



Civil Works 2010 Enacted Fact Sheets for the U.S. Army Corps of Engineers



February 2010



®

US Army Corps of Engineers

Department of the Army
Office, Assistant Secretary
of the Army
(Civil Works)



Civil Works

FY 2010

Enacted

Fact Sheets

GREAT LAKES AND OHIO RIVER DIVISION

**GREAT LAKES AND OHIO RIVER DIVISION
ENACTED FACT SHEETS
TABLE OF CONTENTS**

ENACTED PROJECTS.....LRD-6

FLOOD AND COASTAL STORM DAMAGE REDUCTIONLRD-7

INVESTIGATIONSLRD-8

CHE RRY RIVER BASIN, WV LRD-9

HARRIS RIVERFRONT, HUNTINGTON, WV LRD-10

METROPOLITAN LOUISVILLE, MILL CREEK BASIN, KY LRD-11

OHIO RIVER BASIN COMPREHENSIVELRD-12

OHIO RIVER SHORELINE, PADUCAH, KY LRD-14

UPPER GUYANDOTTE RIVER BASIN, WV LRD-15

WESTERN LAKE ERIE BASIN, OH, MI & IN LRD-16

CONSTRUCTION.....LRD-17

GREENBRIER RIVER BASIN, WV LRD-18

HAMILTON DAM, FLINT RIVER, FLINT, MI LRD-19

HOLES CREEK, WEST CARROLLTON, OH LRD-20

INDIANAPOLIS, WHITE RIVER (NORTH),IN LRD-21

ISLAND CREEK IN AND AROUND LOGAN, WV LRD-22

LEVISA & TUG FORKS LRD-23

LOWER MUD RIVER, MILTON, WV LRD-25

MT ZION MILL POND DAM, FULTON COUNTY, IN LRD-26

OHIO RIVER GREENWAY PUBLIC ACCESS, IN LRD-27

PINHOOK CREEK, HUNTSVILLE, AL LRD-28

WEST VIRGINIA & PENNSYLVANIA FLOOD CONTROL, LRD-29

CONTINUING AUTHORITIES PROGRAM.....LRD-30

BLANCHARD RIVER, FINDLAY, OH LRD-31

BLANCHARD RIVER, OTTAWA, OH LRD-32

CHAGRIN RIVER, EASTLAKE OH LRD-33

CITY OF INDEPENDENCE, OH LRD-34

CUYAHOGA RIVER, BATH ROAD, AKRON, OH LRD-35

CUYAHOGA RIVER, BRECKSVILLE, OH LRD-36

LIMESTONE CREEK, FAYETTEVILLE, NY LRD-37

MAGAZINE BRANCH, ELK RIVER, CHARLESTON, WV LRD-38

METRO CENTER LEVEE, NASHVILLE, TN LRD-39

OLD FORT NIAGARA, YOUNGSTOWN, NY LRD-40

SALAMANCA, NY LRD-41

SWAN CREEK, SOUTH TOLEDO, OH LRD-42

SWANNANOA RIVER WATERSHED, NC LRD-43

THATCHER BROOK, GOWANDA, NY LRD-44

VALLEY VIEW, OH LRD-45

NAVIGATION.....	LRD-46
INVESTIGATIONS	LRD-47
GREENUP LOCKS AND DAM, KY & OH	LRD-48
CONSTRUCTION.....	LRD-49
CHICKAMAUGA LOCK, TN	LRD-50
NEW YORK STATE CANAL SYSTEM, NY	LRD-51
SAULT STE MARIE (LOCK REPLACEMENT), MI	LRD-52
CONTINUING AUTHORITIES PROGRAM.....	LRD-53
COOLEY CANAL HARBOR, OH	LRD-54
GRAND MARAIS, MN	LRD-55
GRAND PORTAGE HARBOR, MN	LRD-56
TWO HARBORS, MN	LRD-57
ENVIRONMENT.....	LRD-58
INVESTIGATIONS	LRD-59
CLINCH RIVER WATERSHED, VA	LRD-60
GRAND RIVER, LANSING, MI	LRD-61
GREAT LAKES REMEDIAL ACTION PROGRAM, MI ET AL	LRD-62
HOCKING RIVER BASIN ENV RES, MONDAY CR, OH	LRD-63
LAKE COUNTY WETLANDS RESTORATION, IL (PAS)	LRD-64
LITTLE KANAWHA RIVER, WELLS LOCK AND DAM, WV	LRD-65
NEW RIVER, CLAYTOR LAKE, VA	LRD-66
NIAGARA RIVER WATERSHED, NY	LRD-67
ONONDAGA LAKE, NY (PARTNERSHIP)	LRD-68
SOUTH FORK, SOUTH BRANCH, CHICAGO RIVER	LRD-69
CONSTRUCTION.....	LRD-70
BLACK LAKE, OGDENSBURG, NY	LRD-71
CHAUTAUQUA LAKE, NY.....	LRD-72
GREAT LAKES FISHERY AND ECOSYSTEM RESTORATION	LRD-73
GUNTERSVILLE LAKE, AL	LRD-75
LAKE MICHIGAN WATERFRONT, IN	LRD-76
SODUS BAY, NY	LRD-77
ST CLAIR RIVER, MI (MANAGEMENT PLAN)	LRD-78
CONTINUING AUTHORITIES PROGRAM.....	LRD-79
ASHTABULA RSM, OH	LRD-80
CANONSBURG LAKE, PA	LRD-81
CONNEAUT HARBOR EAST STATE PARK, OH	LRD-82
EAST HARBOR STATE PARK, OH	LRD-83
GREEN RIVER DAM, MOD, KY	LRD-84
GULL POINT, PRESQUE ISLE, PA	LRD-85
HOFFMAN DAM, IL	LRD-86

INDIAN RIDGE MARSH, CHICAGO, IL	LRD-87
LAKE POYGAN, WI	LRD-88
PRESQUE ISLE RSM, PA	LRD-89
SHELDON'S MARSH, LAKE ERIE, OH	LRD-90
SMOKES CREEK, ERIE COUNTY, NY	LRD-91
UPPER ROUGE, MICHIGAN AVE TO ROTUNDA DR, MI	LRD-92
WYNN ROAD, OREGON, OH	LRD-93
ENVIRONMENTAL INFRASTRUCTURE.....	LRD-94
BEAVER CREEK RESERVOIR, BEAVER AND SALEM TWPS, PA ..	LRD-95
CALUMET REGION, IN	LRD-96
CENTRAL WEST VIRGINIA (SECT 571), WV	LRD-97
COOK COUNTY, IL	LRD-08
CUMBERLAND COUNTY WATER SUPPLY, TN	LRD-99
GENESEE CO, MI	LRD-100
INDIANA SHORELINE EROSION, IN	LRD-101
NEGAUNEE, MI	LRD-102
NORTHEASTERN MINNESOTA, MN (SECT 569)	SEE MVD
NORTHERN WEST VIRGINIA ENV INFRASTRUCTURE, WV	LRD-103
NORTHERN WISCONSIN, WI (SECT 154)	SEE MVD
ENVIRONMENTAL INFRASTRUCTURE, OH	LRD-104
SOUTH CENTRAL PENNSYLVANIA, PA	LRD-106
SOUTHERN & EASTERN KENTUCKY, KY (SECT 531)	LRD-107
SOUTHERN WEST VIRGINIA ENV. INFRASTRUCTURE, WV	LRD-108
THREE RIVERS WET WEATHER DEMO, PA	LRD-109
RECREATION	LRD-110
INVESTIGATIONS	LRD-111
NORTHERN KENTUCKY RIVERFRONT COMMONS, KY	LRD-112
CONSTRUCTION.....	LRD-113
OHIO RIVERFRONT, CINCINNATI, OH	LRD-114
OPERATION AND MAINTENANCE	LRD-115
ARCADIA HARBOR, MI	LRD-116
ASHLAND HARBOR, WI	LRD-117
CORNUCOPIA HARBOR, WI	LRD-118
J PERCY PRIEST GREENWAY, TN	LRD-119
KEWAUNEE HARBOR, WI.....	LRD-120
MENOMINEE HARBOR, MI, WI	LRD-121
NEW BUFFALO HARBOR, MI	LRD-122
ODGENSBURG HARBOR, NY	LRD-123
OLCOTT HARBOR, NY	LRD-124
PARKERSBURG / VIENNA, WV	LRD-125

PENTWATER HARBOR, MI	LRD-126
PRESQUE ISLE HARBOR, MI	LRD-127
TWO HARBORS HARBOR, MN	LRD-128

ENACTED PROJECTS

FLOOD AND COASTAL STORM DAMAGE REDUCTION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Cherry River Basin, WV

AUTHORIZATION: Resolution of the Committee on Transportation and Infrastructure of the U.S. House of Representatives, Docket 2730, adopted July 21, 2004.

LOCATION: The Cherry River Basin (167 square miles) is located in Nicholas, Webster, Greenbrier and Pocahontas counties in West Virginia. The Cherry River includes a total of 43 stream miles with the North and South Fork coming together at the Town of Richwood. The Cherry River is a major tributary of the Gauley River, entering the Gauley River just upstream of the Summersville Lake project. The study area includes the incorporated communities of Richwood and Fenwick, West Virginia. A significant portion of the watershed, mostly along the North Fork of the Cherry River, lies within the Monongahela National Forest.

DESCRIPTION: The study will address and document water resource issues in the basin including flood damage reduction, ecosystem restoration, water supply, recreation, and other water resource issues. Feasible projects will be recommended for further study in a collaborative manner working with stakeholders, state and local authorities, and Federal agencies.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Study</u>	1/
Estimated Federal Cost	\$ 1,000,000	
Estimated Non-Federal Cost	\$ 1,000,000	
Cash	\$ 1,000,000	
Other	\$ 0	
Total Estimated Cost	\$ 2,000,000	
Allocation thru FY 2008	\$ 0	
Allocation for FY 2009	\$ 84,000	
Recovery Act Allocations as of 31 DEC 09	\$ 0	
Allocation for FY 2010	\$ 538,000	
Balance to Complete after FY 2010	\$ 378,000	
Benefit to Cost Ratio @ 7%		NA

1/ Reflects feasibility funds only.

FY 2010 ACTIVITIES: Awaiting non-federal sponsor to obtain funding to begin feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for feasibility.

OTHER INFORMATION: The feasibility cost sharing agreement was signed with Nicholas County in August 2009.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Rahall (WV-03)

DIVISION: Great Lakes and Ohio River

DISTRICT: Huntington

Cherry River Basin, WV

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Recreation

PROJECT/STUDY NAME: Harris Riverfront Park, WV

AUTHORIZATION: Resolution of the Committee on Public Works and Transportation of the United States House of Representatives adopted September 8, 1988.

LOCATION: Harris Riverfront Park is located in the city of Huntington, West Virginia.

DESCRIPTION: The Reconnaissance study will evaluate recreational opportunities associated with the riverfront and its unique and historic relationship to the river and surrounding community. Further, it will identify linkages to other regional recreational amenities and how those linkages contribute to the region's quality of life, economic success, and continued revitalization.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 90,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 90,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used to initiate and complete the Reconnaissance Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for reconnaissance.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Rahall (WV-03)

Division: Great Lakes and Ohio River

District: Huntington

Harris Riverfront Park, WV

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Metropolitan Louisville, Mill Creek Basin, Kentucky

AUTHORIZATION: Resolution adopted on May 5, 1987 by the Committee on Environment and Public Works of the United States Senate

LOCATION: The study area is located within the Mill Creek watershed in southwest Jefferson County, Kentucky, including the communities of Shively and Pleasure Ridge Park.

DESCRIPTION: Approximately 3,300 homes and businesses in the study area are subject to flooding from Mill Creek and its tributaries. The feasibility study will provide detailed evaluation of the flood risks, and will analyze alternatives to reduce damages.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 1,200,000
Estimated Non-Federal Cost	\$ 1,200,000
Cash	\$ 900,000
Other	\$ 300,000
Total Estimated Cost	\$ 2,400,000
Allocation thru 2008	\$ 589,700
Allocation for FY 2009	\$ 0
Recovery Act Allocation as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 103,000
Balance to Complete after FY 2010	\$ 507,300
Benefit to Cost Ratio Applicable Rate	TBD

FY 2010 ACTIVITIES: Complete plan formulation and initiate final report preparation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for feasibility

OTHER INFORMATION: The Feasibility Cost Sharing Agreement was executed in August 2005. The Louisville and Jefferson County Metropolitan Sewer District is the local sponsor.

CONGRESSIONAL INTEREST: McConnell (KY), Bunning (KY), Yarmuth (KY-3)

Division: Great Lakes and Ohio River

District: Louisville

Metropolitan Louisville, Mill Creek
Basin, KY

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Ohio River Basin Comprehensive, WV, OH

AUTHORIZATION: Resolution of the Committee on Public Works of the U.S. Senate, adopted May 16, 1955

LOCATION: The Ohio River Basin contains approximately 204,000 square miles in 15 states and is home to approximately 27 million people. The Ohio River is 981 miles long extending from Pittsburgh, PA to Cairo, IL at its mouth on the Mississippi River.

DESCRIPTION: The basic purpose of the study is to meet the requirements of a standard 905(b) expedited reconnaissance study and to address a number of objectives identified in the Project Management Plan. In this pursuit, four Corps Districts within the Great Lakes and Ohio River Division (Pittsburgh, Huntington, Louisville, and Nashville) combined staff resources into a Project Delivery Team (PDT) with Huntington as the designated lead District. Following the standard recon report format, geospatial analyses of the basin's human and natural resources were undertaken through use of geographic information system (GIS) technology relying heavily on existing database information from a number of reliable Federal, state, Non-governmental organizations and academic sources. Through a broad-based communications strategy the PDT solicited water resource issues from key basin stakeholders, the general public and Corps staff. The comments emphasized problems, needs and opportunities associated with the basin environment, threatened aquatic ecosystems, recurring flood damages, water quality, water supply, land use development, climate change, and sustainability of aging infrastructure. A number of alternatives were formulated to address the issue categories at basinwide, sub-basin, watershed and project or local levels so that collaborative actions between several levels of government could be realized in solving water resource problems. A determination of Federal interest was made for several alternatives formulated and evaluated in the report. Report recommendations reflect the array of issues raised by respondents and recognize the issues of sustainability and potential climate change facing the basin and its infrastructure. The reconnaissance phase will allow the Corps to move forward in a leadership role in the management and development of the basin's water resources through the recommendations to support a strong coalition of basin interests with strategic planning processes, sound engineering practices, geospatial technology and collaborative partnerships into the future.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010</u>	<u>FY 2010</u>
<u>Study</u>	<u>Recon Study</u>	<u>Feasibility</u>
Estimated Federal Cost	\$ 1,899,000	\$ 12,000,000
Estimated Non-Federal Cost	\$ 0	\$ 12,000,000
Cash	\$ 0	\$ TBD
Other	\$ 0	\$ TBD
Total Estimated Cost	\$ 1,899,000	\$ 24,000,000

Allocation thru FY 2008	\$	394,000		\$	0
Allocation for FY 2009	\$	680,000		\$	0
Allocation for FY 2010	\$	825,000	1/	\$	968,000 2/
Balance to Complete after FY 2010	\$	0		\$	11,032,000
Benefit to Cost Ratio @ 7%			N/A		N/A

1/ \$825,000 would be reallocated for additional reconnaissance work executed at 100% Federal cost

2/ \$968,000 would be cost-shared 50% Federal/50% non-Federal

FY 2010 ACTIVITIES: Funds appropriated would be used for the continuation of the Reconnaissance Phase by: (1) obtaining LRD certification of the Reconnaissance Report; (2) preparing a Basin wide Programmatic Management Plan (BPMP); and, (3) identifying a cost sharing sponsor, developing a PMP, and negotiating a FCSA based upon the Recon Report's recommendations for a Basin wide Water Management Plan and a Basin wide Reinvestment Plan. Funds may also be used to initiate watershed assessments under authority of Section 729 of WRDA 1986 to identify a cost sharing sponsor, develop a Project Management Plan and negotiate a Feasibility Cost Sharing Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: In FY 2010 the reconnaissance phase will be completed. Currently the estimated completion of the feasibility phase is FY 2013 – subject to availability of funds.

OTHER INFORMATION: This study will be a multi-district / state reconnaissance planning effort.

CONGRESSIONAL INTEREST: Congressional members from 15 states to include: Illinois, Indiana, Ohio, Pennsylvania, New York, West Virginia, Virginia, North Carolina, Kentucky, South Carolina, Tennessee, Alabama, Mississippi, Georgia, and Maryland.

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Ohio River Shoreline, Paducah, KY

AUTHORIZATION: Section 5077 of WRDA 2007 (Public Law 110-114)

LOCATION: McCracken County, Kentucky, on the left bank of the Ohio River, 934.4 miles below Pittsburgh, PA

DESCRIPTION: The City of Paducah risks FEMA decertification of its local flood protection project if it does not soon repair corroded metal pipes that drain normal stormwater runoff through the earthen levee and into the river. Failure of those drainage pipes could cause interior flooding or breach the earthen levee, and thus threaten the local population and damage properties. Feasibility study will identify alternatives to address deterioration of the floodwall and to address interior flooding behind the floodwall.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 450,000
Estimated Non-Federal Cost	\$ 450,000
Cash	\$ 280,000
Other	\$ 170,000
Total Estimated Cost	\$ 900,000
Allocation thru 2008	\$ 263,000
Allocation for FY 2009	\$ 143,000
Recovery Act Allocation as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 39,000
Balance to Complete after FY 2010	\$ 5,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Continuation of a Feasibility Report. This report will define the scope of work for replacement or rehabilitation of pumps, electrical equipment, drainage pipes and other appurtenant features of the project. Preconstruction engineering and design and construction activities will begin after approval of the report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Feasibility

OTHER INFORMATION: The City requested in-kind credits for construction and construction management costs of the pipe repairs, if they are included in the recommended plan of the Feasibility Study.

CONGRESSIONAL INTEREST: McConnell (KY), Bunning (KY), Whitfield (KY-1)

Division: Great Lakes and Ohio River

District: Louisville

Ohio River Shoreline,
Paducah, KY

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Upper Guyandotte River Basin, WV

AUTHORIZATION: Resolution by the Committee on Transportation and Infrastructure, U.S. House of Representatives, Docket 2726 adopted February 25, 2004.

LOCATION: The project study area is located in the upper Guyandotte River Basin primarily in Wyoming County, WV and affects the cities of Oceana, Pineville, and Mullens, WV, upstream of R.D. Bailey Lake.

DESCRIPTION: The watershed Reconnaissance Study will determine the preliminary economic, physical, and environmental feasibility of providing flood damage reduction and ecosystem restoration measures for identified cities and scattered rural development along the upper Guyandotte River and its tributaries. The study will include collaboration with federal, state, and local agencies to identify associated systems and potential projects.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Recon Study</u>	<u>FY 2010 Feasibility Study</u>
Estimated Federal Cost	\$ 359,000	\$ 300,000
Estimated Non-Federal Cost	\$ 0	\$ 300,000
Cash	\$ 0	\$ 300,000
Other	\$ 0	\$ 0
Total Estimated Cost	\$ 359,000	\$ 600,000
Allocation thru FY 2008	\$ 148,000	\$ 0
Allocation for FY 2009	\$ 191,000	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0	\$ 0
Allocation for FY 2010	\$ 20,000	\$ 249,000
Balance to Complete after FY 2010	\$ 0	\$ 51,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Funds will be used to complete Reconnaissance Report, obtain report approval from higher Corps authority and initiate feasibility upon approval of that report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for reconnaissance phase and FY 2012 for feasibility.

OTHER INFORMATION: Project sponsor is WV Division of Transportation.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Rahall (WV-03)

Division: Great Lakes and Ohio River

District: Huntington

Upper Guyandotte River
Basin, WV

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT STUDY NAME: Western Lake Erie Basin (WLEB)

AUTHORIZATION: Section 441, WRDA 1999 (PL 106-53)

LOCATION: The WLEB includes the watersheds of the Maumee, Portage, and Ottawa Rivers, in northwest OH, eastern IN, and southeast MI that are major tributaries to the WLEB. Most of the WLEB drains into the Maumee Area of Concern (AOC).

DESCRIPTION: The non-Federal sponsors are from Ohio and include the City of Toledo, Hancock and Putnam counties. The comprehensive study will provide a framework for sustainable development in the watershed by examining comprehensive ecosystem restoration including habitat and wetland restoration, prevention of future environmental losses, elimination of bacterial loadings and pollutants of concern, improvements to navigation channels, and analysis of flood control operations to ensure that they are meeting evolving conditions.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 6,000,000
Estimated Non-Federal Cost	\$ 6,000,000
Cash	\$ 0
Other	\$ 6,000,000
Total Estimated Project Cost	\$12,000,000
Allocation thru FY 2008	\$ 1,991,000
Allocation thru FY 2009	\$ 2,491,000
Recover Act Allocations as of 31 DEC 09	\$ 262,000
Allocation for FY 2010	\$ 134,000
Balance to Complete after FY 2010	\$ 3,375,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used to continue the Blanchard River feasibility study for the portion addressing flood risk management, the first major project being pursued under the Western Lake Erie Basin watershed plan. The focus of the study will be flood risk management.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Blanchard River Feasibility Phase could be completed in FY 2011.

OTHER INFORMATION: The WLEB study includes the Maumee River Area of Concern (AOC), which is one of 46 severely degraded geographic areas within the Great Lakes Basin as defined by the U.S.-Canada Great Lakes Water Quality Agreement.

CONGRESSIONAL INTEREST: Kaptur (OH-9), Latta (OH-5), Jordan (OH-4), Boehner (OH-8), Souder (IN-3), and Dingell (MI-15); Voinovich (OH) and Brown (OH)

Division: Great Lakes and Ohio River

District: Buffalo

Western Lake Erie Basin

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Greenbrier River Basin (Marlinton), WV

AUTHORIZATION: Section 579, Water Resources Development Act (WRDA) 1996 (PL 104-303), as amended by Section 360, WRDA 1999 (PL 106-53); Section 3168, WRDA 2007 (PL 110-114).

LOCATION: The Greenbrier River Basin (Marlinton) is located in eastern WV. The river flows 167 miles through the counties of Pocahontas, Greenbrier, Monroe, and Summers.

DESCRIPTION: The plan for the Marlinton project is to construct a resident engineer office (Phase I), construct 16,000 feet of levee/floodwall on both sides of the river, protecting the downtown Riverside (Phase II) and Marlinton (Phase III) areas, as well as associated pump stations to handle interior drainage.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$ 99,000,000
Estimated Non-Federal Cost	\$ 59,000,000
Cash	\$ 59,000,000
Other	\$ 0
Total Estimated Cost	\$ 158,000,000
Allocation thru FY 2008	\$ 12,828,000
Allocation for FY 2009	\$ 1,500,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 1,417,000
Balance to Complete after FY 2010	\$ 83,255,000
Benefit to Cost Ratio @ 7%	.3

FY 2010 ACTIVITIES: Funds will used to sign a Record of Decision and execute the Project Partnership Agreement (PPA) for Phases I & II, initiate Phase I real estate acquisition and construction, administer Phase II real estate activities, and complete the Phase III plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for Planning, Engineering & Design, subject to Detailed Project Report (DPR) review.

OTHER INFORMATION: WRDA 2007 increased the authorized Federal amount to \$99,000,000. The Consolidated Appropriations Act of 2008 (PL 110-161) directed the Corps to continue detailed design, including plans and specifications, execute a PPA and initiate construction for Ph I & II. Review of the DPR by USACE was completed in March 2009. The District is currently responding to review comments.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Rahall (WV-03)

Division: Great Lakes and Ohio River

District: Huntington

Greenbrier River
Basin, Marlinton, WV

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood & Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Hamilton Dam, Flint River, Flint, Michigan

AUTHORIZATION: Section 5003(a)(4), Water Resources Development Act of 2007 (PL 110-114)

LOCATION: The Hamilton Dam is located in the Flint River on the University of Michigan Flint campus.

DESCRIPTION: The non-Federal dam is in poor condition due to severe deterioration of its concrete, and several of its steel gates are inoperable. The dam is also acting as a sediment trap that is providing sedimentation relief to the Federal Flood Control project at Flint, Michigan. Failure of the dam would cause damage downstream to the river, the city and the University. The Corps is authorized to provide assistance to enhance dam safety at Hamilton Dam.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	
Estimated Federal Cost	\$ 6,342,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 6,342,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 100,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 242,000
Balance to Complete after FY 2010	\$ 6,000,000
Benefit to Cost Ratio @ 7	TBD

FY 2010 ACTIVITIES: Based on WRDA implementation guidance and subsequent clarifying guidance, funds will be used to prepare a project Fact Sheet, a Probability of Failure Mode Analysis, and Interim Risk Reduction Measures.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2012 for Construction phase.

OTHER INFORMATION: The non-federal sponsor is pursuing the design at their own cost.

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Kildee (MI-5)

Division: Great Lakes and Ohio River District: Detroit

Hamilton Dam, Flint River,
Flint, MI

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Holes Creek, West Carrollton, Ohio

AUTHORIZATION: Section 401(a) of WRDA 1986 (PL 99-662) and Section 584 of WRDA 1999 (PL 106-53)

LOCATION: The project is located in West Carrollton, Ohio, just south of Dayton

DESCRIPTION: Project consists of channel widening, replacement of a railroad bridge, a floodwall and relocations.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 13,326,000
Estimated Non-Federal Cost	\$ 1,306,000
Cash	\$ 419,000
Other	\$ 887,000
Total Estimated Cost	\$ 14,632,000
Allocation thru FY 2008	\$ 10,426,000
Allocation for FY 2009	\$ 1,244,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 1,005,000
Balance to Complete after FY 2010	\$ 651,000
Benefit to Cost Ratio @ 7%	0.9

FY 2010 ACTIVITIES: Carryover funds from FY2009 are being used to revise the plans and specifications for the final contract and to complete the real estate acquisition for the remaining work. The only remaining property to acquire is going through the condemnation process.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for design of remaining work.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Voinovich (OH), Brown (OH), Turner (OH-3)

Division: Great Lakes and Ohio River

District: Louisville

Holes Creek, West Carrollton, OH

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Indianapolis, White River (North), Indiana

AUTHORIZATION: Flood Control Act of 1936 as amended by the Flood Control Act of 1938, and subject to cost sharing provisions of the Water Resources Development Act of 1986

LOCATION: The project encompasses approximately 3.0 miles of the White River in the City of Indianapolis, IN.

DESCRIPTION: Construction of flood damage reduction features along a 3-mile reach of the White River.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 29,141,000
Estimated Non-Federal Cost	\$ 9,713,000
Cash	\$ 5,927,000
Other	\$ 3,786,000
Total Estimated Cost	\$ 38,854,000
Allocation thru 2008	\$ 17,241,000
Allocation for FY 2009	\$ 2,536,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 3,875,000
Balance to Complete after FY 2010	\$ 5,489,000
Benefit to Cost Ratio @ 7%	0.8

FY 2010 ACTIVITIES: Complete remaining design activities and award Environmental Mitigation contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Pending additional funds, could award final contract in FY 11 to construct South Warleigh section of the earthen levee and floodwall. This action would allow project completion to occur in 2012.

OTHER INFORMATION: Based upon upcoming changes in design standards prompted by "lessons learned" from the New Orleans floodwall failure, the Corps of Engineers may need additional funds to modify previously constructed floodwall sections.

CONGRESSIONAL INTEREST: Lugar (IN), Bayh (IN), Carson (IN-7)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Island Creek, Logan, WV, Local Protection Project

AUTHORIZATION: Section 401 of the Water Resources Development Act of 1986 (P.L. 99-662)

LOCATION: Logan, WV at the confluence of the Guyandotte River and Island Creek.

DESCRIPTION: The recommended project includes two components: channel modification including widening of the Island Creek channel to an 80-foot bottom width for a distance of 3,600 feet upstream of its confluence with the Guyandotte River, construction of post and panel retaining walls, mechanically stabilized earth wall, stone slope protection, concrete revetment, and removal of an existing sandbar. The second component is implementation of a Flood Warning System (FWS).

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 25,930,000
Estimated Non-Federal Cost	\$ 10,070,000
Cash	\$ 1,898,000
Other	\$ 8,172,000
Total Estimated Cost	\$ 36,000,000
Allocation thru FY 2008	\$ 3,935,000
Allocation for FY 2009	\$ 200,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 21,750,000
Balance to Complete after FY 2010	\$ 45,000
Benefit to Cost Ratio @ 7%	1.6

FY 2010 ACTIVITIES: Funds will be used to complete channel modification design, fully fund channel construction, and initiate and complete FWS implementation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013 for construction, subject to efficient funding.

OTHER INFORMATION: The PPA for the channel modification and a Memorandum of Agreement for the Corps to acquire Lands, Easements, Rights-of-Way, Relocations, and Disposals on behalf of the sponsor were executed with the Logan County Commission on 25 January 2008. Plans and Specifications for the channel modification will be complete in FY 2010 and construction awarded in early FY 2011. The district has completed an Integral Documentation Report (IDR) which documents proposed in-kind contributions for crediting purposes. The IDR was deemed necessary before the Project Partnership Agreement for the FWS could be finalized and executed.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Rahall (WV-03)

Division: Great Lakes and Ohio River District: Huntington Island Creek at Logan, WV

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Levisa and Tug Forks of the Big Sandy and Upper Cumberland Rivers, WV, VA, and KY

AUTHORIZATION: Section 202 of the Energy and Water Development Appropriation Act of 1981 (PL 96-367), as amended.

LOCATION: The Levisa and Tug Forks of the Big Sandy River and the Upper Cumberland River are located in southwestern WV, southeastern KY, and western VA.

DESCRIPTION: The project includes levees, floodwalls, pump stations, floodproofing, and evacuation of structures located in the flood hazard areas, and development of relocation sites for the affected areas.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 2,338,109,000
Estimated Non-Federal Cost	\$ 133,365,000
Cash	\$ 100,965,000
Other	\$ 32,400,000
Total Estimated Cost	\$ 2,471,474,000
Allocation thru FY 2008	\$ 1,000,864,000
Allocation for FY 2009	\$ 25,500,000
Recovery Act Allocations as of 31 Dec 2009	\$ 0
Allocation for FY 2010	\$ 16,250,000
Balance to Complete after FY 2010	\$ 1,295,495,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds of \$16,250,000 would be used for each element of the Section 202 program as noted:

Kentucky – (\$9,500,000)

Town of Martin: \$3,350,000 will be used to initiate construction of the Town Hall and Police Station; and expedite the acquisition of those properties that were damaged by the floodwaters in the May 2009 flood event that fall within Phases 3 and 4 of the mandatory acquisition program.

Pike County (Tug Fork): \$1,000,000 will be used to continue voluntary floodproofing and acquisition program.

Martin County: \$935,000 will be used to continue voluntary floodproofing and acquisition program.

Pike County (Levisa Fork): \$100,000 will be used to complete activities associated with the revision of the project cost estimate and finalize the Detailed Project Report (DPR).

Floyd County: \$100,000 will be used to complete activities associated with the revision of the project cost estimate and finalize the DPR.

Johnson County: \$15,000 will be used continue DPR.

Middlesborough: \$50,000 will be used to complete the flood warning and emergency evacuation plan (FWEEP)

Knox County: \$115,000 will be used to continue the DPR

Clover Fork: \$800,000 will be used to continue nonstructural implementation.

City of Cumberland Structural (Bridge St. Bridge): \$1,500,000 will be used to continue the bridge replacement construction.

City of Cumberland Nonstructural: \$200,000 will be used to initiate nonstructural implementation.

Harlan County: \$1,335,000 will be used to continue nonstructural implementation.

Virginia - \$4,000,000

Grundy: \$2,870,000 will be used to complete project implementation.

Buchanan County: \$210,000 will be used to complete the FWEEP and initiate the implementation of the plan.

Dickenson County: \$920,000 will be used to complete the FWEEP and initiate implementation of the plan; remaining funds will be directed to the Design Documentation Report for the Dickenson County schools.

West Virginia - \$2,750,000

McDowell County: \$2,000,000 will be used to continue the floodproofing and acquisition program.

McDowell County Supplemental DPR: \$750,000 will be used to continue the supplemental DPR.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Phases vary per project and are ongoing, subject to efficient funding.

OTHER INFORMATION: Section 202 of the Fiscal Year 1981 Energy and Water Development Appropriation Act, stated that benefits of the 202 project exceed costs.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Rahall (WV-03); McConnell (KY), Bunning (KY), Rogers (KY-05); Warner (VA), Webb (VA), Boucher (VA-09)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Lower Mud River, Milton, WV

AUTHORIZATION: Section 580 WRDA 1996 (PL 104-30); Section 340 WRDA 2000 (PL 106-54); Section 3170 WRDA 2007 (PL 110-114)

LOCATION: City of Milton, Cabell County, WV, on the Mud River

DESCRIPTION: The recommended plan is a levee, approximately 8,300 feet long, which would provide protection from a 250-year flood event.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 42,825,000
Estimated Non-Federal Cost	\$ 14,275,000
Cash	\$ 14,275,000
Other	\$ 0
Total Estimated Cost	\$ 57,100,000
Allocation thru FY 2008	\$ 7,006,000
Allocation for FY 2009	\$ 1,050,000
Recovery Act Allocations as of 31 Dec 2009	\$ 0
Allocation for FY 2010	\$ 1,384,000
Balance to Complete after FY 2010	\$ 33,385,000
Benefit to Cost Ratio @ 7%	.7

*Lower Mud is awaiting policy review and implementation guidance for WRDA 2007.

FY 2010 ACTIVITIES: Funds will be used to execute a Project Partnership Agreement (PPA), complete detailed design for levee and channel relocation, and allow for coordination of Land, Easement, Right-of-Way, Relocation, and Disposal activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for PED, subject to receipt of WRDA implementation guidance.

OTHER INFORMATION: WRDA 2007 implementation guidance is under development.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Rahall (WV-03),

DIVISION: Great Lakes and Ohio River

DISTRICT: Huntington

Lower Mud River, Milton, WV

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Mount Zion Mill Pond Dam, Indiana

AUTHORIZATION: Section 5003 of Water Resources Development Act 2007
(P.L. 110-114)

LOCATION: Tippecanoe River in Rochester, Fulton County, Indiana.

DESCRIPTION: The northern end of the existing non-Federal earthen dam has deteriorated to the point where the leakage is threatening a county bridge abutment that is integral with the dam. The county wants Federal assistance in repairing the dam in conjunction with Indiana Department of Transportation and the County repairing the bridge.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	TBD
Estimated Non-Federal Cost	TBD
Cash	TBD
Other	TBD
Total Estimated Cost TBD	
Allocation thru FY 2008	\$ 234,000
Allocation for FY 2009	\$ 120,000
Recovery Act Allocations as of 31 DEC 09	0
Allocation for FY 2010	\$ 374,000
Balance to Complete after FY 2010	TBD
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: A Dam Safety Modification Report (DSMR) will be submitted in February 2010 for LRD/HQ review. Any additional work is dependent on findings of the DSMR.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Unknown at this time.

OTHER INFORMATION: \$12,000,000 in appropriation authority was provided to carry out work in 15 named project locations, including Mt. Zion Mill Pond.

CONGRESSIONAL INTEREST: Lugar (IN), Bayh (IN), Donnelly (IN-2)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Ohio River Greenway Public Access, Indiana

AUTHORIZATION: Section 559 of the Water Resources Development Act 1996
(P.L. 104-303)

LOCATION: The Ohio River Greenway Corridor is seven miles in length, is located across from Louisville, Kentucky, and adjoins the McAlpine Locks and Dam project and the Falls of the Ohio National Wildlife Conservation Area in the Indiana communities of Jeffersonville, Clarksville, and New Albany.

DESCRIPTION: The Greenway project is designed to provide access to the Ohio River and its environmental and recreation amenities. Access would be provided by a parkway, pedestrian and bicycle pathways, interpretive areas, passive recreation areas and trails, and it would integrate the existing and planned riverside development including the Falls of the Ohio State Park and Interpretive Center/Museum, the National Wildlife Conservation Area, and other federal and local river related facilities.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 21,050,000
Estimated Non-Federal Cost	\$ 21,050,000
Cash \$	15,369,000
Other	\$ 5,681,000
Total Estimated Cost	\$ 42,100,000
Allocation thru 2008	\$ 7,681,000
Allocation for FY 2009	\$ 957,000
Recovery Act Allocations as of 31 DEC 09	\$ 800,000
Allocation for FY 2010	\$ 969,000
Balance to Complete after FY 2010	\$ 10,407,000
Benefit to Cost Ratio Applicable Rate (6.375%)	1.9

FY 2010 ACTIVITIES: Continue with the preparation of plans and specifications for another segment of the project and award a construction contract. Construction of a segment of the project in New Albany was completed in 2009.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Construction phase of a Jeffersonville segment.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Lugar (IN), Bayh (IN), Hill (IN-9)

Division: Great Lakes and Ohio River

District: Louisville

Ohio River Greenway
Public Access, IN

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Pinhook Creek, AL

AUTHORIZATION: Sec. 5029, Water Resources Development Act (WRDA) 2007 (P.L. 110-114); Sec. 903 (c) of WRDA 1986 (P.L. 99-662)

LOCATION: Huntsville, AL

DESCRIPTION: Flooding in north-central Huntsville has been a persistent problem in the highly developed downtown area. The Corps has worked with the city to develop several plans to address the problems.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PED</u> STAGE I*	FY 2010 <u>Construction</u> STAGE II**
Estimated Federal Cost	\$ 250,000	\$ 7,386,000
Estimated Non-Federal Cost	TBD	TBD
Cash	TBD	TBD
Other	TBD	TBD
Total Estimated Cost	TBD	TBD
Allocation thru FY 2008	\$ 250,000	\$ 499,000
Allocation for FY 2009	\$ 0	\$ 335,000
Recovery Act Allocations as of 31 DEC 09	\$ 0	\$ 0
Allocation for FY 2010	\$ 0	\$ 100,000
Balance to Complete after FY 2010	\$ 0	\$ 6,452,000
Benefit to Cost Ratio @ 7%	TBD	TBD

*Cost shared 75% federal and 25% nonfederal

**Flood Damage Reduction components cost shared 65% Federal/ 35% non-Federal, Recreation components cost shared 50% Federal/50% non-Federal

FY 2010 ACTIVITIES: Preparation of the draft Limited Reevaluation Report (LRR) of final Locally Preferred Plan. Complete Agency Technical Review of LRR.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for Planning, Engineering, and Design.

OTHER INFORMATION: Detailed Project Report (DPR), Nov 1999, was completed under CAP Section 205 authority and approved by CELRD.

CONGRESSIONAL INTEREST: Griffith (AL-05), Shelby (AL), Sessions (AL)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: West Virginia & Pennsylvania Flood Control

AUTHORIZATION: Section 581, WRDA 1996 as amended by Section 363, Water Resources Development Act (WRDA) of 1999, as amended by Section 5154, WRDA 2007.

LOCATION: Cheat and Tygart River Basins, WV and Lower Allegheny, Lower Monongahela, West Branch Susquehanna and Juniata River Basins, PA

DESCRIPTION: Section 581, as modified by Section 363, authorizes the Corps to design and construct flood damage reduction measures in the Cheat and Tygart River Basins, WV and to implement structural and nonstructural flood control, stream bank protection, storm water management, and channel clearing and modification measures in the Lower Allegheny, Lower Monongahela, West Branch Susquehanna and Juniata River Basins, PA, at a level of protection sufficient to prevent future losses to communities in the basins from flooding such as occurred in January 1996, but not less than a 100 year level of protection. Section 581(a)(1) of WRDA 1996 identified 16 communities in the above river basins as priority communities. Section 5154 of WRDA 2007 adds two communities, Etna, PA and Millvale, PA.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 90,000,000
Estimated Non-Federal Cost	\$ 6,000,000
Cash	TBD
Other	TBD
Total Estimated Cost	\$ 96,000,000
Allocation thru FY 2008	\$ 10,228,000
Allocation for FY 2009	\$ 2,000,000
Recovery Act Allocation as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 1,500,000
Balance to Complete after FY 2010	\$ 76,272,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete initial site assessment for Millvale and Etna, PA. Continue Philippi, WV Design Documentation Report (DDR), currently at 50%. Update Belington, WV Detailed Project Report (DPR) for consistency with current requirements. Complete Parsons, WV Project Management Plan and initiate DPR.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011 DPRs for Etna, PA, Millvale, PA, and Parsons, WV in addition to DDR for Philippi, WV and Belington, WV.

OTHER INFORMATION: WRDA 2007 increased program authorization to \$90 million.

CONGRESSIONAL INTEREST: Casey (PA), Specter (PA), Byrd (WV), Rockefeller (WV), Mollohan (WV-1), Doyle (PA-14), Murtha (PA-12), and Shuster (PA-9)

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Blanchard River, Findlay, OH

AUTHORIZATION: Section 205 of the 1948 Flood Control Act (P.L. 80-858), as amended.

LOCATION: The city of Findlay, Ohio approximately 75 miles southwest of Toledo in northwestern Ohio.

DESCRIPTION: Overbank flooding of the Blanchard River has occurred many times during the past century. The most recent significant floods occurred in January 2008 and August 2007. Significant flood damages occurred to the downtown business district. An ongoing Flood Damage Reduction Study will investigate measures to reduce the damages associated with flood events on the Blanchard River.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	663,000
Estimated Non-Federal Cost	\$	563,000
Cash		TBD
Other		TBD
Total Estimated Cost	\$	1,226,000
Allocation thru FY 2008		\$ 203,000
Allocation for FY 2009		\$ 450,000
Recovery Act Allocations as of 31 DEC 09		\$ 0
Allocation for FY 2010		\$ 10,000
Balance to Complete after FY 2010		\$ 0
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Transition on-going study from this Section 205 Continuing Authorities Program to Investigation Appropriations Account.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Jordan (OH-04), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Blanchard River, Ottawa, OH

AUTHORIZATION: Section 205 of the 1948 Flood Control Act (P.L. 80-858), as amended

LOCATION: Village of Ottawa, Ohio is located approximately 70 miles southwest of City of Toledo in the Blanchard River watershed in northwestern Ohio.

DESCRIPTION: Overbank flooding of the Blanchard River has occurred many times during the past century. The most recent significant floods occurred in January 2008 and August 2007. Significant flood damages occurred to the downtown business district. An ongoing Flood Damage Reduction Study will investigate a measure to reduce the damages associated with flood events on the Blanchard River.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Study</u>
Estimated Federal Cost \$	543,000
Estimated Non-Federal Cost \$	443,000
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	986,000
Allocation thru FY 2008	\$ 233,000
Allocation for FY 2009	\$ 300,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 10,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Transition on-going study from this Section 205 Continuing Authorities Program to Investigation Appropriations Account.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Latta (OH-05), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Chagrin River, Eastlake, OH

AUTHORIZATION: Section 205 of the 1948 Flood Control Act (P.L. 80-858), as amended

LOCATION: This project is located along the shores of Lake Erie, approximately 15 miles northeast of Cleveland, OH.

DESCRIPTION: The project would provide for local protection from flooding by the construction or improvement of flood control works such as levees, channels, and dams.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	500,000
Estimated Non-Federal Cost \$	400,000
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	900,000
Allocation thru FY 2008	\$ 100,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 350,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Sign a Feasibility Cost Sharing Agreement with the non-Federal sponsor, City of Eastlake, Ohio and start the Feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013 for Feasibility

OTHER INFORMATION: In July 2006, six counties, including Cuyahoga County, were declared eligible to receive disaster assistance. Over 100 homes and businesses were impacted by the floodwaters. This area received a National Disaster Declaration status in 2006.

CONGRESSIONAL INTEREST: LaTourette (OH-14), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: City of Independence, OH

AUTHORIZATION: Section 205 of the 1948 Flood Control Act (P.L. 80-858), as amended

LOCATION: The project is located in Cuyahoga County approximately 11 miles southwest of Cleveland, OH.

DESCRIPTION: Repeated overbank flooding of the Cuyahoga River has caused damages to the commercial and industrial businesses which operate in the city. Heavy flooding in July 2006 resulted in a Presidential Disaster Declaration for the area, precipitating a Flood Damage Reduction study request.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	500,000
Estimated Non-Federal Cost	\$	400,000
Cash		TBD
Other		TBD
Total Estimated Cost	\$	900,000
Allocation thru FY 2008		\$ 100,000
Allocation for FY 2009		\$ 29,000
Recovery Act Allocations as of 31 DEC 09		\$ 0
Allocation for FY 2010		\$ 110,000
Balance to Complete after FY 2010		\$ 261,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Primary activities include Hydraulics and Hydrology analysis and preliminary Environmental Analysis preparations.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for Feasibility

OTHER INFORMATION: Feasibility Cost Sharing Agreement signed in October 2008. Work completed in this study is closely coordinated with a similar study being performed for an adjoining community; Village of Valley View, OH.

CONGRESSIONAL INTEREST: Kucinich (OH-10), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Cuyahoga River, Bath Road, Akron, OH

AUTHORIZATION: Section 14 of the 1946 Flood Control Act (P.L. 79-526), as amended

LOCATION: Along the Cuyahoga River, adjacent to Bath Road in Akron, Summit County, OH, near the river's confluence with Yellow Creek.

DESCRIPTION: Erosion affects 750 feet of the Cuyahoga River adjacent to Bath Road. The draft decision document recommends the construction of stabilization measures along the eroded portion of the Cuyahoga River.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 750,000
Estimated Non-Federal Cost	\$ 263,000
Cash	TBD
Other	TBD
Total Estimated Cost \$	1,013,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 20,000
Balance to Complete after FY 2010	\$ 730,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Work with city of Akron, OH to sign a Project Partnership Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Design and Implementation

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Ryan (OH-17), Voinovich (OH), Brown (OH)

Division: Great Lakes and Ohio River

District: Buffalo

Cuyahoga River, Bath Road, OH

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: City of Brecksville, OH

AUTHORIZATION: Section 205 of the 1948 Flood Control Act (P.L. 80-858), as amended

LOCATION: The project is located at Vaughn Road between Riverview Road and Ohio and Erie Canal Towpath Trail along the Cuyahoga River in Brecksville, Cuyahoga County, OH.

DESCRIPTION: Bank erosion along the Cuyahoga River is jeopardizing Vaughn Road. The study would investigate flood reduction alternatives at the site.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	100,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	100,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 15,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 85,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Determine if a Federal interest exists in pursuing a project, and sign a Feasibility Cost Sharing Agreement (FCSA) with the non-Federal sponsor, City of Brecksville, OH.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2014 for Feasibility

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Kucinich (OH-10), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Limestone Creek, Fayetteville, NY

AUTHORIZATION: Section 205 of the 1948 Flood Control Act (P.L. 80-858), as amended.

LOCATION: Limestone Creek, central New York in the town of Manlius and village of Fayetteville, both suburbs of Syracuse, NY.

DESCRIPTION: Frequent overbank flooding affects a number of residences and the Fayetteville Mall. A study will determine if sufficient flood damages exist to justify a Federal flood control project along Limestone Creek.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	350,000
Estimated Non-Federal Cost	\$	250,000
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	600,000
Allocation thru FY 2008		\$ 100,000
Allocation for FY 2009		\$ 0
Recovery Act Allocations as of 31 DEC 09		\$ 0
Allocation for FY 2010		\$ 50,000
Balance to Complete after FY 2010		\$ 200,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Sign a Feasibility Cost Sharing Agreement with the non-Federal sponsor, New York State Department of Environmental Conservation and start Feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for Feasibility

OTHER INFORMATION: Under New York State law, the non-Federal sponsor must be the NYSDEC. A flood prevention study and accompanying environmental impact statement for Limestone Creek was conducted in 1990. The project was not built at that time due to the lack of funds on the part of the non-Federal partner.

CONGRESSIONAL INTEREST: Maffei (NY-25), Schumer (NY), Gillibrand (NY)

Division: Great Lakes and Ohio River

District: Buffalo

Limestone Creek, Fayetteville, NY

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Magazine Branch, Charleston, WV

AUTHORIZATION: Flood Control Act of 1948 (P.L. 80-858), Section 205, as amended.

LOCATION: Magazine Branch is located on and around Garrison Avenue, which is adjacent to Magazine Branch, Kanawha County, Charleston, WV.

DESCRIPTION: The Garrison Avenue area has a long history of flooding. In June of 2003 Garrison Avenue experienced flooding that caused over \$1 million in damages to nearly 90 residences and city infrastructure. In 1961, Garrison Avenue was also the site of what is considered the worst disaster in Charleston history when rushing flood waters killed 22 people, destroyed numerous homes, and caused over \$3 million dollars in damages. A complete hydrologic & hydraulic flood damage analysis and a preliminary economic assessment determined that a flood control project consisting of nonstructural flood damage reduction measures including floodproofing and floodplain evaluation is economically justified. During the feasibility study, other alternatives will be evaluated to identify the most feasible solution to the flooding problem.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 200,000
Estimated Non-Federal Cost	\$ 100,000
Cash	\$ 25,000
Other	\$ 75,000
Total Estimated Cost	\$ 300,000
Allocation thru FY 2008	\$ 99,000
Allocation for FY 2009	\$ 1,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Prepare and execute feasibility cost sharing agreement with the City of Charleston and continue feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for feasibility.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller IV (WV), Capito (WV-03).

Division: Great Lakes and Ohio River

District: Huntington

Magazine Branch, Charleston, WV

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Metro Center Levee, Nashville, TN

AUTHORIZATION: Section 205, 1948 FCA (PL 80-858), as amended.

LOCATION: Metro Center is a 1,000-acre commercial and industrial development located along the Cumberland River near downtown Nashville, Tennessee.

DESCRIPTION: A 2.8-mile long levee that protects Metro Center from flooding by the Cumberland River was originally constructed in the early 1970's by a private contractor. A joint inspection of the levee in 1993 by Corps and Metro Nashville officials revealed levee deficiencies that could lead to failure if not corrected. Construction was completed as a Corps project in 2004. This included increasing the height of the levee, performing streambank stabilization, and adding a backup sluice gate to provide a 99% chance of containing the 100-year flood. A preliminary levee inspection on 29 Nov 2007 revealed that the project would not pass inspection for levee certification due to design deficiencies. The current Federal project will address those design deficiencies.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost \$	5,811,000
Estimated Non-Federal Cost \$	3,259,000
Cash \$	2,544,000
Other	\$ 715,000
Total Estimated Cost \$	9,070,000
Allocation thru FY 2008 \$	5,153,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 658,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	6.93

FY 2010 ACTIVITIES: Complete plans and specifications, certify real estate, and advertise construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011 for construction.

OTHER INFORMATION: Design deficiencies of 2001 Federal project increased total project cost by approximately \$1,500,000.

CONGRESSIONAL INTEREST: Cooper (TN-05)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Old Fort Niagara, NY

AUTHORIZATION: Section 14 of the 1946 Flood Control Act (P.L. 79-526), as amended.

LOCATION: Old Fort Niagara is located in Youngstown, New York, about 20 miles north of Niagara Falls, NY at the confluence of the Niagara River and Lake Ontario.

DESCRIPTION: Due to the age and exposure of the fort seawalls, they are experiencing significant deterioration and erosion. This project will evaluate alternatives for restoring the current shore protection structures.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	300,000
Estimated Non-Federal Cost	\$	200,000
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	500,000
Allocation thru FY 2008		\$ 100,000
Allocation for FY 2009		\$ 0
Recovery Act Allocation as of 31 DEC 09	\$	0
Allocation for FY 2010		\$ 100,000
Balance to Complete after FY 2010		\$ 100,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Sign a Feasibility Cost Sharing Agreement with the non-Federal sponsor, New York State Department of Environmental Conservation and initiate the Feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for Feasibility

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Slaughter (NY-28), Schumer (NY), Gillibrand (NY)

Division: Great Lakes and Ohio River

District: Buffalo

Old Fort Niagara, NY

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: City of Salamanca, Cattaraugus County, NY

AUTHORIZATION: Section 14 of the Flood Control Act of 1946 (P.L. 79-526), as amended

LOCATION: The project area is located on the left bank of the Allegheny River within the corporate limits of City of Salamanca, Cattaraugus County, New York.

DESCRIPTION: Erosion is threatening the structural integrity of Front Avenue along the left bank of the Allegheny River for a distance of approximately 500 linear feet. The erosion mechanism appears to be bank scour that occurs during high water events. Design will stabilize the bank with stone protection, gabion baskets, and erosive resistant vegetation and will also consider more environmentally favorable methods in order to minimize removal of existing trees.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Design & Implementation</u>
Estimated Federal Cost	\$ 620,000
Estimated Non-Federal Cost	\$ 280,000
Cash	TBD
Other	TBD
Total Estimated Cost	\$ 900,000
Allocation thru FY 2008	\$ 191,700
Allocation for FY 2009	\$ 0
Recovery Act Allocation as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 300,000
Balance to Complete after FY 2010	\$ 128,300
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete design for project and resolve real estate and project partnership agreement issues with the Seneca Nation of Indians.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2010 for completion of project design and execution of a Project Partnership Agreement (PPA)

OTHER INFORMATION: Although the City of Salamanca is the project sponsor, the project is located within the Allegheny Indian Reservation boundary. Potentially lengthy negotiation and coordination with the Seneca Nation of Indians will be required in order to execute a PPA and real estate instruments required for construction.

CONGRESSIONAL INTEREST: Massa (NY-29)

Division: Great Lakes and Ohio River

District: Pittsburgh

City of Salamanca, NY

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Swan Creek, South Toledo, OH

AUTHORIZATION: Section 14 of the 1946 Flood Control Act (P.L. 79-526), as amended

LOCATION: City of Toledo, Lucas County, Ohio. Nelson Avenue, which is on the opposite side of the existing Swan Creek Flood Damage Reduction Project.

DESCRIPTION: Bank erosion along Swan Creek is jeopardizing Nelson Avenue. The study would investigate alternatives for streambank stabilization at the site.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	300,000
Estimated Non-Federal Cost \$	200,000
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	500,000
Allocation thru FY 2008	\$ 25,000
Allocation for FY 2009	\$ 75,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 25,000
Balance to Complete after FY 2010	\$ 175,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Sign a Feasibility Cost Sharing Agreement with the City of Toledo, OH; begin the detailed project report which presents measures, cost estimates, and selects an alternative to stabilize the bank erosion.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for Feasibility

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Kaptur (OH-09), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Swannanoa River Watershed, NC

AUTHORIZATION: Section 205, 1948 FCA (PL 80-858), as amended.

LOCATION: Swannanoa River, Asheville, Buncombe County, NC

DESCRIPTION: Western North Carolina experienced millions of dollars in damages from the remnants of Hurricanes Frances and Ivan in September 2004. The storms caused 11 fatalities, over \$54M in damages to public facilities alone and significant damage to the businesses in the Biltmore Village portion of Asheville. This study is evaluating measures to reduce flood damages from the Swannanoa River in Asheville.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 1,000,000
Estimated Non-Federal Cost	\$ 900,000
Cash	\$ 100,000
Other	\$ 800,000
Total Estimated Cost	\$ 1,900,000
Allocation thru FY 2008	\$ 182,461
Allocation for FY 2009	\$ 50,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 400,000
Balance to Complete after FY 2010	\$ 367,539
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Continue cost-share phase of feasibility. Initiate the development of a draft Detailed Project Report recommending the design and construction of specific flood damage reduction alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011 for Feasibility

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Shuler (NC-11)

Division: Great Lakes and Ohio River

District: Nashville

Swannanoa River Watershed, NC

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Thatcher Brook, Gowanda, NY

AUTHORIZATION: Section 205 of the 1948 Flood Control Act (P.L. 80-858), as amended

LOCATION: In the village of Gowanda, Erie County, NY approximately 29 miles south of Buffalo, NY.

DESCRIPTION: Continual overbank flooding of Thatcher Brook causes damages to over 70 homes in Gowanda. A study would identify measures to reduce the impacts of future flood events.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	100,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	100,000
Allocation thru FY 2008	\$ 20,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 December 09	\$ 0
Allocation for FY 2010	\$ 80,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Federal interest determination.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2014 for Feasibility

OTHER INFORMATION: Severe flooding in June of 1998 precipitated a Flood Damage Reduction study request. Subsequent flooding in 2009 reaffirmed non-Federal interest.

CONGRESSIONAL INTEREST: Kucinich (OH-10), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: City of Valley View, OH

AUTHORIZATION: Section 205 of the 1948 Flood Control Act (P.L. 80-858), as amended

LOCATION: Village of Valley View in Cuyahoga County approximately 11 miles southwest of the City of Cleveland, OH.

DESCRIPTION: Heavy flooding of the Cuyahoga River in July 2006 resulted in a Presidential Disaster Declaration for the area, precipitating a Flood Damage Reduction study request.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	500,000
Estimated Non-Federal Cost	\$	400,000
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	900,000
Allocation thru FY 2008		\$ 100,000
Allocation for FY 2009		\$ 9,000
Recovery Act Allocations as of 31 DEC 09		\$ 0
Allocation for FY 2010		\$ 90,000
Balance to Complete after FY 2010		\$ 301,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Primary activities include Hydraulics and Hydrology analysis and preliminary Environmental Analysis.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for Feasibility

OTHER INFORMATION: Feasibility Cost Sharing Agreement signed in October 2008. Work completed in this study is closely coordinated with a similar study being performed for an adjoining community; Independence, OH.

CONGRESSIONAL INTEREST: Kucinich (OH-10), Voinovich (OH), Brown (OH)

Division: Great Lakes and Ohio River

District: Buffalo

City of Valley View, OH

NAVIGATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Greenup Locks and Dam, OH, KY

AUTHORIZATION: Water Resources Development Act of 2000 (P.L. 106-541), Section 101(b)(15).

LOCATION: The locks are located on the left descending bank of the Ohio River (River Mile 341.0) in Greenup County, Kentucky approximately 24 miles downstream of the confluence of the Big Sandy River.

DESCRIPTION: The Greenup plan of improvement includes a 600-foot extension of the existing 600-foot auxiliary lock to provide an overall length of 1,200 feet, extension of the downstream guide wall, filling and emptying system improvements, installation of a miter gate quick change out system, a dry dock for off-site construction and environmental mitigation measures. A supplemental filling and emptying system will be incorporated to prevent unbalanced filling and emptying of the lock chamber and to maintain the existing fill and empty times for the lock extension. Improvements include fabrication of a new miter gate, construction of an on-shore gate storage and maintenance structure, and modification to all other existing miter gates to facilitate change out. Environmental mitigation for terrestrial habitat losses includes restoration of 139 acres of riparian forest habitat, open field habitat, and river bank habitat. Aquatic habitat losses will be compensated by construction of habitat structures.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 13,264,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 13,264,000
Allocation thru FY 2008	\$ 8,729,000
Allocation for FY 2009	\$ 335,000
Recovery Act Allocation as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 448,000
Balance to Complete after FY 2010	\$ 3,752,000
Benefit to Cost Ratio @ 7%	4.7

FY 2010 ACTIVITIES: Continue detailed design of lock extension.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for Planning, Engineering and Design.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: McConnell (KY), Bunning (KY), Voinovich (OH), Brown (OH), Davis (KY-04), Wilson (OH-06)

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Chickamauga Lock, TN

AUTHORIZATION: Section 114 of the FY 2003 Energy & Water Development Appropriations Bill, P.L. 108-7.

LOCATION: Chickamauga Lock is located seven miles upstream of Chattanooga, Tennessee on the Tennessee River at Mile 471.0.

DESCRIPTION: Construct a new 110' X 600' lock riverward and adjacent to the existing lock. The existing lock has structural problems that result from ongoing alkali aggregate reaction that cause the concrete to physically expand and this is threatening the structural integrity of the lock.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$ 195,950,000
Estimated IWTF Cost	\$ 195,950,000
Total Estimated Cost \$	391,900,000
Allocation thru FY 2008	\$ 93,775,000
Allocation for FY 2009	\$ 37,354,000
Recovery Act Allocations as of 31 DEC 09	\$ 62,391,900
Allocation for FY 2010	\$ 1,000,000
Balance to Complete after FY 2010	\$ 197,379,100
Benefit to Cost Ratio @ 7%	6.0

FY 2010 ACTIVITIES: Continue construction of the cofferdam. Recovery Act funds are being used to award a guidewall fabrication contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: Reliability problems from concrete growth is causing lock failure. Existing lock closure before new lock is constructed will shut off 318 miles of river above Chattanooga, including river access to Knoxville and Oak Ridge, TN. Considerable river use for military and rocket booster shipments expected to increase. Oversized nuclear steam generators and components of \$1.7 billion dollar Spallation Neutron Source Program at Oak Ridge National Laboratory moved by water transportation. Boeing Plant shipments have national security impacts. The Tennessee Valley Authority heavily uses barge transportation to service hydroelectric, coal, steam and nuclear plants.

CONGRESSIONAL INTEREST: Wamp (TN-03), Corker (TN), Alexander (TN), Duncan (TN-02)

Division: Great Lakes and Ohio River

District: Nashville

Chickamauga Lock, TN

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: New York Canal System, NY

AUTHORIZATION: Section 1105 of the Water Resources Development Act of 1986 (P.L. 99-662), Section 553 of the Water Resources Development Act of 1996, as amended (P.L. 104-303) and Section 341 of the Water Resources Development Act of 1999, as amended (P.L. 106-53)

LOCATION: The New York State Canal System includes the Erie, Oswego, Champlain, and Cayuga-Seneca Canals. The system consists of 524 miles of navigable channels with 56 locks connecting the cities of Albany, Syracuse, Rochester, and Buffalo, NY.

DESCRIPTION: Reimbursement program to the State of New York for 50% of the costs of operating, maintaining and rehabilitating the New York State Canal System.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Construction</u>
Estimated Federal Cost	\$	5,000,000 (annually)
Estimated Non-Federal Cost	\$	5,000,000
Cash		\$ 5,000,000
Other		\$ 0
Total Estimated Cost	\$	10,000,000 (annually)
Allocation thru FY 2008		\$ 8,587,000
Allocation for FY 2009		\$ 0
Recovery Act Allocations as of 31 DEC 09		\$ 0
Allocation for FY 2010		\$ 460,000
Balance to Complete after FY 2010		\$ 5,000,000 (annually)
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Reimbursement for 50% of the costs of operating, maintaining and rehabilitating the New York State Canal System up to a maximum of \$460,000.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: The Federal contribution to the costs of rehabilitating the New York State Barge Canal shall be limited in any fiscal year to the lesser of \$5,000,000 or 50% of the expenditures in that fiscal year.

CONGRESSIONAL INTEREST: Owens (NY-23), Arcuri (NY-24), Maffei (NY-25), Lee (NY-26), Higgins (NY-27), Slaughter (NY-28), Schumer (NY), Gillibrand (NY)

Division: Great Lakes and Ohio River

District: Buffalo

New York Canal System, NY

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Replacement Lock, Sault Ste Marie, MI

AUTHORIZATION: Section 1149, Water Resources Development Act of 1986 (PL 99-662), as amended by Section 3091 of Water Resources Development Act of 2007 (PL 110-114)

LOCATION: Sault Ste Marie, Michigan, at the eastern end of the Upper Peninsula of Michigan.

DESCRIPTION: Construction of 110' by 1200' replacement lock on the site of the existing Davis and Sabin Locks to provide for more efficient movement of waterborne commerce and system redundancy.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	
Estimated Federal Cost	\$ 580,264,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 580,264,000
Allocation thru FY 2008	\$ 15,591,000
Allocation for FY 2009	\$ 17,000,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 969,000
Balance to Complete after FY 2010	\$ 546,704,000
Benefit to Cost Ratio @ 7%	0.73

FY 2010 ACTIVITIES: Continue detailed design of remaining features and complete construction contracts awarded in FY 2009.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2020 for construction.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Voinovich (OH), Stupak (MI-1), Miller (MI -10), Oberstar (MN-8), Obey (WI-7), Visclosky (IN-1).

Division: Great Lakes and Ohio River

District: Detroit

Replacement Lock,
Sault Ste Marie, MI

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Cooley Canal, OH

AUTHORIZATION: Section 107 of the River and Harbor Act of 1960 (P.L. 86-645), as amended

LOCATION: Cooley Canal, Lucas County, east of Toledo, OH.

DESCRIPTION: Project requested improvement to navigation through increased dredging depths.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	50,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	50,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 30,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 20,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Prepare a termination report due to lack of a non-Federal Sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: Lucas County, Ohio has expressed its inability to act as the local non-Federal sponsor.

CONGRESSIONAL INTEREST: Kaptur (OH-09), Voinovich (OH), Brown (OH)

Division: Great Lakes and Ohio River

District: Buffalo

Cooley Canal, OH

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Grand Marais Harbor of Refuge, Grand Marais, MN

AUTHORIZATION: Section 107, Rivers and Harbors Acts of 1960 (PL 86-645), as amended by Section 3094, Water Resources Development Act of 2007 (PL 110-114)

LOCATION: Located on the north shore of Lake Superior, approximately 109 miles northeast of Duluth, Minnesota, and 34 miles south of the Canadian border.

DESCRIPTION: In 1991, the Minnesota Department of Natural Resources (MDNR) and the North Shore Management Board selected a string of 9 harbors of refuge for small boats navigating the north shore of Lake Superior. Grand Marais would be part of this system.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>
Estimated Federal Cost	TBD
Estimated Non-Federal Cost	TBD
Cash	TBD
Other	TBD
Total Estimated Cost	TBD
Allocation thru FY 2008	\$ 32,000
Allocation for FY 2009	\$ 25,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 25,000
Balance to Complete after FY 2010	TBD
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Complete the initial assessment Fact Sheet, initiate feasibility phase, including initiating the preparation of the Project Management Plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2012 for Feasibility.

OTHER INFORMATION: WRDA 2007 allows the non-Federal Sponsor to receive credit for design work carried out prior to execution of the PPA.

CONGRESSIONAL INTEREST: Franken (MN), Klobuchar (MN), Oberstar (MN-8)

Division: Great Lakes and Ohio River District: Detroit

Grand Marais Harbor of
Refuge, Grand Marais, MN

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Grand Portage Harbor of Refuge, Grand Portage, MN

AUTHORIZATION: Section 107, Rivers and Harbors Acts of 1960 (PL 86-645), as amended by Section 3095, Water Resources Development Act of 2007 (PL 110-114)

LOCATION: Located on the north shore of Lake Superior, 5 miles south of the Canadian border.

DESCRIPTION: In 1991, the Minnesota Department of Natural Resources and the North Shore Management Board selected a string of 9 harbors of refuge for small boats navigating the north shore of Lake Superior. Grand Portage would be part of this system.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>
Estimated Federal Cost	TBD
Estimated Non-Federal Cost	TBD
Cash	TBD
Other	TBD
Total Estimated Cost	TBD
Allocation thru FY 2008	\$ 67,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 25,000
Balance to Complete after FY 2010	TBD
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Continue feasibility phase including preparation of Project Management Plan and negotiation of Feasibility Cost Share Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2012 for Feasibility.

OTHER INFORMATION: WRDA 2007 allows the non-Federal Sponsor to receive credit for design work carried out prior to execution of the PPA.

CONGRESSIONAL INTEREST: Franken (MN), Klobuchar (MN), Oberstar (MN-8)

Division: Great Lakes and Ohio River

District: Detroit

Grand Portage Harbor of
Refuge, Grand Portage, MN

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Two Harbors, MN

AUTHORIZATION: Section 107, Rivers and Harbors Acts of 1960 (P.L. 86-645), as amended by Section 3101, Water Resources Development Act of 2007 (P.L. 110-114)

LOCATION: Located on the north shore of Lake Superior, 27 miles northeast of Duluth, MN.

DESCRIPTION: In 1991, the Minnesota Department of Natural Resources and the North Shore Management Board selected a string of 9 harbors of refuge for small boats navigating the north shore of Lake Superior. Two Harbors would be part of this system. .

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>
Estimated Federal Cost	\$ 669,500
Estimated Non-Federal Cost	TBD ^{/1}
Cash	TBD
Other	TBD
Total Estimated Cost	TBD
Allocation thru FY 2008	\$ 519,500
Allocation for FY 2009	\$ 25,000
Recovery Act Allocations as of 31 DEC 2009	\$ 0
Allocation for FY 2010	\$ 25,000
Balance to Complete after FY 2010	\$ 100,000
Benefit to Cost Ratio @ 7%	TBD

^{/1} Based on revised authorization, estimated non-Federal costs and associated credits will be evaluated on work completed to date.

FY 2010 ACTIVITIES: Funds will be used to negotiate and execute the Feasibility Cost Share Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2012 for Feasibility.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Franken (MN), Klobuchar (MN), Oberstar (MN-8)

Division: Great Lakes and Ohio River

District: Detroit

Two Harbors, MN

ENVIRONMENT

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Clinch River Watershed, VA

AUTHORIZATION: House Committee on Transportation and Infrastructure Resolution dated 27 September 2000

LOCATION: The Clinch River Watershed encompasses several counties in western VA.

DESCRIPTION: Impacts from coal mines constructed prior to the 1977 Surface Mining Control and Reclamation Act have degraded the watershed's ecosystem and are a concern for both Virginia and Tennessee. The Clinch River is the Nature Conservancy's top national priority because of its number of Federally protected species and its diversity of ecosystems. While a holistic watershed approach is preferred and in the Federal interest, a non-Federal sponsor is currently only available for ecosystem restoration. The 905(b) report was approved in September 2004 and determined there is a Federal interest in pursuing ecosystem restoration independently of the other water resource challenges in the watershed such as flooding.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	1,100,000
Estimated Non-Federal Cost \$	1,100,000
Cash	TBD
Other	TBD
Total Estimated Cost \$	2,200,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 96,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$ 914,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Prepare Peer Review Plan, negotiate and execute Feasibility Cost Share Agreement, and continue feasibility study on Guest River portion of the watershed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for feasibility

OTHER INFORMATION: The Clinch River Watershed will be divided into separable stand alone sub-watershed feasibility studies. The first to be studied is the Guest River basin. The Virginia Department of Mines, Minerals, and Energy is the likely sponsor.

CONGRESSIONAL INTEREST: Boucher (VA-09)

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Grand River at Lansing, MI

AUTHORIZATION: Committee on Transportation and Infrastructure Resolution, Docket No. 2679, adopted May 22, 2002

LOCATION: Lansing, MI, central, southern portion of the Lower Peninsula within Clinton, Eaton, and Ingham Counties.

DESCRIPTION: The study area includes an 8 mile corridor along the Grand River in the City of Lansing, Michigan. The Grand River is the longest river in Michigan, winding 250 miles from Jackson to Lake Michigan. The Grand River Watershed is the largest watershed in the State of Michigan. The purpose of the study is to prepare a master plan to identify and develop measures for flood control, shoreline protection, environmental restoration and protection, recreation and associated purposes.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	
Estimated Federal Cost	<u>Study</u> \$ 537,000
Estimated Non-Federal Cost	\$ 365,000
Cash	\$ 365,000
Other	\$ 0
Total Estimated Cost	\$ 902,000
Allocation thru FY 2008	\$ 124,000
Allocation for FY 2009	\$ 48,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$ 275,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete Project Management Plan, negotiate and execute a feasibility cost share agreement with the City of Lansing as the non-Federal sponsor, and initiate the Feasibility Study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for Feasibility

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Rogers (MI-8)

Division: Great Lakes and Ohio River

District: Detroit

Grand River at Lansing, MI

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Great Lakes Remedial Action Plans (RAP) and Sediment Remediation program

AUTHORIZATION: Section 401(a) WRDA 1990, as amended

LOCATION: Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin

DESCRIPTION: 43 Areas of Concern (AOCs) have been identified by the U.S.-Canada Great Lakes Water Quality Agreement where the beneficial uses of the Great Lakes ecosystem are impaired. This program is a critical part of the Administration's Great Lakes Restoration Initiative (GLRI) and provides technical support to states and local groups for the development and implementation of Remedial Action Plans at the Great Lakes AOCs. RAP support has included planning and design of projects for sediment cleanup, habitat restoration, pollution source control, and monitoring of completed restoration projects.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru 2008	\$6,749,000
Allocation for FY 2009	\$ 1,195,000
Recovery Act Allocations as of 31 Dec 2009	\$ 0
Allocation for FY 2010	\$ 3,407,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio Applicable rate (7%)	N/A

FY 2010 ACTIVITIES: Provide RAP support through existing cost sharing agreements at the following AOCs: Clinton River, MI; Saginaw Bay, MI; St. Louis River, MN/WI; Niagara River, NY; Eighteenmile Creek, NY, and; Maumee River, OH. Districts are negotiating additional agreements for RAP support at several other AOCs.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: The RAP Program supports the delisting of AOCs which is a key metric of the Administration's GLRI. RAP technical support has planned and designed four sediment cleanup projects that were subsequently implemented under EPA's Legacy Act program

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Voinovich (OH), and more than 40 other Members whose state or districts include one or more of the Great Lakes Areas of Concern.

Division: Great Lakes and Ohio River

District: Detroit (Lead)

Great Lakes RAP

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Hocking River Basin, Monday Creek, OH

AUTHORIZATION: Water Resource Development Act of 2007 (P.L. 110-114), Section 1001 (37)

LOCATION: Monday Creek, a tributary of the Hocking River, encompasses 116 square miles of Perry, Athens, and Hocking Counties near Nelsonville in southeastern Ohio.

DESCRIPTION: The feasibility study recommends the construction of over 200 ecosystem restoration treatments within the Monday Creek Watershed to remove over 3,000 tons of acid load per year.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$ 690,000
Estimated Non-Federal Cost	\$ 230,000
Cash	\$ 230,000
Other	\$ 0
Total Estimated Cost	\$ 920,000
Allocation thru FY 2008	\$ 292,000
Allocation for FY 2009	\$ 335,000
Allocation for FY 2010	\$ 56,000
Balance to Complete after FY 2010	\$ 7,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continuing with Preconstruction Engineering and Design (PED).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Planning, Engineering, and Design

OTHER INFORMATION: Implementation guidance for the authorizing language states that, "no work shall be conducted on lands in the Wayne National Forest unless the Department of Agriculture provides funds for such work." Since 67% of the 178 projects fall on United States Forest Service (USFS) lands, the Corps is negotiating with the USFS and Ohio Department of Natural Resources on how best to proceed with the PED phase.

CONGRESSIONAL INTEREST: Voinovich (OH), Brown (OH), Austria (OH-07), Wilson (OH-06), Space (OH-18)

Division: Great Lakes and Ohio River

District: Huntington

Hocking River Basin,
Monday Creek, OH

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Lake County Wetlands Restoration (PAS), Lake County, Illinois

AUTHORIZATION: Flood Control Act of 1972 (P.L. 93-251), Section 22 as amended, Planning Assistance to States(PAS) Program

LOCATION: Lake County, IL.

DESCRIPTION: The purpose of this project is to evaluate each watershed (Des Plaines River, Fox River, North Branch Chicago River, and Lake Michigan watershed) within Lake County and identify the watershed experiencing the most flood damage, identify the largest wetlands and forest preserve property adjacent to residential areas, and identify wetlands with significant stormwater storage capacity for providing relief to areas that continue to experience flood damage. This work is to be done in collaboration with Lake County Stormwater Management Commission.

	FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>		
Estimated Federal Cost	\$	200,000
Estimated Non-Federal Cost	\$	200,000
Cash		\$ TBD
Other		\$ TBD
Total Estimated Cost	\$	400,000
Allocation thru FY 2008	\$	0
Allocation for FY 2009	\$	0
Recovery Act Allocations as of 31 DEC 09	\$	0
Allocation for FY 2010	\$	200,000
Balance to Complete after 2010	\$	0
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Execute PAS Agreement and initiate study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete study in FY2011.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Durbin (IL)

Division: Great Lakes and Ohio River

District: Chicago

Lake County Wetlands

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Little Kanawha River (Wells Lock and Dam), WV

AUTHORIZATION: Resolution of the Committee on Environmental and Public Works, U.S. Senate, adopted March 21, 1989.

LOCATION: The project is located on the Little Kanawha River in Wirt County near Elizabeth, WV. The Little Kanawha River Basin occupies 2,300 square miles in northwestern West Virginia.

DESCRIPTION: The Wells Lock and Dam was originally constructed by private interests in the late 1800's. The Corps of Engineers assumed ownership and operated the project as part of the navigations system for the Little Kanawha River. In the 1960's the Corps ceased to operate the lock as a navigation project and turned it over to the WV Department of Natural Resources (WVDNR). Currently, the structure is in extremely poor repair and the lock chamber and several of the concrete cells are in failure mode. When the structure fails, the pool and it's associated long term habitat will be lost, as well as the water intake for the town of Elizabeth (the Wirt County Seat) and the WVDNR Fish Hatchery. Additionally, the loss of pool will result in significant erosion and bank slips that will affect numerous homes, schools, businesses as well as roads and other related infrastructure.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	Study	1/
Estimated Federal Cost	\$ 398,000	
Estimated Non-Federal Cost	\$ 398,000	
Cash	\$ 0	
Other	\$ 398,000	
Total Estimated Cost	\$ 796,000	
Allocation thru FY 2008	\$ 68,000	
Allocation for FY 2009	\$ 232,000	
Recovery Act Allocations as of 31 DEC 09	\$ 0	
Allocation for FY 2010	\$ 36,000	
Balance to Complete after FY 2010	\$ 62,000	
Benefit to Cost Ratio @ 7%		N/A

1/ Reflects feasibility funds only.

FY 2010 ACTIVITIES: Continue Feasibility Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for feasibility – subject to availability of funds.

OTHER INFORMATION: A feasibility cost share agreement was executed on September 30, 2008 with the West Virginia Department of Environmental Protection (WVDEP), the cost sharing sponsor. Additional stakeholders include the WV Conservation Agency, The Nature Conservancy and the Canaan Valley Institute.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Capito (WV-02), Mollohan (WV-01).

Division: Great Lakes and Ohio River

District: Huntington

Little Kanawha River
(Wells Lock and Dam), WV

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: New River, Claytor Lake, VA

AUTHORIZATION: Resolution of the Committee on Public Works of the U.S. House of Representatives, adopted May 10, 1962

LOCATION: Claytor Lake is located in Pulaski County near Radford, Virginia.

DESCRIPTION: The upper portion of Claytor Lake captures entrained sediment loads from the New River. Primarily, in the upper 2 miles of the lake, sedimentation is the greatest along the inside of the relic river meander habitats. This has smothered benthic habitat, reduced water depths, and fisheries habitats. Initial consideration of concepts and project alternatives has included deep water structures, the establishment of emergent, transitional and terrestrial vegetation, and the construction of adjacent embayment or wetland features.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Study</u>	1/
Estimated Federal Cost	\$	420,000
Estimated Non-Federal Cost	\$	420,000
Cash	\$	119,000
Other	\$	301,000
Total Estimated Cost	\$	840,000
Allocation thru FY 2008	\$	243,000
Allocation for FY 2009	\$	96,000
Recovery Act Allocations as of 31 DEC 09	\$	0
Allocation for FY 2010	\$	81,000
Balance to Complete after FY 2010	\$	0
Benefit to Cost Ratio @ 7%		N/A

1/ Reflects feasibility funds only.

FY 2010 ACTIVITIES: Complete feasibility report, complete National Environmental Policy Act process and submit Final Feasibility Report for vertical review and approval.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for feasibility – subject to completion and outcome of analysis of Hazardous, Toxic, and Radioactive Waste sampling and impacts.

OTHER INFORMATION: Project schedule progress is being managed to match sponsor contribution of in-kind services. Cost estimate may be impacted by the outcome of the analysis of HTRW sampling.

CONGRESSIONAL INTEREST: Webb (VA), Warner (VA), Boucher (VA-09)

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Niagara River Watershed Study

AUTHORIZATION: Section 729 of the Water Resources Development Act (WRDA) of 1986, as amended

LOCATION: The Niagara River watershed in Erie and Niagara Counties in western New York.

DESCRIPTION: The purpose of the comprehensive watershed study is to develop a multi-agency strategic plan for recommending and implementing measures that will restore the beneficial uses of the Niagara River. The strategic plan will place emphasis on collaboration and consensus building with all relevant international, Federal, State, and local stakeholders to maximize implementation of actions identified in the strategic plan, Remedial Action Plan, and Lake Erie and Lake Ontario Lakewide Management Plans.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 750,000
Estimated Non-Federal Cost	\$ 250,000
Cash	\$ 0
Other	\$ 250,000
Total Estimated Cost	\$ 1,000,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 96,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2011	\$ 660,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 activities will include completion of the Initial Watershed Assessment, intended to establish a partnership to participate in determining problems, needs and opportunities and to research historic and current conditions and use in the watershed. Two public and agency workshops will be held within the geographic limits of the watershed. A Final Watershed Assessment will also be initiated, which will identify problems and potential solutions with greater specificity.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Initial Watershed Assessment will be completed in FY 2010.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Slaughter (NY-28), Higgins (NY-27), Lee (NY-26), Schumer (NY) and Gillibrand (NY)

Division: Great Lakes and Ohio River District: Buffalo Niagara River Watershed Study

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Onondaga Lake, NY

AUTHORIZATION: Section 573, WRDA 1999 (P.L. 106-53), as amended by Section 131 of the Energy & Water Development Appropriations Act, 2006 (P.L. 109-103)

LOCATION: Onondaga County, NY

DESCRIPTION: Onondaga Lake is located in central NY, and is part of the New York State Barge Canal System and Oswego River System. The Buffalo District leads the Onondaga Lake Partnership (OLP) to promote cooperation among Federal, State, and local governments and organizations in the management of the environmental issues of Onondaga Lake and its watershed.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	7,457,000
Estimated Non-Federal Cost		\$ 0
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	7,457,000
Allocation thru FY 2008	\$	4,532,300
Allocation for FY 2009		\$ 239,000
Recovery Act Allocation a/o 31 DEC 09		\$ 93,000
Allocation for FY 2010		\$ 97,000
Balance to Complete after FY 2010		\$ 2,395,700
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: USACE will continue leadership and administration of the Partnership and active participation on all OLP committees. In addition, the Onondaga Lake Watershed Progress Assessment and Action Strategies (OLWPAAS) report will be completed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2014 for Feasibility.

OTHER INFORMATION: ARRA funding will be used to fund completion of a supplement to the OLWPAAS and to develop the 2009 State of Onondaga Lake report, both of which will serve a critical role in the OLP outreach program to communicate OLP goals, progress and future plans to the public.

CONGRESSIONAL INTEREST: Maffei (NY-25), Schumer (NY), Gillibrand (NY)

Division: Great Lakes and Ohio River District: Buffalo Onondaga Lake, NY

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: South Fork of the South Branch of the Chicago River
(Bubbly Creek), IL

AUTHORIZATION: Section 905, Water Resources Development Act 1986, Resolution by the Senate Committee on Environment & Public Works adopted 20 July 2005

LOCATION: The South Fork of the South Branch of the Chicago River, known as Bubbly Creek, is a 6,600-foot long channel that begins near Racine Avenue and 38th Street and flows north to the South Branch of the Chicago River. The project lies within the City of Chicago, Cook County, Illinois.

DESCRIPTION: Bubbly Creek has been greatly altered through urban development and its ecosystem degraded by stream channelization, sediment contamination, severe hydrologic alterations, lack of in-stream and riparian habitat, and poor water quality. The project will restore flow conditions to sustain ecosystem benefits, reduce impacts of combined sewer overflows, reduce degradation caused by bottom sediments, restore natural fish and related habitat function and structure, restore diverse native plant and animal species, provide additional recreational opportunities and manage public access through the project area.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$	1,425,000
Estimated Non-Federal Cost	\$	1,325,000
Cash		\$ 757,000
Other		\$ 568,000
Total Estimated Cost	\$	2,750,000
Allocation thru FY 2008		\$ 890,000
Allocation for FY 2009		\$ 411,000
Recovery Act Allocations as of 31 DEC 09		\$ 0
Allocation for FY 2010		\$ 90,000
Balance to Complete after 2010		\$ 34,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Continue the feasibility study, including plan formulation and evaluation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility study by FY 2011, contingent upon funding.

OTHER INFORMATION: The local sponsor is the City of Chicago Department of Environment.

CONGRESSIONAL INTEREST: Lipinski (IL-3), Durbin (IL)

Division: Great Lakes and Ohio River

District: Chicago

South Fork South Branch, Chicago
River (Bubbly Creek)

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Black Lake, Ogdensburg, NY

AUTHORIZATION: Section 104 of the Rivers and Harbors Act of 1958, as amended (P.L. 85-500) and Sections 103, 105, and 712 of the Water Resources Development Act of 1986 (P.L. 99-662).

LOCATION: Black Lake is located along the St. Lawrence River in Ogdensburg, NY.

DESCRIPTION: Black Lake is a narrow, shallow lake with a surface area of 7,761 acres through which the Indian River flows. It is an important recreational boating and fishing resource and, in recent years, significant increases in aquatic vegetation have been observed in the lake.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost		\$ 100,000
Estimated Non-Federal Cost		\$ 0
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	100,000
Allocation thru FY 2008		\$ 0
Allocation for FY 2009		\$ 0
Recovery Act Allocations as of 31 DEC 09		\$ 0
Allocation for FY 2010		\$ 100,000
Balance to Complete after FY 2010		\$ 0
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Complete Initial Appraisal to identify the type, location, magnitude, and impacts of the aquatic plant problem in Black Lake and document the determination of need for further study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Initial Appraisal

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Owens (NY-23), Schumer (NY), Gillibrand (NY)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Chautauqua Lake, NY Aquatic Plant Control

AUTHORIZATION: Section 104 of the RHA 1958 (33 U.S.C.610), as amended by Section 225 and 540 WRDA 1996 (P.L. 104-303), as amended by Section 205 WRDA 1999 (P.L. 106-53)

LOCATION: Chautauqua Lake, NY

DESCRIPTION: The aquatic ecosystem of the Lake has been severely affected by uncontrolled exotic weed growth. The natural lake environment, as well as recreational boating and other activities that support the regional economy are being detrimentally impacted.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 212,000
Estimated Non-Federal Cost	\$ 162,000
Cash	TBD
Other	TBD
Total Estimated Cost	\$ 374,000
Allocation thru 2008	\$ 49,000
Allocation for FY 2009	\$ 78,000
ARRA Allocation thru 31 Dec 2009	\$ 0
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 35,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: A reconnaissance report has been prepared for aquatic plant management at Chautauqua Lake. On approval of the reconnaissance report, a cost shared feasibility study may be initiated.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for Reconnaissance Report.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Schumer (NY), Gillibrand (NY), Higgins (NY-27)

Division: Great Lakes and Ohio River

District: Pittsburgh

Chautauqua Lake,
NY

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Great Lakes Fishery & Ecosystem Restoration Program, MI, IL, IN, MN, NY, OH, PA, and WI

AUTHORIZATION: Section 506, Water Resources Development Act of 2000 (P.L. 106-541)

LOCATION: Great Lakes region, including the Great Lakes and Lake St. Clair, the Detroit, St. Clair, St. Marys, and Chicago Rivers and the St. Lawrence River (to the 45th parallel)

DESCRIPTION: In cooperation with other Federal, state and local agencies, tribes, and the Great Lakes Fishery Commission, the purpose of this program is to plan, implement, and evaluate projects supporting the restoration of the fishery, ecosystem, and beneficial uses of the Great Lakes region.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Construction</u>
Estimated Federal Cost	\$ 100,000,000
Estimated Non-Federal Cost	\$ 53,846,000
Cash	TBD ^{/1}
Other	TBD ^{/1}
Total Estimated Cost	\$ 153,846,000
Allocation thru FY 2008	\$ 2,549,400
Allocation for FY 2009	\$ 2,157,000
Recovery Act Allocations as of 31 DEC 09	0
Tentative GLRI Allocation for FY 2010	\$ 7,054,000 ^{/2}
Allocation for FY 2010	2,471,000
Balance to Complete after FY 2010	92,768,600
Benefit to Cost Ratio @ 7%	N/A

^{/1} Multiple projects will be implemented under this program. Estimated total non-Fed program cost is based on 65% Federal, 35% non-Federal cost sharing.

^{/2} Great Lakes Restoration Initiative program funding from U.S. Environmental Protection Agency

FY 2010 ACTIVITIES: Numerous potential projects have been coordinated with the Great Lakes Fishery Commission, state and tribal agencies. Preliminary Restoration Plans (PRPs) are approved for seven projects. FY10 funds will be used to begin construction of the Chautauqua Creek, NY, 63rd Street Beach, IL, and Frankenmuth, MI projects, to continue feasibility efforts on the Boardman River, MI, Henry Ford Estate Dam, MI, Waukegan River, IL, Ft. Sheridan Coastal, IL, Orland Tract, IL, Cattaraugus Creek, NY, Springville Dam, OH, and Ballville Dam, OH projects, and to initiate feasibility efforts on the Conneaut Creek, PA, Harpersfield Dam, OH, Irondequoit Creek, NY, Amoco Wetland, IN, Beemsterboer Ridge, IN, Burnham Prairie, IL, Calumet & Ivanhoe, IN, Elkhart River & Christiana Creek, IN, Waukegan Coastal, IL, Gay Stamp Sands, MI, Menominee River, WI, St. Mary's River, MI, St. Louis River, MN, and Thunder Bay Fish Reefs, MN. At least one PRP would be drafted for an additional project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for currently funded construction activities.

OTHER INFORMATION: The Great Lakes Restoration Initiative will provide supplemental funding in the amount of \$7,054,000 to accelerate construction of the 63rd Street Beach, IL, and Frankenmuth, MI, projects and to supplement feasibility efforts as shown below.

The following table summarizes the projects scheduled for activity in FY 2010 along with the anticipated source funding for each:

Project	Construct Start	FY 2010		
		Phase ^{1/}	E&W Allocation (\$000)	GLRI Tentative Allocation (\$000)
Ballville Dam, OH	2011	F	\$150	\$100
Chautauqua Creek, NY (construct with PY funds)	2010	DI	\$0	\$0
Conneaut Creek, PA	2013	F	\$50	\$260
Irondequoit Creek, NY	2013	F	\$50	\$260
Springville Dam, OH	2012	F	\$100	\$150
Harpersfield Dam/Grand River Sea Lamprey Barrier, OH	2012	F	\$50	\$260
63rd St. Beach and Dune, IL	2010	F	\$71	\$729
Amoco Wetland & Lake Mary, IN	2011	R	\$50	\$25
Beemsterboer Ridge and Swale, IN	2011	R	\$50	\$1,200
Burnham Prairie, IL	2010	DI	\$150	\$1,850
Calumet & Ivanhoe South Ridge and Swale, IN	2011	R	\$50	\$200
Dupont Ridge and Swale, IN	2011	F	\$0	\$200
Elkhart River & Christiana Creek, IN	2011	F	\$100	\$250
Ft. Sheridan Coastal, IL	2011	F	\$300	\$350
Lake Plain, IL/WI	TBD	R	\$0	\$50
Orland Tract, IL	2011	F	\$50	\$50
Red Mill Pond, IN (construct with PY funds)	2010	DI	\$0	\$0
Deep River, IN	TBD	R	\$0	\$50
Waukegan Coastal, IL	2011	F	\$100	\$0
Boardman River Dam, MI	2012	F	\$300	\$200
Ford Estate Dam Fish Passage, MI	2012	F	\$100	\$100
Frankenmuth Dam Fish Passage, MI	2010	DI	\$400	\$300
Gay Stamp Sands	TBD	R	\$50	\$50
Menominee River, WI	TBD	F	\$25	\$75
St. Mary's River, MI	2011	F	\$100	\$100
St. Louis River, MN	2013	F	\$50	\$50
Thunder Bay Fish Reefs	2011	F	\$50	\$50
Additional projects TBD	TBD	R	\$0	\$100
Coordination	NA	C	\$75	\$45
			\$2,471	\$7,054

^{1/} Phases: C-Coordination, R-Reconnaissance, F-Feasibility, DI-Design & Implementation

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Feingold (WI), Kohl (WI), Bayh (IN), Lugar (IN), Voinovich (OH), Franken (MN), Klobuchar (MN), Upton (MI-6), Stupak (MI-1), Hoekstra (MI-2), Camp (MI-4), Ehlers (MI-3), Obey (WI-7), Visclosky (IN-1), Donnelly (IN-2), Kaptur (OH-9), Lipinski (IL-3), Kirk (IL-10), Oberstar (MN-8)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Aquatic Ecosystem Restoration

PROJECT/STUDY NAME: Aquatic Plant Control, Hydrilla/Milfoil, Guntersville Lake, AL

AUTHORIZATION: Section 104 of the River and Harbors Act of 1958 (P.L. 85-500), as amended.

LOCATION: Guntersville Lake, AL

DESCRIPTION: Research program for aquatic plant management with a purpose to provide effective, economical, and environmentally compatible control techniques. Site specific research is allowed.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ TBD
Estimated Non-Federal Cost	\$ TBD
Cash	\$ TBD
Other	\$ TBD
Total Estimated Cost	\$ TBD
Allocation thru (BY-2) FY 2008	\$ 0
Allocation for (BY-1) FY 2009 \$	0
ARRA Allocations as of 31 December 2009	\$ 0
Allocation for FY 2010	\$ TBD
Balance to Complete after FY 2010	\$ TBD
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: None. Work on Federal lakes is not eligible for funding under the program.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A.

OTHER INFORMATION: Funding (\$150,000) is in the FY2010 Energy and Water Appropriation Construction funding table. No statutory language is provided. Guntersville Lake is a Tennessee Valley Authority (TVA) Federal project on the Tennessee River. The area containing exotic invasive plants is near Scottsboro, AL.

CONGRESSIONAL INTEREST: Sessions (AL), Griffith (AL-05)

DISTRICT: Nashville

FACT SHEET
Construction
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Lake Michigan Waterfront, IN

AUTHORIZATION: Section 125, Energy & Water Appropriations Act (PL 109-103), 2006

LOCATION: Lake Michigan Waterfront and Related Areas in Lake and Porter Counties in Indiana. Related areas are defined as adjacent or close sites that have an impact or influence on the waterfront areas or aquatic habitat.

DESCRIPTION: Restoration includes ecosystem restoration and/or management of contaminants for ecological or economic purposes for sites along or that impact the Lake Michigan Waterfront in Lake and Porter Counties in Indiana. Projects would be justified by evaluating benefits related to ecosystem restoration, the clean up of contaminants, public health, safety, economic benefits or any combination of these types of benefits. Projects would be Cost Shared 65% (Federal) 35% (Non-Federal), or 85%(Federal), 15%(Non-Federal) if there is an innovative technology demonstrated, with credit for real estate and in-kind services. Post-Construction Operations and Maintenance, Repair, Replacement and Rehabilitation for these projects would be 100% Non-Federal costs.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 20,000,000/yr
Estimated Non-Federal Cost	\$ 10,770,000/yr
Cash	TBD
Other	TBD
Total Estimated Cost	\$ 30,770,000/yr
Allocation thru FY 2008	\$ 394,000
Allocation for FY 2009	\$ 2,000,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 3,000,000
Balance to Complete after 2010	TBD
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Initiate work on Whiting and Portage sub-projects.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: The program would help to restore ecosystem function, structure and dynamic processes to a less degraded and more natural condition, including sites with contaminants along or that impact the Lake Michigan shoreline in Lake and Porter Counties, Indiana. Ecosystem restoration sites may also include compatible recreation that does not increase the federal share by more than 10%.

CONGRESSIONAL INTEREST: Visclosky (IN-1)

Division: Great Lakes and Ohio River

District: Chicago

Lake Michigan Waterfront, IN

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Sodus Bay, Sodus Point, NY

AUTHORIZATION: Section 104 of the Rivers and Harbors Act of 1958, as amended (P.L. 85-500) and Sections 103, 105, and 712 of the Water Resources Development Act of 1986 (P.L. 99-662)

LOCATION: Sodus Bay is located on Lake Ontario in Wayne County, NY.

DESCRIPTION: Sodus Bay is a major embayment of eastern Lake Ontario with a surface area of 3,150 acres. It is an important recreational boating and fishing resource and aquatic vegetation has been reported as being very abundant and has significantly increased in area in recent years.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 100,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocations as off 31 December	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete Initial Appraisal to identify the type, location, magnitude, and impacts of the aquatic plant problem in Sodus Bay and document the determination of need for further study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Initial Appraisal

OTHER INFORMATION: Reconnaissance studies are conducted at 100% Federal expense at a cost normally restricted to no more than \$15,000 and are limited to 12 months in duration.

CONGRESSIONAL INTEREST: Maffei (NY-25), Schumer (NY), Gillibrand (NY)

Division: Great Lakes and Ohio River

District: Buffalo

Sodus Bay, Sodus Point, NY

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: St Clair River and Lake St. Clair, Michigan

AUTHORIZATION: Sec. 426, Water Resources Development Act of 1999, (P.L. 106-53), as amended by Sec. 3089, Water Resources Development Act (WRDA) of 2007, (P.L. 110-114)

LOCATION: The St Clair River and Lake St. Clair are located just north of the City of Detroit, Michigan. They form the international border with Canada. The St. Clair River and Lake St. Clair lie between Ontario, Canada and St. Clair and Macomb Counties, in Southeast Michigan.

DESCRIPTION: The St. Clair River has been designated by the International Joint Commission as an Area of Concern. The WRDA 2007 authority directs the Corps to develop a strategic implementation plan to implement the recommendations of the Management Plan and authorizes the Corps to establish a partnership with other interested agencies to implement the recommendations of the Plan. After approval of the Strategic Implementation Plan, the Corps will plan, design, and implement projects consistent with the Plan.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010</u> <u>Study</u>	<u>FY 2010</u> <u>Construction</u>
Estimated Federal Cost	\$ 625,700	\$ 19,374,300
Estimated Non-Federal Cost	0	10,432,300 ^{/1}
Cash	0	TBD ^{/1}
Other	0	TBD ^{/1}
Total Estimated Cost	625,700	29,806,600
Allocation thru FY 2008	\$ 434,700	\$0
Allocation for FY 2009	191,000	0
Recovery Act Allocations as of 31 DEC 09	0	0
Allocation for FY 2010	0	100,000
Balance to Complete after FY 2010	0	19,274,300
Benefit to Cost Ratio @ 7%		N/A

^{1/} Per WRDA 2007 implementation guidance, cost sharing provisions vary based on the type of work associated with the projects selected for implementation. These projects have not yet been identified. The non-Federal cost identified is an estimate based on total Federal cost, for projects to be cost shared 65/35.

FY 2010 ACTIVITIES: Establish a Partnership with the appropriate Federal, state, and local agencies; negotiate and execute a study cost sharing agreement with an appropriate non-Federal interest for development of a Strategic Implementation Plan, and upon completion and approval of the Strategic Implementation Plan, prepare feasibility studies and implement projects in accordance with the approved plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for Strategic Implementation Plan.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Miller (MI-10), Levin (MI-12).

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Ashtabula Regional Sediment Management, OH

AUTHORIZATION: Section 204 of the 1992 Water Resources Development Act (P.L. 102-580), as amended

LOCATION: Lake Erie in the city of Ashtabula, Ashtabula County, Ohio.

DESCRIPTION: Project will evaluate opportunities for ecosystem restoration and/or flood damage protection using dredged material from the lower section of the Ashtabula River and outer harbor.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010</u> <u>Study</u>
Estimated Federal Cost \$	700,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	700,000
Allocation thru FY 2008	\$ 50,000
Allocation for FY 2009	\$ 125,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 350,000
Balance to Complete after FY 2010	\$ 175,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: The funds will be used to begin the detailed project report which presents and evaluates measures, cost estimates, ecological outputs, and identifies the selected ecosystem restoration alternative for beneficially using dredged material.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013 for Feasibility, contingent upon funding

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: LaTourette (OH-14), Voinovich (OH), Brown (OH)

Division: Great Lakes and Ohio River

District: Buffalo

Ashtabula RSM, OH

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Canonsburg Lake, PA

AUTHORIZATION: Section 206, WRDA 1996 (PL 104-303), as amended

LOCATION: Canonsburg Lake is located 3 miles east of Canonsburg, PA on State Route 19 in Washington County, PA

DESCRIPTION: The purpose of the project is to restore the aquatic ecosystem of the 76-acre Canonsburg Lake which has been severely degraded by sediment deposition. Sedimentation has reduced the lake's storage capacity and depth, increased its water temperature, increased unwanted nutrient loading, and reduced the lake's dissolved oxygen levels making it less suitable for fish and other aquatic organisms. Possible solutions will be to create new wetlands and re-distribute sediment in the lake through the use of geotubes.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Design & Implementation
Estimated Federal Cost	\$ 4,255,641
Estimated Non-Federal Cost	\$ 2,291,499
Cash	TBD
Other	TBD
Total Estimated Cost	\$ 6,547,140
Allocation thru FY 2008	\$ 414,131
Allocation for FY 2009	\$ 70,910
Recovery Act Allocation as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 3,770,600
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Execute the Project Partnership Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for completion of construction

OTHER INFORMATION: Execute PPA and award construction contract

CONGRESSIONAL INTEREST: Murphy (PA-18)

Division: Great Lakes and Ohio River

District: Pittsburgh

Canonsburg Lake,
PA

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Conneaut Harbor East State Park, OH

AUTHORIZATION: Section 1135 of the Water Resources Development Act of 1986 (P.L. 99-662), as amended

LOCATION: Conneaut, Ashtabula County, OH, approximately 68 miles east of Cleveland, OH

DESCRIPTION: Accretion of sand has caused environmental degradation of an area which once provided habitat and spawning areas for a variety of native fish. Feasibility started in FY 2002.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	325,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	325,000
Allocation thru FY 2008	\$ 97,000
Allocation for FY 2009	\$ 3,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 125,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Determine if a Federal interest still exists and continue the Feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Feasibility

OTHER INFORMATION: The project was last funded in Fiscal Year 2004. The sediment from Conneaut Harbor and the adjacent park is a potential source of beach nourishment at Presque Isle State Park, PA. Potential local sponsor is the Ohio Department of Natural Resources.

CONGRESSIONAL INTEREST: Dahlkemper (PA-03), Specter (PA), Casey (PA), LaTourette (OH-14), Voinovich (OH), Brown (OH)

Division: Great Lakes and Ohio River

District: Buffalo

Conneaut Harbor East State Park, OH

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: East Harbor State Park, West Harbor, OH

AUTHORIZATION: Section 1135 of the Water Resources Development Act of 1986 (P.L. 99-662), as amended

LOCATION: Within East Harbor State Park along the Lake Erie shoreline in northwest OH, adjacent to the West Harbor navigation structures.

DESCRIPTION: Federal navigation structures at the site have limited the natural movement of sand along the shoreline, causing erosion to occur at the 670-acre coastal wetland marsh. Preliminary Restoration Plan recommended protecting Middle Harbor by restoring the protective barrier beach. Feasibility started in FY 2004. This marsh is one of three coastal wetland marshes located on Lake Erie.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Study</u>
Estimated Federal Cost \$	500,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	500,000
Allocation thru FY 2008	\$ 154,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 246,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY10 activities include generating alternative plans, preparing cost estimates and performing background environmental studies on this project. It is also anticipated that a Public Information Session will be held and environmental compliance activities will be initiated.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Feasibility

OTHER INFORMATION: The Ohio Department of Natural Resources is the non-Federal sponsor.

CONGRESSIONAL INTEREST: Kaptur (OH-09), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Green River Dam Mod, KY

AUTHORIZATION: Section 1135, WRDA 86 (P.L. 99-662), as amended.

LOCATION: The project is located at Green River Lake near Campbellsville, in Taylor and Adair Counties, Kentucky.

DESCRIPTION: The feasibility study would evaluate measures to modify the existing outlet works and/or discharges to meet temperature requirements for release of water through the dam.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>	FY2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$ 100,000	\$ 2,250,000
Estimated Non-Federal Cost	\$ 0	\$ 750,000
Cash	\$ 0	\$ 750,000
Other	\$ 0	\$ 0
Total Estimated Cost	\$ 100,000	\$ 3,000,000
Allocation thru 2008	\$ 0	\$ 0
Allocation for FY 2009	\$ 96,000	\$ 0
Recovery Act Allocation as of 31 DEC 09	\$ 0	\$ 0
Allocation for FY 2010	\$ 50,000	\$ 100,000
Balance to Complete after FY 2010	\$ 0	\$ 2,150,000
Benefit to Cost Ratio 7%	TBD	TBD

FY 2010 ACTIVITIES: Completion of feasibility study to examine alternatives and to estimate cost to modify the existing outlet works to increase warm water discharges. Initiate design and implementation of project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for feasibility

OTHER INFORMATION: Sufficient increase in warm water releases will directly benefit survival and reproduction of seven endangered mussels downstream of the dam. Work would be associated with the Sustainable Rivers Project, a joint initiative with The Nature Conservancy and would be consistent with USACE Environmental Operating Principles and provisions of the Endangered Species Act and several Water Resources Development Acts addressing environmental mission of the USACE.

CONGRESSIONAL INTEREST: McConnell (KY), Bunning (KY), Guthrie (KY-2)

Division: Great Lakes and Ohio River

District: Louisville

Green River Dam Mod, KY

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Gull Point, Presque Isle, PA

AUTHORIZATION: Section 1135 of the Water Resources Development Act of 1986 (P.L. 99-662), as amended

LOCATION: On the southern shore of Lake Erie in Erie, PA, at the northeast end of the Presque Isle State park peninsula.

DESCRIPTION: Project would evaluate alternatives to minimize erosion within the project area and to promote continued growth of Gull Point.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	400,000
Estimated Non-Federal Cost \$	300,000
Cash	TBD
Other	TBD
Total Estimated Cost \$	700,000
Allocation thru FY 2008	\$ 2,000
Allocation for FY 2009	\$ 15,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 283,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Determine if a Federal interest exists and if there is a viable non-Federal sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013 for Feasibility

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Dahlkemper PA-03, Specter-PA, Casey-PA

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Hoffman Dam, Cook County, Illinois

AUTHORIZATION: Section 206, Water Resources Development Act 1996, as amended

LOCATION: The project is located along the Des Plaines River near the Villages of Lyons and Riverside, Illinois.

DESCRIPTION: The goal of the Hoffman Dam project is to alleviate the ill effects of three low-head dams along the Des Plaines River near the Villages of Lyons and Riverside, Illinois. These dams no longer serve their original purpose of creating recreational pools and currently impede the migration of fish, impair water quality (dissolved oxygen, high temperatures) and have converted riverine habitat to stagnant reservoir habitat. The proposed project seeks to remove the Armitage and Fairbanks dams and to notch the Hoffman Dam in order to restore riverine conditions.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Design and Implementation</u>
Estimated Federal Cost \$	4,168,000
Estimated Non-Federal Cost \$	2,244,000
Cash	\$ 2,202,000
Other	\$ 42,000
Total Estimated Cost \$	6,412,000
 Allocation thru FY 2008	 \$ 113,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 3,200,000
Balance to Complete after 2010	\$ 855,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Execute a Project Partnership Agreement, complete design and initiate construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY2012, contingent upon funding.

OTHER INFORMATION: The project will defragment over 50 miles of river, restore lotic flow conditions, restore riverine habitat, allow for summer and spawning fish migrations, improve sediment transport, improve water quality and further prevent human casualty. The local sponsor is Illinois Department of Natural Resources.

CONGRESSIONAL INTEREST: Lipinski (IL-3)

Division: Great Lakes and Ohio River

District: Chicago

Hoffman Dam, IL

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Indian Ridge Marsh, Chicago, IL

AUTHORIZATION: Section 1135, WRDA 1986 (PL 99-662), as amended

LOCATION: Indian Ridge Marsh covers approximately 145 acres between Lake Calumet and the Calumet River on the southeast side of Chicago.

DESCRIPTION: The Indian Ridge Marsh site was used for the disposal of slag from steel-making operations and dredged materials from the Calumet Harbor and River during the 1970's. Large portions of the marsh were filled with dredge material from disposal activities of the Corps of Engineers. Since then, lower quality wetlands have been reestablished throughout the site. The project will preserve the existing black crown night heron rookery; enhance and naturalize existing aquatic, wetland and woodland areas; create sand prairie, black oak savanna and shrub carr habitats; and protect restored areas while encouraging public access.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Design and Implementation</u>
Estimated Federal Cost	\$ 5,000,000
Estimated Non-Federal Cost	\$ 2,690,000
Cash	\$ 0
Other	\$ 2,690,000
Total Estimated Cost	\$ 7,690,000
Allocation thru FY 2008	\$ 1,318,500
Allocation for FY 2009	\$ 250,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 3,250,000
Balance to Complete after 2010	\$ 181,500
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Execute a Project Partnership Agreement and initiate construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY 2011, contingent upon funding.

OTHER INFORMATION: The project will restore native plant species, improve fish habitat and manage public access through the project area. Restoration will improve water quality and enhance habitat for aquatic and terrestrial resources.

CONGRESSIONAL INTEREST: Jackson (IL-2)

Division: Great Lakes and Ohio River

District: Chicago

Indian Ridge Marsh, IL

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Lake Poygan, WI

AUTHORIZATION: Section 1135 (b), Water Resources Development Act of 1986 (P.L. 99-662), as amended.

LOCATION: Lake Poygan is an impoundment of the Wolf River in Winnebago County in central Wisconsin.

DESCRIPTION: The Corps of Engineers maintains water levels in the Lake through regulation of a series of dams along the Fox River. The Wisconsin Department of Natural Resources requested assistance to participate in an investigation to determine the extent of the Corps' water level management strategy on the depletion of fish and other aquatic habitat within Lake Poygan, Winnebago County, WI. Lake Poygan once provided abundant high quality habitat for waterfowl and other birds, furbearers, and diverse warm water fishery. Much of this habitat has deteriorated in recent years. The existing water level management strategy is being reviewed to determine its role in the degradation. Water levels at Lake Poygan have been managed under the U.S. Army Corps of Engineers' Fox River project since 1872. The project would involve the construction of a breakwall on Lake Poygan, for the purpose of protecting, improving, and restoring fish and other aquatic wildlife habitat.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>
Estimated Federal Cost	\$ 628,500
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 628,500
Allocation thru FY 2008	\$ 447,000
Allocation for FY 2009	\$ 32,000
Recovery Act Allocations as of 31 DEC 09	0
Allocation for FY 2010	\$149,500
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete the Detailed Project Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2010 for Feasibility.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Feingold (WI), Kohl (WI), Petri (WI-06)

Division: Great Lakes and Ohio River

District: Detroit

Lake Poygan, WI

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Presque Isle Regional Sediment Management, OH

AUTHORIZATION: Section 204 of the 1992 Water Resources Development Act (P.L. 102-580), as amended

LOCATION: Presque Isle Peninsula is located on the southern shore of Lake Erie in the Erie, Pennsylvania. The Peninsula is a natural breakwater that forms and protects Erie Harbor, PA, and is home to Presque Isle State Park.

DESCRIPTION: Project to address ecosystem restoration at Presque Isle using dredged material.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	800,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	800,000
Allocation thru FY 2008	\$ 50,000
Allocation for FY 2009	\$ 275,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 300,000
Balance to Complete after FY 2010	\$ 175,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: The budgeted funds will be used to continue work on the detailed project report which presents and evaluates measures, cost estimates, ecological outputs, and identifies the selected ecosystem restoration alternative for beneficially using dredged material.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013 for Feasibility, contingent upon funding

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Dahlkemper (PA-03), Casey (OH), Specter (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Sheldon's Marsh, Lake Erie, OH

AUTHORIZATION: Section 1135 of the Water Resources Development Act of 1986 (P.L. 99-662), as amended

LOCATION: In Erie County, OH approximately 3.1 miles west of the Huron Harbor navigation structure.

DESCRIPTION: The feasibility study will address measures to restore the barrier beach at the state managed Sheldon Marsh Nature Preserve, one of three remaining natural coastal wetlands in Ohio. This is a highly sensitive area with respect to environmental significance of the area related to the fact that it is one of three coastal wetland marshes located on Lake Erie and has been identified as habitat for the Piping Plover, a Federally endangered species.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Study</u>
Estimated Federal Cost \$	400,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	400,000
Allocation thru FY 2008	\$ 74,000
Allocation for FY 2009	\$ 26,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 200,000
Balance to Complete after FY 2010	\$ 100,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Since this study was initiated under the Section 227 authority, we will be addressing the measures which were generated under that authority and modifying the alternatives to account for current conditions. The Section 227 authority provides state-of-the-art coastal shoreline protection by employing innovative or nontraditional protection strategies and advancing coastal storm damage reduction technologies. The Coastal analysis, feasibility phase cost estimates and background environmental studies will also be completed. Plan comparison and a Public Information Session will also occur.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for Feasibility

OTHER INFORMATION: The Ohio Department of Natural Resources is the non-Federal sponsor.

CONGRESSIONAL INTEREST: Kaptur (OH-09), Voinovich (OH), Brown (OH)

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Smokes Creek, Buffalo, NY

AUTHORIZATION: Section 1135 of the Water Resources Development Act of 1986 (P.L. 99-662), as amended

LOCATION: On the south shore of Lake Erie within the city limits of Lackawanna, Erie County, NY.

DESCRIPTION: Current channel configuration has sheet-pile which is not suitable spawning habitat for walleye. Investigating the relocation of a new channel location 2,500 feet south of its present location which would redirect the flow of the lower 3,900 feet of the creek between Lake Erie and the road that once housed an integrated steel facility. Feasibility started in FY 2001.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Study</u>
Estimated Federal Cost \$	500,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	500,000
Allocation thru FY 2008	\$ 163,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 150,000
Balance to Complete after FY 2010	\$ 187,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Pending confirmation of a Federal interest, we will continue with the Feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for Feasibility

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Higgins (NY-27), Gillibrand (NY), Schumer (NY)

Division: Great Lakes and Ohio River

District: Buffalo

Smokes Creek, Buffalo, NY

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Upper Rouge River, Michigan Ave to Rotunda Drive, Wayne County, MI

AUTHORIZATION: Section 1135 (b), Water Resources Development Act of 1986 (PL 99-662), as amended

LOCATION: The Upper Rouge River is located in Wayne County, Michigan.

DESCRIPTION: Wayne County of Michigan has requested the study of a modification of the Federal project at the Rouge River from Michigan Ave to Rotunda Drive for the purpose of improving environmental quality. The project will provide for environmental enhancement of the Rouge River channel by partial removal of the existing concrete lining, widening of the river channel / cross section, and landscaping the banks with new shrubs, trees, grasses, etc. This restoration project is in keeping with the vision of the Rouge River Gateway Partnership and their Master Plan.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	
Estimated Federal Cost	\$ 529,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 529,000
Allocation thru FY 2008	\$ 401,000
Allocation for FY 2009	\$ 78,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete the Detailed Project Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2010 for Feasibility

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Cheeks-Kilpatrick (MI-13), Dingell (MI-15)

Division: Great Lakes and Ohio River

District: Detroit

Upper Rouge River, MI

FACT SHEET
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Wynn Road Regional Sediment Management, OH

AUTHORIZATION: Section 204 of the 1992 Water Resources Development Act (P.L. 102-580), as amended.

LOCATION: City of Oregon in Lucas County adjacent to City of Toledo, OH on the Western end of Lake Erie.

DESCRIPTION: Feasibility Study will evaluate alternatives for beneficially using dredged material from Maumee Harbor.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010</u> <u>Study</u>
Estimated Federal Cost \$	1,022,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	1,022,000
Allocation thru FY 2008	\$ 495,000
Allocation for FY 2009	\$ 77,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 450,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: The funds will be used to continue work on the detailed project report which presents and evaluates measures, cost estimates, ecological outputs, and identifies the selected ecosystem restoration alternative for beneficially using dredged material.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for Feasibility

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Kaptur (OH-09), Voinovich (OH), Brown (OH)

ENVIRONMENTAL INFRASTRUCTURE

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Beaver Creek Reservoir, Clarion County (Section 219), PA

AUTHORIZATION: Section 219, Water Resources Development Act (WRDA) of 1992, P.L. 102-580, as amended by Section 5158, WRDA 2007, P.L. 110-114, subparagraph 238

LOCATION: The Beaver Creek Dam project involves the construction of a dam and water filtration plant located on Beaver Creek in Beaver and Salem Townships, Clarion County, PA

DESCRIPTION: Clarion County Commissioners and the Clarion County Economic Development Corporation have been working on a project to provide reliable water supply for a Keystone Opportunity Zone industrial park in Beaver Township. Development potential of the industrial park is constrained by the lack of a reliable, clean water supply. Local officials have proposed a multi-purpose reservoir for water supply and recreation. Local information on the proposed reservoir project indicates that over 800 acres of land surrounding the proposed 85-acre reservoir site has been purchased, and the local stakeholders have already completed a design for the dam.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost \$	3,000,000
Estimated Non-Federal Cost \$	1,000,000
Cash	TBD
Other	TBD
Total Estimated Cost \$	4,000,000
 Allocation thru FY 2008	 \$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocation as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 2,900,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: \$100,000 will be used to prepare a Letter Report, execute a design agreement and update the project cost estimate.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for letter report

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Casey (PA), Specter (PA), Thompson (PA-5)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Calumet Region, IN

AUTHORIZATION: Section 219f(12) of P.L. 102-580, WRDA 1992, as amended. For amendments, see Section 502 of P.L. 106-53, WRDA 1999; Section 145 of P.L. 108-137, Energy and Water Resources Appropriation Act, 2004; and Section 5075 of P.L. 110-114, WRDA 2007

LOCATION: Benton, Jasper, Lake, Newton, and Porter Counties, in the State of Indiana.

DESCRIPTION: This project will provide technical planning, design and construction to non-federal interests who have environmental infrastructure needs in Benton, Jasper, Lake, Newton, and Porter Counties, IN. These needs include development of wastewater treatment and related facilities and water supply, treatment, and distribution.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Construction</u>
Estimated Federal Cost	\$	100,000,000
Estimated Non-Federal Cost	\$	33,000,000
Cash	\$	31,350,000
Other	\$	1,650,000
Total Estimated Cost	\$	133,000,000
Allocation thru FY 2008	\$	15,263,000
Allocation for FY 2009	\$	2,500,000
Recovery Act Allocations as of 31 DEC 09	\$	0
Allocation for FY 2010	\$	4,000,000
Balance to Complete after 2010	\$	78,237,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Complete construction on Gary 2 sub-project. Execute Project Partnership Agreement and award construction contracts on Whiting, Chesterton 2, and East Chicago sub-projects. Complete design on Lake County, Crown Point and the Town of Griffith.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction on Whiting, Chesterton 2 and East Chicago by FY2011.

OTHER INFORMATION: WRDA 2007, Section 5075 authorizes credits for the planning and design work carried out by the non-Federal sponsor for the project before the date of the PPA and increases the total authorized cost from \$30,000,000 to \$100,000,000.

CONGRESSIONAL INTEREST: Visclosky (IN-1)

1 February 2010

1 February 2010

LRD - 96

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Central WV Environmental Infrastructure

AUTHORIZATION: Section 571 of the Water Resources Development Act (WRDA) of 1999; as amended by Section of 5155 of WRDA 2007

LOCATION: Eighteen counties within the WV 2nd Congressional District.

DESCRIPTION: The program includes design and/or construction assistance for environmental infrastructure projects proposed by local entities, including wastewater treatment and related facilities, water supply and related facilities, and surface water resource protection and development. The process for selecting projects is administered by the Corps and the West Virginia Infrastructure and Jobs Development Council (WVIJDC).

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 20,000,000
Estimated Non-Federal Cost	\$ 6,667,000
Cash	\$ 6,667,000
Other	\$ 0
Total Estimated Cost	\$ 26,667,000
Allocation thru FY 2008	\$ 7,050,000
Allocation for FY 2009	\$ 1,435,000
Recovery Act Allocations as of 31 DEC 09	\$ 3,565,000
Allocation for FY 2010	\$ 727,000
Balance to Complete after FY 2010	\$ 7,223,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used to continue design and/or construction activities for selected projects and those newly selected in cooperation with the WVIJDC.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: On-going.

OTHER INFORMATION: This is a reimbursable program.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Capito (WV-02)

Division: Great Lakes and Ohio River District: Huntington Central West Virginia Environmental
Infrastructure, WV

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Cook County Environmental Infrastructure, IL

AUTHORIZATION: Section 219(f)(54) of P.L. 102-580, WRDA 1992, as amended. For amendments, see Section 1(a)(4) of P.L. 106-554, Consolidated Appropriations Act of 2001, which enacted H.R. 5666, in part, as introduced on December 15, 2000. Chapter 6, Division B, Title I, Section 108 of H.R. 5666 amended Section 219 of WRDA 1992 to include authorization for this project. See also Section 142 of the P.L. 108-137, Energy and Water Resources Appropriation Act, 2004.

LOCATION: Cook County, IL

DESCRIPTION: This program provides technical planning, design and construction assistance to non-federal interests who have environmental infrastructure needs in Cook County, IL. Currently the projects identified applicable to this authorization are Calumet Park, Flossmoor, Brookfield Zoo, Chicago Heights, Berwyn, LaGrange Park, Countryside and Olympia Fields.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost \$	35,000,000
Estimated Non-Federal Cost \$	11,666,000
Cash \$	11,666,000
Other \$	0
Total Estimated Cost \$	46,666,000
Allocation thru FY 2008	\$ 1,881,000
Allocation for FY 2009	\$ 120,000
Recovery Act Allocations as of 31 DEC 09	\$ 400,000
Allocation for FY 2010	\$ 194,000
Balance to Complete after 2010	\$ 32,405,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete water system improvements construction in Flossmoor. Complete design and initiate construction for La Grange Park and Berwyn water and sewer-related repairs. Continue coordination on storm retention system maintenance in the Village of Olympia Fields construction. Initiate studies where other known deficiencies exist in other Cook County communities, such as LaGrange Park, and Olympia Fields.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction of Flossmoor sub-project by end of FY2010.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Lipinski (IL-3), Jackson, Jr. (IL-2)

Division: Great Lakes and Ohio River District: Nashville Cumberland County Water Supply, TN

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Cumberland County Water Supply, TN

AUTHORIZATION: Section 219 of Water Resources Development Act of 1992, as amended by Section 502(24) of the Water Resources Development Act of 1999.

LOCATION: Cumberland County is located in middle Tennessee.

DESCRIPTION: Because of rapid growth on the Cumberland Plateau of Tennessee, water demand is projected to exceed the supply. State of Tennessee and Cumberland County have requested technical assistance in identifying and developing reliable regional sources of municipal and industrial water supply.

<u>SUMMARIZED FINANCIAL DATA</u>		<u>FY 2010 Construction</u>
Estimated Federal Cost	\$	5,000,000
Estimated Non-Federal Cost	\$	1,667,000
Cash		TBD
Other		TBD
Total Estimated Cost	\$	6,667,000
Allocation thru FY 2008	\$	370,409
Allocation for FY 2009	\$	191,000
Recovery Act Allocations as of 31 DEC 09	\$	0
Allocation for FY 2010	\$	50,000
Balance to Complete after FY 2010	\$	4,388,591
Benefit to Cost Ratio @ 7%		TBD

FY 2010 ACTIVITIES: Complete a letter report that will include National Environmental Policy Act requirements, a needs analysis, a water availability assessment and will initiate alternative formulation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete Planning, Engineering, and Design in FY 2011, contingent upon funding.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Davis (TN-04), Alexander (TN), Corker (TN)

Division: Great Lakes and Ohio River

District: Detroit

Genesee County, MI

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Genesee County, MI

AUTHORIZATION: Section 219(f)(59), Water Resources Development Act of 1992 (P.L. 102-580), as amended by Section 108(d), Appendix D, Consolidated Appropriations Act 2001 (P.L. 106-554)

LOCATION: Genesee County is located in southeastern Michigan.

DESCRIPTION: The project involves the design and construction of improvements to the sewer infrastructure for the county. The existing wastewater collection and treatment infrastructure has reached its planned capacity. The Genesee County Drain Commission desires to design and construct a Kearsley Creek Interceptor sewer system in southeast Genesee County to increase the system capabilities.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost \$	6,700,000
Estimated Non-Federal Cost \$	1,675,000
Cash \$	1,675,000
Other	\$ 0
Total Estimated Cost \$	8,375,000
Allocation thru FY 2008 \$	1,416,000
Allocation for FY 2009	\$ 607,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 518,000
Balance to Complete after FY 2010	\$ 4,159,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete 100% design for the Kearsley Creek Interceptor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for design completion.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Kildee (MI-9), Miller (MI-10), Rogers (MI-8)

FACT SHEET
Construction
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Indiana Shoreline, IN

AUTHORIZATION: Section 501(a), WRDA 1986 (P.L. 99-662), as amended

LOCATION: The Indiana Dunes National Lakeshore is located on the shore of Lake Michigan in Lake County, Indiana and is owned by the National Park Service.

DESCRIPTION: The project attempts to mitigate littoral drift losses and erosion caused by the Michigan City Harbor structures. The area immediately downdrift of the harbor between Michigan City and the existing revetment at Beverly Shores, IN comprises the Indiana Dunes National Lakeshore (Mt Baldy). As mitigation for littoral drift losses and erosion resulting from the harbor structures, the Corps will truck sand from an approved inland source to place along the shoreline. The authorized project includes initial beach nourishment of 264,500 cubic yards of material and periodic nourishment of 264,500 cubic yards of material at five-year intervals for 50 years.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost \$	184,000,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost \$	184,000,000
Allocation thru FY 2008	\$ 13,730,000
Allocation for FY 2009	\$ 1,600,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 800,000
Balance to Complete after 2010	\$ 167,870,000
Benefit to Cost Ratio @ 7%	2.5

FY 2010 ACTIVITIES: Complete additional sand placement along the shoreline.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: The construction is being completed at 100% Federal expense.

CONGRESSIONAL INTEREST: Visclosky (IN-1), Lugar (IN), Bayh (IN)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Negaunee, MI

AUTHORIZATION: Sec. 219(f)(60), Water Resources Development Act of 1992 (PL 102-580), as amended by Section 108(d), Appendix D, Consolidated Appropriations Act 2001 (PL 106-554)

LOCATION: The City of Negaunee is located in the Upper Peninsula of Michigan in Marquette County.

DESCRIPTION: The project involves the design and construction of improvements to the sewer infrastructure for the city of Negaunee, including sewer replacements throughout the city and the construction of a sewer transmission main from Negaunee to the city of Ishpeming, Michigan.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost \$	10,000,000
Estimated Non-Federal Cost \$	3,333,000
Cash \$	3,333,000
Other	\$ 0
Total Estimated Cost \$	13,333,000
Allocation thru FY 2008	\$ 1,302,275
Allocation for FY 2009	\$ 478,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 727,000
Balance to Complete after FY 2010	\$ 7,492,725
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete construction of Cliff St. sewer replacement and initiate construction of transmission main to Ishpeming, MI.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for construction of current on-going projects.

OTHER INFORMATION: City of Negaunee is currently designing a transmission line under separate agreement. Sewer replacements have been completed at Ann Street, Teal Street, Water Street, and Ridge Street. A new pump station was constructed at Cambria Street.

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Stupak (MI-1)
1 February 2010 LRD – 102

Division: Great Lakes and Ohio River

District: Detroit

Negaunee, MI

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Northern West Virginia Environmental Infrastructure, WV

AUTHORIZATION: Section 219 of the Water Resources Development Act (WRDA) of 1992 (PL 102-580); as amended by Section 5158 of WRDA 2007 (PL 110-114)

LOCATION: The project area consists of twenty counties in northern WV.

DESCRIPTION: The program provides for design and construction assistance for water and wastewater infrastructure. This includes projects for wastewater treatment, water supply, surface water resource protection and development, and environmental restoration.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Construction</u>
Estimated Federal Cost	\$	20,000,000
Estimated Non-Federal Cost	\$	6,667,000
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	26,667,000
Allocation thru FY 2008		\$ 0
Allocation for FY 2009		\$ 0
ARRA Allocation thru 31 Dec 2009		\$ 0
Allocation for FY 2010		\$ 100,000
Balance to Complete after FY 2010		\$ 19,900,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Initiate the program and coordinate selection of new projects.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Mollohan (WV-1)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Ohio Environmental Assistance Program

AUTHORIZATION: Section 594 (g) of Water Resources Development Act (WRDA) 1999 (P.L. 106-53), as amended by Section 130 of the Energy and Water Development Appropriations Act of 2006 (P.L. 109-103), and Section 3128 of WRDA 2007.

LOCATION: Various communities and municipalities throughout the State of OH.

DESCRIPTION: Program includes design and/or construction assistance for environmental infrastructure projects. The program focus is on water and wastewater treatment, combined sewer overflow problems, water supply and storage and relate facilities, mine drainage, environmental restoration, and surface water resource protection and development. Reimbursable projects are allowed.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$ 240,000,000
Estimated Non-Federal Cost	\$ 80,000,000
Cash	\$ 80,000,000
Other	\$ 0
Total Estimated Cost	\$ 320,000,000
Allocation thru FY 2008	\$ 71,553,000
Allocation for FY 2009	\$ 21,000,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 5,000,000
Balance to Complete after FY 2010	\$ 142,447,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used for design and/or construction activities for named projects: City of Mentor-on-the Lake (\$250,000); City of Parma, OH – Bradenton Blvd. (\$200,000) and Parkhaven Drive (\$200,000); Lake County (\$250,000); Toledo (\$600,000); Village of Rising Sun (\$200,000); City of Hillsboro (\$200,000); City of Marietta (\$250,000); Fresno/Coshocton County (\$200,000); Niles (\$1,600,000); Village of Blanchester (\$200,000); Village of Coalton (\$250,000); Village of Dalton (\$200,000); Village of Oak Hill (\$200,000); and Village of Polk (\$200,000).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Phases ongoing.

OTHER INFORMATION: Annual appropriations address environmental issues for named projects only. To date a total of 115 projects have been named and are completed or underway throughout the four Corps districts.

CONGRESSIONAL INTEREST: Voinovich (OH), Brown (OH); Ohio delegation – 18 districts

Division: Great Lakes and Ohio River

District: Huntington

Ohio Environmental
Infrastructure, OH

Project Name	Funding Amount (in thousands)	USACE District
City of Mentor-On-The-Lake, OH	250	LRB
City of Parma, OH (Brandenton Blvd)	200	LRB
City of Parma, OH (Parkhaven Drive)	200	LRB
Lake County, OH	250	LRB
Toledo, OH	600	LRB
Village of Risingsun, Wood County, OH	200	LRB
Village of Polk, Ashland County, OH	200	LRB
City of Parma, OH (Parkhaven Drive)	200	LRB
City of Hillsboro, OH	200	LRH
City of Marietta, OH (WWTP)	250	LRH
Fresno, Coshocton County, OH	200	LRH
Village of Coalton, Jackson County, OH (water line)	250	LRH
Village of Dalton, OH	200	LRH
Village of Oak Hill, Jackson County, OH	200	LRH
Village of Blanchester, Clinton County, OH	200	LRL
Niles, OH (Lawnview Sewer Overflow Detention Basin)	1,600	LRP
Total FY 2010 Funding	5,000	

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: South Central Pennsylvania, PA (Section 313)

AUTHORIZATION: Sec 313 of Water Resources Development Act (WRDA) of 1992 (P.L. 102-580); Sec107 of the Energy and Water Resources Appropriations Act (E&WDAA), 1996; Sec 345 of Water Resources Act of 1996 (P.L. 104-303); E&WDAA, 1998 (P.L. 105-62) and 1999 (P.L. 105-245); Omnibus Consolidated Appropriations Act, 1999; Sec 351 and 548 of WRDA 99 (P.L. 106-53); Sec 101 of FY 2005 Consolidated Appropriations Act (P.L. 108-447), Sec 3143 of WRDA 2007 (P.L. 110-114).

LOCATION: The program consists of a 15 county area in South Central PA

DESCRIPTION: The program involves design and construction of projects for wastewater treatment and related facilities, water supply, storage treatment and distribution facilities, and surface water resource protection and development. This program is shared with Baltimore (NAB) and Philadelphia (NAP) Districts.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>	
Estimated Federal Cost	\$	200,000,000
Estimated Non-Federal Cost	\$	66,667,000
Cash		TBD
Other		TBD
Total Estimated Cost	\$	266,667,000
Allocation thru FY 2008	\$	154,557,475 /1
Allocation for FY 2009	\$	12,500,000 /1
ARRA Allocation thru as of 31 DEC 2009	\$	8,550,000 /2
Balance to Complete after FY 2010	\$	13,604,525
Benefit to Cost Ratio @ 7%		N/A

/1 Program shared between LRP (\$81,828,925), NAB (\$85,928,550), and NAP (\$7,850,000).

/2 Split between LRP and NAB for FY10: LRP (\$6,900,000), NAB (\$3,888,000).

FY 2010 ACTIVITIES: Execute Project Partnership Agreements for newly identified projects; complete design and/or construction for 24 on-going projects.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Varies by individual project.

OTHER INFORMATION: Section 3143 of WRDA 2007 increased authorization to \$200,000,000. Program ceiling will be approached by end of FY 2010.

CONGRESSIONAL INTEREST: Casey (PA), Specter (PA), Dalkemper (PA-3), Altmire (PA-4), Shuster (PA-9), Murtha (PA-12), Doyle (PA-14), Murphy (PA-18)

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Southern & Eastern Kentucky Environmental Infrastructure, KY

AUTHORIZATION: Section 531 of WRDA 1996 (PL 104-303), as amended by Section 532 of WRDA 1999 (PL 106-53); amended by Section 127 of EWDA 2003, Div. D (PL 108-7); amended by Section 5078 of WRDA 2007 (PL 110-114).

LOCATION: Project comprises a 29 county region in southern and eastern KY.

DESCRIPTION: Program includes design and/or construction assistance for environmental infrastructure projects. The focus is on wastewater treatment and collection systems and environmental restoration in cooperation with KY Personal Responsibility in a Desirable Environment (PRIDE).

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 40,000,000
Estimated Non-Federal Cost	\$ 13,333,333
Cash	\$ 13,333,333
Other	\$ 0
Total Estimated Cost	\$ 53,333,333
Allocation thru FY 2008	\$ 27,078,000
Allocation for FY 2009	\$ 2,000,000
Recovery Act Allocations as of 31 DEC 09	\$ 1,000,000
Allocation for FY 2010	\$ 969,000
Balance to Complete after FY 2010	\$ 8,953,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funding will be used to continue infrastructure improvements for projects which will be newly selected in cooperation with KY PRIDE.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: On-going.

OTHER INFORMATION: This is a reimbursable program.

CONGRESSIONAL INTEREST: Bunning (KY), McConnell (KY), Rogers (KY-05)

Division: Great Lakes and Ohio River

District: Huntington

Southern & Eastern Kentucky
Environmental Infrastructure, KY

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Southern WV Environmental Infrastructure

AUTHORIZATION: Section 340 of Water Resource Development Act (WRDA) 1992 (PL 102-580), as amended by Section 359 of PL 104-303; Section 368 of PL 106-53; Section 550 of PL 106-541; and Section 5156 of WRDA 2007 (PL 110-114)

LOCATION: Seventeen counties within the WV 3rd Congressional district.

DESCRIPTION: Program provides for design and/or construction assistance for environmental infrastructure and resource protection and development, including projects for wastewater treatment, water supply, surface water resource protection and development, and environmental restoration. Process for selecting projects is administered by the Corps and the West Virginia Infrastructure and Jobs Development Council (WVIJDC).

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 40,000,000
Estimated Non-Federal Cost	\$ 13,333,000
Cash	\$ 13,333,000
Other	\$ 0
Total Estimated Cost	\$ 53,000,000
Allocation thru FY 2008	\$ 19,213,000
Allocation for FY 2009	\$ 789,000
Recovery Act Allocations as of 31 DEC 09	\$ 4,789,000
Allocation for FY 2010	\$ 1,000,000
Balance to Complete after FY 2010	\$ 14,209,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used to continue design and/or construction activities for selected projects and those newly selected in cooperation with the WVIJDC.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: On-going.

OTHER INFORMATION: This project is a reimbursable program.

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV); Rahall (WV-03).

Division: Great Lakes and Ohio River

District: Huntington

Southern West Virginia
Environmental Infrastructure, WV

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Three Rivers Wet Weather Demonstration Program, Allegheny County, PA

AUTHORIZATION: Section 219, WRDA 1992 (P.L. 102-580); as amended by Section 504, WRDA 1996 (P.L. 104-303); as amended by Section 502, WRDA 1999 (P.L. 106-53) and Section 108, (P.L. 106-554)

LOCATION: Allegheny County, PA, has over 80 communities with sanitary sewer systems that overflow raw sewage into streams and rivers during wet weather. The 200 square mile service area contains a population of approximately 850,000.

DESCRIPTION: Projects consist of technical, planning, design, and construction assistance to the Three Rivers Wet Weather Demonstration Program (3RWWDP). The 3RWWDP is a partnership of regulatory agencies, municipalities, governments and environmental groups working to develop solutions to eliminate sanitary sewer overflows. Assistance is provided to priority areas of the county, which are under a Commonwealth of Pennsylvania court order to eliminate sanitary sewer overflows.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$20,000,000
Estimated Non-Federal Cost	\$ 6,667,000
Cash	TBD
Other	TBD
Total Estimated Cost	\$26,667,000
Allocation thru FY 2008	\$ 3,344,000
Allocation for FY 2009	\$ 400,000
Recovery Act Allocation as of 31 DEC 2009	\$ 7,250,000
Allocation for FY 2010	\$ 969,000
Balance to Complete after FY 2010	\$ 8,037,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: \$969,000 will be used to complete the design and start construction for the combined sewer overflow (CSO) project at Pine Hollow Run.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for completion of construction at Pine Hollow Run.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Casey (PA), Specter (PA), Doyle (PA-14), Altmire (PA-4), Thompson (PA-5)

Division: Great Lakes and Ohio River District: Pittsburgh Three Rivers Wet Weather Demonstration Program, PA

RECREATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Recreation

PROJECT/STUDY NAME: Northern Kentucky Riverfront Commons, Kentucky

AUTHORIZATION: Committee on Transportation and Infrastructure, United States House of Representatives, Resolution No. 2517, dated May 7, 1997

LOCATION: The communities of Covington, Newport, Bellevue, Dayton, and Ludlow, Kentucky, are located on the Ohio River, directly across from the city of Cincinnati, Ohio, at river mile 470.0.

DESCRIPTION: The project consists of recreation, bank stabilization, and erosion control measures along the Ohio River shoreline. Opportunities for ecosystem restoration will also be evaluated.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 350,000
Estimated Non-Federal Cost	\$ 350,000
Cash	\$ 325,000
Credit	\$ 25,000
Total Estimated Cost	\$ 700,000
Allocation thru 2008	\$ 0
Allocation for FY 2009	\$ 96,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 112,000
Balance to Complete after FY 2010	\$ 142,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Continuation of feasibility study including initiation of identification of potential alternative plans.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for feasibility.

OTHER INFORMATION: A Master Plan and 905(b) Analysis was completed for the project in March 2007, and included the communities of Newport, Bellevue, and Covington. Two additional communities: Ludlow and Dayton will be included in the feasibility study. The non-federal sponsor will be the Northern Kentucky Port Authority.

CONGRESSIONAL INTERESTS: McConnell (KY), Bunning (KY), Davis (KY-4)

Division: Great Lakes and Ohio River

District: Louisville
Kentucky Riverfront Commons, KY

Northern
Kentucky Riverfront Commons, KY

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Recreation

PROJECT/STUDY NAME: Ohio Riverfront, Cincinnati, Ohio

AUTHORIZATION: Section 5116 of Water Resources Development Act 2007 (P.L. 110-114)

LOCATION: The limits of the project are in the city of Cincinnati, located in southwest Ohio along Ohio River Mile 470.0.

DESCRIPTION: The project area includes access and passive recreation features such as walkways/trails, stairways, an elevator, restroom facilities, fountains, informal grass terraces, landscaping, lighting, and water features. The project objective is to enhance public use of the recreational and environmental amenities of the Ohio River.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 15,000,000
Estimated Non-Federal Cost	\$ 15,000,000
Cash	\$ 7,500,000
Other	\$ 7,500,000
Total Estimated Cost	\$ 30,000,000
Allocation thru FY 2008	\$ 3,105,000
Allocation for FY 2009	\$ 2,871,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 2,374,000
Balance to Complete after FY 2010	\$ 6,650,000
Benefit to Cost Ratio Applicable Rate (4.625%)	5.0

FY 2010 ACTIVITIES: Carry-over funds in the amount of \$2,884,777 and FY10 funds will be used to award a construction contract for the first phase of the project, to complete plans and specifications for Phase 2, and to award a second construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 for construction, contingent upon funding.

OTHER INFORMATION: The Project Partnership Agreement (PPA) will be executed with the non-Federal sponsor once the PPA is approved.

CONGRESSIONAL INTERESTS: Voinovich (OH), Brown (OH), Driehaus (OH-1), Schmidt (OH-2)

Division: Great Lakes and Ohio River District: Louisville Ohio Riverfront, Cincinnati, OH

OPERATION AND MAINTENANCE

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Arcadia Harbor, MI

AUTHORIZATION: Rivers and Harbors Act of 2 Mar 1905.

LOCATION: Located on the east shore of Lake Michigan, 193 miles northeast of Chicago, IL and 15 miles north of Manistee, MI.

DESCRIPTION: Shallow draft harbor with 1,100 feet of Federal channel maintained at 8 feet, and more than 2,400 feet of maintained piers.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 105,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 99,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds were allocated as part of the Michigan Regional dredging provision (Arcadia was specifically named). Funds will be used for completion of project condition surveys, preparing plans and specifications, advertising and awarding a contract to perform maintenance dredging.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: All work is scheduled to be completed during FY2010.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Hoekstra (MI-2)

Division: Great Lakes and Ohio River

District: Detroit

Arcadia Harbor, MI

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Ashland Harbor, WI

AUTHORIZATION: Rivers and Harbors Act of 5 Aug 1886, as amended.

LOCATION: Located at the head of Chequamegon Bay, on the south shore of Lake Superior, about 65 miles east of Duluth, MN.

DESCRIPTION: Deep draft commercial harbor with over one mile of Federal channel maintained between 20 and 27 feet of depth, and nearly 8,000 feet of maintained breakwaters.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 913,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used for completion of project condition surveys, preparing plans and specifications, advertising and awarding a contract to perform maintenance dredging, and structural repairs of breakwaters by Government floating plant.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: All work is scheduled to be completed during FY2010.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Feingold (WI), Kohl (WI), Obey (WI-7)

Division: Great Lakes and Ohio River

District: Detroit

Ashland Harbor, WI

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Cornucopia Harbor, WI

AUTHORIZATION: Rivers and Harbors Act of 26 Aug 1937, 3 Sep 1954.

LOCATION: Located at the mouth of the Siskiwit River on the south shore of Lake Superior, 49 miles east of Duluth, MN.

DESCRIPTION: Shallow draft harbor with 2,000 feet of Federal channel maintained between 8 and 10 feet and more than 1,500 feet of maintained piers.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 171,270
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Pending receipt of guidance, funds will be used for a review of the completed project (IAW Section 216 of the River and Harbor and Flood Control Act of 1970) for possible modifications due to changed conditions.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2010 for initial assessment for review of completed project.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Feingold (WI), Kohl (WI), Obey (WI-7)

Division: Great Lakes and Ohio River

District: Detroit

Cornucopia Harbor, WI

FACT SHEET
OPERATION AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Recreation

PROJECT/STUDY NAME: J. Percy Priest Greenway, TN

AUTHORIZATION: Sec. 5132, Water Resources Development Act (WRDA) of 2007, (P.L. 110-114); Sec. 121, Energy and Water Development and Related Agencies Appropriations Act, 2010 (P. L. 111-85).

LOCATION: Murfreesboro, Tennessee

DESCRIPTION: To construct a trail system at the J. Percy Priest Dam and Reservoir, Tennessee and adjacent public property.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 10,300,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 10,300,000
Allocation thru FY 2008	\$ 480,000
Allocation for FY 2009	\$ 600,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 3,465,000
Balance to Complete after FY 2010	\$ 5,755,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: WRDA Implementation Guidance is under development and will be integrated into the implementation of this project upon finalization.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Plans and Specs complete in FY 2012.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Gordon (TN-06)

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Kewaunee Harbor, WI

AUTHORIZATION: Rivers and Harbors Acts of 1881,1910, 1935, and 1960.

LOCATION: Located on the west shore of Lake Michigan about 105 miles from Green Bay, via the Sturgeon Bay Harbor and Lake Michigan Canal.

DESCRIPTION: Deep draft commercial harbor with approximately 5,500 feet of Federal channel maintained at 20 feet deep. There are also approximately 6,500 feet of maintained structures, including breakwaters and piers.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 80,000
Recovery Act Allocations as of 31 DEC 09	\$ 1,402,031
Allocation for FY 2010	\$ 424,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used to complete structural repairs of breakwaters and piers by Government floating plant.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Feingold (WI), Kohl (WI), Kagen (WI-8)

Division: Great Lakes and Ohio River District: Detroit

Kewaunee Harbor, WI

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Menominee Harbor, MI & WI

AUTHORIZATION: Rivers and Harbors Act of 3 Mar 1871, as amended

LOCATION: Located on Lake Michigan at the mouth of the Menominee River on the western shore of Green Bay, 16 miles northwest of the mouth of Sturgeon Bay and 49 miles northeast of Green Bay Harbor, about 155 miles from Milwaukee via Sturgeon Bay Harbor and the Lake Michigan Ship Canal.

DESCRIPTION: Deep draft commercial harbor with over 2 miles of Federal channel maintained at 21 to 23 feet of depth, and more than 3,700 feet of maintained piers.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 2009	\$ 0
Allocation for FY 2010	\$ 117,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds were allocated as part of the Michigan Regional dredging provision (Menominee was specifically named). However, Menominee Harbor does not currently have a maintenance dredging need; therefore, a reprogramming action into another harbor is recommended.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: There is a need for \$233,000 for navigation structure repairs and project condition surveys at Menominee Harbor which has been previously identified.

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Feingold (WI), Kohl (WI), Stupak (MI-1), Kagen (WI-8)

Division: Great Lakes and Ohio River District: Detroit

Menominee Harbor, MI & WI

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: New Buffalo Harbor, MI

AUTHORIZATION: Rivers and Harbors Act of 1962

LOCATION: Located at the mouth of the Galien River on the southeast shore of Lake Michigan, about 45 miles east of Chicago, IL.

DESCRIPTION: Shallow draft harbor with approximately 2,100 feet of Federal channel maintained at 8 and 10 feet and more than 2,000 feet of maintained breakwaters.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds were allocated as part of the Michigan Regional dredging provision (New Buffalo was specifically named). Funds will be used for completion of project condition surveys, preparing plans and specifications, advertising and awarding a contract to perform maintenance dredging.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Upton (MI-6)

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Ogdensburg Harbor, NY

AUTHORIZATION: River & Harbor Acts of 1910 (P.L. 60-317), 1919 (P.L. 65-200) and 1935 (P.L. 74-409)

LOCATION: Located on the St. Lawrence River, at the mouth of the Oswegatchie River, in Ogdensburg, St. Lawrence County, NY.

DESCRIPTION: Ogdensburg Harbor is a deep draft commercial harbor whose authorized depths are 19 feet in the upper entrance channel and city front channel, 21 feet in the lower basin and 27 feet in the lower entrance channel. This active commercial harbor shipped/received 103,000 tons of commodities including road salt and corn gluten in 2007. Major stakeholders include U.S Coast Guard, Ogdensburg Bridge and Port Authority, commercial shipping interests and the recreational boating community.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$0
Recovery Act Allocations as of 31 December 09	\$0
Allocation for FY 2010	\$70,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Perform sediment sampling and analysis in preparation for maintenance dredging.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Completion of the sediment sampling and analysis activities scheduled will occur in FY 2010.

OTHER INFORMATION: The harbor sediments have not been tested since 1981, but were not suitable for open water placement when last analyzed. Dredging would be problematic unless sediments are tested and found suitable for open water placement.

CONGRESSIONAL INTEREST: Owens (NY-23), Schumer (NY), Gillibrand (NY)

Division: Great Lakes and Ohio River

District: Buffalo

Ogdensburg Harbor, NY

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Olcott Harbor, NY

AUTHORIZATION: River & Harbor Acts of 1867 and 1913 (P.L. 62-241) and Water Resources Development Act of 1986 (P.L. 99-662)

LOCATION: Located on Lake Ontario at the mouth of Eighteen Mile Creek in the Village of Olcott, Niagara County, NY.

DESCRIPTION: Olcott Harbor is a shallow draft recreation harbor whose authorized depth is 12 feet in the Federal navigation channel, which is 140 feet wide and approximately 1,400 feet long. This Harbor of Refuge is protected by the east and west piers with a total length of 1,723 feet. Major stakeholders include charter fishing interests and the recreational boating community.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 0
Recovery Act Allocations as of 31 December 09	\$ 0
Allocation for FY 2010	\$ 197,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Perform minor pier repair on spalled surfaces to address public safety issues associated with the deterioration of the walking surface on the concrete cap, including addition of safety ladders and removal of miscellaneous metalwork embedded in the concrete cap. Anticipate contract award in FY 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Completion of the pier repair activities is scheduled to occur in FY 2010.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Slaughter (NY-28), Schumer (NY), Gillibrand (NY)

Division: Great Lakes and Ohio River

District: Buffalo

Olcott Harbor, NY

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Recreation

PROJECT/STUDY NAME: Parkersburg Riverfront Park, WV

AUTHORIZATION: Water Resources Development Act (WRDA) 1999 (P.L. 106-53), Section 557 (1), as amended by WRDA 2007 (P.L. 110-114), Section 3172.

LOCATION: The proposed park is located just upstream of the confluence of the Little Kanawha River and Ohio River (River Mile 184.5) in Parkersburg, Wood County, West Virginia.

DESCRIPTION: The project consists of an expanded excursion boat landing, a 1,200-foot long riverwall with a 20-foot wide esplanade, amphitheater, restrooms, open seating areas, picnic areas, a handicap accessible fishing pier, and a walking trail. Additional parking for automobiles and tour buses is also planned.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>O&M</u>	
Estimated Federal Cost	\$ 6,000,000	
Estimated Non-Federal Cost	\$ 6,000,000	
Cash	\$ 5,900,000	
Other	\$ 100,000	
Total Estimated Cost	\$ 12,000,000	
Allocation thru FY 2008	\$ 1,789,000	^{1/}
Allocation for FY 2009	\$ 1,396,000	
Allocation for FY 2010	\$ 2,758,000	
Balance to Complete after FY 2010	\$ 57,000	
Benefit to Cost Ratio @ 7%	N/A	

^{1/} Includes \$805 allocated in the General Investigations Appropriation

FY 2010 ACTIVITIES: Construction of the riverfront park will continue.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 for construction

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Byrd (WV), Rockefeller (WV), Mollohan (WV-01)

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Pentwater Harbor, MI

AUTHORIZATION: Rivers and Harbors Acts of 2 Mar 1867, 3 Mar 1873, 5 Jul 1884, 13 Jul 1982, and 2 Mar 1907.

LOCATION: Located on the east shore of Lake Michigan, 146 miles northeast of Chicago, IL and 14 miles south of Ludington, MI.

DESCRIPTION: Shallow draft harbor, with 2,500 feet of Federal channel maintained at 12 feet, and more than 4,000 feet of maintained piers and revetments.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 127,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds were allocated as part of the Michigan Regional dredging provision (Pentwater was specifically named). However, the dredging of Pentwater Harbor with funds allocated in FY2009 has been deferred at the request of the local community and will now be completed in the spring of 2010. Consequently, additional FY10 funding will not be needed and a reprogramming action into another harbor is recommended.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: All work is scheduled to be completed during FY2010.

OTHER INFORMATION: The Village of Pentwater specifically requested that the FY 2009 maintenance dredging project be deferred until the spring of 2010 because the shoaling in the navigation channel was less severe than originally anticipated. In addition, by deferring the work until the spring of 2010, we may be able to accommodate any shoaling caused by fall and winter storms and include it in the FY 2009 dredging contract.

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Hoekstra (MI-2)

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Presque Isle Harbor, MI

AUTHORIZATION: Rivers and Harbors Acts of 1896, 1902, 1935, and 1960

LOCATION: Located on the south shore of Lake Superior near Marquette, MI.

DESCRIPTION: Deep draft commercial harbor with Federal channel areas maintained at depths of 30 feet in the approach and 28 feet in the inner basin, and more than 2,800 feet of breakwaters.

<u>FY</u>	<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 289,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 318,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used to complete structural repairs of the breakwaters by Government floating plant.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Levin (MI), Stabenow (MI), Stupak (MI-1)

Division: Great Lakes and Ohio River

District: Detroit

Presque Isle Harbor, MI

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Two Harbors Harbor, MN

AUTHORIZATION: Rivers and Harbors Acts of 5 Aug 1885, 30 Aug 1935, 7 Nov 1945, and 14 Jul 1960

LOCATION: Located on the north shore of Lake Superior, 27 miles northeast of Duluth, MN.

DESCRIPTION: Deep draft commercial harbor with approximately 2,500 feet of Federal channel maintained at 28 and 30 feet of depth and more than 2,500 feet of maintained breakwaters.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Operations and Maintenance</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 278,000
Recovery Act Allocations as of 31 DEC 09	\$ 0
Allocation for FY 2010	\$ 333,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used to complete structural repairs of breakwaters by Government floating plant.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Franken (MN), Klobuchar (MN), Oberstar (MN-8)

Division: Great Lakes and Ohio River District: Detroit

Two Harbors Harbor, MN

**MISSISSIPPI VALLEY
DIVISION
ENACTED PROJECTS**

MISSISSIPPI VALLEY DIVISION
ENACTED PROJECTS
TABLE OF CONTENTS

MISSISSIPPI VALLEY DIVISION ENACTED PROJECTS.....	MVD-1
FLOOD AND COASTAL STORM DAMAGE REDUCTION	MVD-5
INVESTIGATIONS	MVD-6
BOSSI ER PARISH, LA	MVD-7
CALCASIEU RIVER BASIN, LA	MVD-8
LOUISIANA COASTAL PROTECTION & RESTORATION, LA (LACPR)	MVD-9
PEARL RIVER WATERSHED, MS	MVD-10
PRAIRIE DU PONT LEVEE AND SANITARY DISTRICT AND FISH LAKE DRAINAGE AND LEVEE DISTRICT, IL.....	MVD-11
RED RIVER OF THE NORTH BASIN, MN, ND, SD & MANITOBA, CANADA	MVD-12
RIVER DES PERES, MO.....	MVD-13
SOUTHWEST COASTAL HURRICANE PROTECTION, LA	MVD-14
ST. CHARLES PARISH URBAN FLOOD CONTROL, LA	MVD-15
UPPER MISSISSIPPI RIVER COMPREHENSIVE PLAN, IL, IA, MN, MO.....	MVD-16
WEST SHORE- LAKE PONTCHARTRAIN, LA	MVD-17
CONSTRUCTION.....	MVD-18
BOIS BRULE DRAINAGE AND LEVEE DISTRICT, MO	MVD-19
BRECKENRIDGE, MN.....	MVD-20
CAPE GIRARDEAU (FLOODWALL), MO.....	MVD-21
COMITE RIVER (DIVERSION) PROJECT, LA.....	MVD-22
DES MOINES AND RACCOON RIVERS, IA.....	MVD-23
EAST BATON ROUGE PARISH, LA	MVD-24
GRAND FORKS, ND – EAST GRAND FORKS, MN	MVD-25
MERAMEC RIVER BASIN, VALLEY PARK LEVEE, MO	MVD-26
NUTWOOD DRAINAGE AND LEVEE DISTRICT, IL.....	MVD-27
RED RIVER BELOW DENISON DAM, AR, LA, & TX.....	MVD-28
ROSEAU, MN	MVD-29
STE. GENEVIEVE, MO	MVD-30
CONTINUING AUTHORITIES PROGRAM.....	MVD-31
BEAR CREEK, STORY COUNTY, ROLAND, IA	MVD-32
CROW RIVER, COUNTY ROAD 50, HENNEPIN COUNTY, MN.....	MVD-33
DES MOINES RIVER, KEOSAUQUA, IA	MVD-34
FARGO, ND – RIDGEWOOD ADDITION	MVD-35
FOX RIVER, KAHOKA, MO	MVD-36
GERMANTOWN, LATERAL D, TN.....	MVD-37
HWY 237, SULPHUR RIVER, MILLER COUNTY, AR	MVD-38
INDIAN CREEK, CEDAR RIVER, CEDAR RAPIDS, IA.....	MVD-39
MCKINNEY BAYOU, TUNICA COUNTY, MS.....	MVD-40

NAVIGATION.....	MVD-41
INVESTIGATIONS	MVD-42
CALCASIEU RIVER AND PASS NAVIGATION, LA.....	MVD-43
PORT OF IBERIA, LA.....	MVD-44
UPPER MISSISSIPPI RIVER – ILLINOIS WATERWAY, NAVIGATION45 AND ECOSYSTEM RESTORATION PROGRAM (NESP), IL, IA, MN, MO, & WI.....	MVD-45
WHITE RIVER NAVIGATION TO NEWPORT, AR (WHITE RIVER NAVIGATION TO BATESVILLE, AR).....	MVD-46
CONSTRUCTION.....	MVD-47
RED RIVER EMERGENCY BANK PROTECTION, AR, LA, OK & TX	MVD-48
OPERATION AND MAINTENANCE	MVD-49
NEW MADRID HAVOR, MILE 889, MO.....	MVD-50
CONTINUING AUTHORITIES PROGRAM.....	MVD-51
PORT OF NEW ORLEANS DREDGING (NAPOLEON AVENUE CONTAINER TERMINAL ACCESS), LA	MVD-52
ENVIRONMENT.....	MVD-53
INVESTIGATIONS	MVD-54
HUMBOLDT, IA	MVD-55
LOWER MISSISSIPPI RESOURCE ASSESSMENT, AR, IL, KY, LA, MS, MO, TN.....	MVD-56
MINNEHAHA CREEK WATERSHED, MN (UPPER MISSISSIPPI RIVER LAKE ITASCA – LOCK AND DAM 2)	MVD-57
PEORIA RIVERFRONT DEVELOPMENT, IL.....	MVD-58
ST. CROIX RIVER BASIN, MN & WI (SUNRISE RIVER WATERSHED STUDY, MN AND ST. CROIX HEADWATERS WATERSHED STUDY, WI)....	MVD-59
ST. CROIX RIVER RELOCATION OF ENDANGERED MUSSELS, MN & WI....	MVD-60
WHITE RIVER BASIN COMPREHENSIVE, AR & MO	MVD-61
WILD RICE RIVER, MN (RED RIVER OF THE NORTH BASIN)	MVD-62
CONSTRUCTION.....	MVD-63
EAST ST. LOUIS AND VICINITY, IL	MVD-64
CONTINUING AUTHORITIES PROGRAM.....	MVD-65
BLACKHAWK BOTTOMS, DES MOINES COUNTY, IA.....	MVD-66
BURAS MARINA, PLAQUEMINES PARISH, LA.....	MVD-67
CALCASIEU RIVER, MILE 5 TO 14, CAMERON PARISH, LA	MVD-68
DRAYTON DAM, ND	MVD-69
EMILY QUON FLOODPLAIN RESTORATION, IL	MVD-70
HOUMA NAVIGATION CANAL, MILE 12 TO 31.4, TERREBONNE PARISH, LA	MVD-71
IOWA RIVER/CLEAR CREEK, JOHNSON COUNTY, IA.....	MVD-72
LAKE KILLARNEY, LOUISIANA STATE PENITENTIARY, LA.....	MVD-73
LOWER CACHE RIVER BASIN RESTORATION, AR.....	MVD-74

MORGANZA FORE-BAY RESTORATION, LA.....	MVD-75
PAINTER CREEK, MN	MVD-76
RUFFY BROOK, CLEARWATER RIVER, MN.....	MVD-77
SAND HILL RIVER, MN.....	MVD-78
SPUNKY BOTTOMS ECOSYSTEM RESTORATION, BROWN COUNTY, IL	MVD-79
ZEMURRAY PARK ECOSYSTEM RESTORATION, LA	MVD-80
HYDROPOWER.....	N/A
WATER SUPPLY.....	MVD-81
INVESTIGATIONS	MVD-82
CROSS LAKE, LA.....	MVD-83
CONSTRUCTION.....	N/A
RECREATION	MVD-84
CONSTRUCTION.....	MVD-85
DES MOINES RECREATIONAL RIVER AND GREENBELT, IA.....	MVD-86
ENVIRONMENTAL INFRASTRUCTURE.....	MVD-87
CONSTRUCTION.....	MVD-88
DESOTO COUNTY, MS	MVD-89
EAST BATON ROUGE PARISH, ENVIRONMENTAL INFRASTRUCTURE, LA.....	MVD-90
MADISON AND ST. CLAIR COUNTIES, IL	MVD-91
MISSISSIPPI (SECTION 592)	MVD-92
NORTH DAKOTA ENVIRONMENTAL INFRASTRUCTURE ASSISTANCE, ND	MVD-93
NORTHEASTERN MINNESOTA, MN	MVD-94
NORTHERN WISCONSIN ENVIRONMENTAL INFRASTRUCTURE, WI.....	MVD-95

FLOOD AND COASTAL STORM DAMAGE REDUCTION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Bossier Parish, LA

AUTHORIZATION: Sec 216, 1970 Flood Control Act, as amended by WRDA 1986

LOCATION: Bossier Parish is located in the northwest corner of Louisiana, east of the Red River.

DESCRIPTION: The study is investigating alternatives to address water resource problems and needs in Bossier Parish, LA. Major streams located in the area include Red Chute Bayou, Bayou Bodcau, Loggy Bayou, Cypress Bayou, Flat River, and the Red River. Bossier Parish is affected by both headwater and backwater flooding.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$1,519,000
Estimated Non-Federal Cost	1,142,000
Cash	(571,000)
Other	(571,000)
Total Estimated Cost	2,661,000
Allocations thru FY 2008	571,000
Allocation for FY 2009	191,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	278,000
Balance to Complete after FY 2010	479,000
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: Funds are being used to continue feasibility studies.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: Reconnaissance studies indicated a Federal interest in pursuing cost-shared feasibility studies. Approximately 101,000 people reside in the 100-year flood plain area. Feasibility studies will include investigations directed at modifying Bayou Bodcau Dam to improve its flood damage reduction capabilities. The FCSA was executed 11 January 2008.

Bayou Bodcau Dam has recently been classified as DSAC III as part of the Corps-wide dam safety initiative. Guidance indicates that the dam must be remediated to DSAC IV prior to any modifications being made to the dam or its functions that increase risk. Such repairs will be part of the study's recommended plan.

CONGRESSIONAL INTEREST: Senate: Vitter and Landrieu (LA); House: Fleming (LA-04)

DISTRICT: Vicksburg

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Calcasieu River Basin, LA

AUTHORIZATION: RHA 22 Dec 44 and 2 Mar 45, HRs 23 Jun 64, 5 Oct 66, 3 Oct 68 and 2 Dec 70

LOCATION: The study area does not encompass all of Calcasieu Parish, but covers only two drainage districts (Gravity Drainage Districts 4 and 5) and also the southwest portion of the city of Lake Charles.

DESCRIPTION: The feasibility study is investigating flood reduction and environmental restoration measures in this part of the Calcasieu River Basin. Possible improvements include but are not limited to: clearing and snagging, channel widening and deepening, retention ponds and pumps. Streams being studied in GDD 4 (west side of Calcasieu River) include W-4, W-5, Hyppolyte Coulee, Black Bayou, Bayou Contraband, W-16, Kayouchee Coulee, and W-15. Streams being studied in GDD5 (east side of Calcasieu River) include Bayou Choupique and Bayou D'Inde.

SUMMARIZED FINANCIAL DATA	FY 2010
Estimated Federal Cost	Study \$1,475,000
Estimated Non-Federal Cost	1,330,000
Total Estimated Cost	\$2,805,000
Allocation thru FY 2008	\$1,230,000
Allocation for FY 2009	\$ 117,000
Allocation for FY 2010	\$ 90,000
Recovery Act Allocations to Date	0
Balance to Complete after FY 2010	\$ 38,000
Benefit to Cost Ratio @7%	N/A

FY 2010 ACTIVITIES: Design the selected plan, complete the environmental assessment, and continue feasibility.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The Calcasieu River Basin study is a traditional flood and coastal storm damage reduction feasibility study to provide drainage improvements to SW Lake Charles, GDD4, and GDD5. Continue coordination with the Calcasieu Parish Police Jury and City of Lake Charles on plan selection. Draft Feasibility Report scheduled for December 2010.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter (LA); House: Boustany (LA-7)

DISTRICT: New Orleans

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Flood and Coastal Storm Damage Reduction

STUDY NAME: Louisiana Coastal Protection and Restoration (LACPR), LA

AUTHORIZATION: E&WD Act of 2006 (P.L. 109-103), 19 Nov 05, and Emergency Supplemental Appropriations Act of 2006, Chapter 3 (P.L.109-148), 30 Dec 05; Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico, and Pandemic Influenza Act of 2006 (P. L. 109-234); 2008 Consolidated Appropriations Act (P.L. 110-161)

LOCATION: The project is located in southern Louisiana.

DESCRIPTION: Funds were provided to conduct a comprehensive hurricane protection analysis and design to develop and present a full range of flood control, coastal restoration, and hurricane protection measures for South Louisiana.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$25,872,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$25,872,000
Allocations thru FY 2008	22,872,000
Allocation for FY 2009	0
Allocation for FY 2010	2,510,000
Recovery Act Allocations to Date	0
Balance to Complete after FY 2010	490,000
Benefit to Cost Ratio	N/A

FY 2010 ACTIVITIES: Upon receipt of a letter from the Governor of the State of Louisiana that identifies the state's priorities, this effort will continue. per Federal funds in the amount of \$100,000 would be used to develop and negotiate a feasibility cost sharing agreement and project management plan (PMP) with the State of Louisiana for a study to be cost shared 50 percent Federal/50 percent non-Federal. The PMP would identify the total study costs and tasks, to refine and integrate LACPR findings and outputs regarding alternative trade-offs, and coastal landscape contributions to risk management, with ongoing Hurricane Storm Damage Reduction projects and Coastal Protection and Restoration projects and to delineate comprehensive plans for higher levels of storm surge risk reduction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To Be Determined.

OTHER INFORMATION: The final Technical Report was submitted to the Assistant Secretary of the Army for Civil Works on 13 September 2009. By letter dated 2 November 2009, the Assistant Secretary of the Army (Civil Works) notified the Governor of the State of Louisiana that the State needs to identify their position and priorities before the LACPR Technical Report will be forwarded to Congress. To date, no response has been received from the State.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter, LA; House: Scalise (LA-1), Cao (LA-2), Melancon (LA-3), Cassidy (LA-6), and Boustany (LA-7).

DISTRICT: New Orleans

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Pearl River Watershed, MS

AUTHORIZATION: WRDA 2007, Sec 3104.

LOCATION: The study area is located in that portion of the Jackson, Mississippi, metropolitan area below the Ross Barnett Reservoir dam which is subject to flooding from the Pearl River.

DESCRIPTION: The Jackson Metropolitan Area, a primary regional economic center, suffers annual flood damages attributable to the Pearl River of approximately \$10 million. The flood of record occurred in 1979 causing \$440 million in damages in today's dollars. The feasibility study investigated alternatives for flood damage reduction.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$4,375,000
Estimated Non-Federal Cost	3,866,000
Cash	(897,000)
Other	(2,967,000)
Total Estimated Cost	8,241,000
Allocations thru FY 2008	3,375,000
Allocation for FY 2009	26,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	10,000
Balance to Complete after FY 2010	964,000
Benefit to Cost Ratio at 7%	0.86

FY 2010 ACTIVITIES: Funds are being used to coordinate with non-Federal sponsor and complete final accounting for terminated study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined

OTHER INFORMATION: FY 2007 funds were used to prepare a preliminary draft report documenting findings for two alternatives studied, the NED comprehensive levee plan ("NED plan") and the locally preferred LeFleur Lakes Plan (LLP). Report was provided to the non-Federal sponsor on 16 February 2007. Findings indicated the LLP was economically infeasible based on Corps criteria, had greater environmental impacts than the NED plan, and lacked Federal interest. WRDA 2007 included language (Section 3104) directed at authorizing both an undefined locally preferred plan and the NED plan. Due to significant adverse environmental impacts of the various subsequent versions of a locally preferred plan, all featuring impoundments, only the environmentally acceptable NED plan was implementable. Coordination with the non-Federal sponsor, the Rankin-Hinds Pearl River Flood and Drainage Control District, in this context continued into early FY 2010. Since the local sponsor did not support proceeding with the recommended NED comprehensive levee plan, study was terminated on 23 November 2009.

CONGRESSIONAL INTEREST: Senate: Cochran and Wicker (MS); House: Thompson (MS-02); Harper (MS-03).

DISTRICT: Vicksburg

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Prairie du Pont Levee and Sanitary District and Fish Lake Drainage and Levee District, Illinois

AUTHORIZATION: FCA 36, as amended to include Fish Lake by FCA 54; Sec 102(8), WRDA 00; Sec 5070, WRDA 07.

LOCATION: The study area is located on the east bank of the Mississippi River between river miles 166 and 175 above the Ohio River in St. Clair and Monroe Counties, Illinois, across from St. Louis County, Missouri. The area is protected by an urban design levee, completed in 1951.

DESCRIPTION: The local sponsor maintained levee system is 15.2 miles in length with gravity drains and 4 pumping stations to evacuate interior floodwaters. The 1993 flood produced serious underseepage problems within this system (sand boils, quick soil conditions, and serious piping conditions). This deficiency correction reevaluation would investigate solutions to those problems. A feasibility study is needed to assess the potential for reconstruction of deteriorated features such as gates and culverts.

<u>FY</u>	<u>2010 PED</u>	<u>FY 2010 Feasibility</u>
<u>SUMMARIZED FINANCIAL DATA</u>	<u>(Deficiency Correction)</u>	<u>(Reconstruction)</u>
Estimated Federal Cost	\$ 2,339,000	\$ 400,000
Estimated Non-Federal Cost	780,000	400,000
Cash	780,000	400,000
Other	0	0
Total Estimated Cost	\$ 3,119,000 ^{1/} \$	800,000
Allocation thru FY 2008	98,000	0
Allocation for FY 2009	591,000 ^{2/} 0	0 ^{2/}
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	419,000	209,000
Balance to Complete after FY 2010	1,231,000	191,000
Benefit to Cost Ratio @ 7%	1.5	N/A

^{1/} Update of estimate is pending.

^{2/} Reflects reprogramming of \$280,000, including \$191,000 from feasibility to PED.

FY 2010 ACTIVITIES: Funds are being used to complete geotechnical subsurface exploration and testing for design deficiency corrections and for studies for levee certification, environmental assessment, and cultural field investigations. In addition, feasibility funds will be used to initiate evaluation of drainage structures and associated features.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: A 905(b) reconnaissance report was finalized in September 2004 that detailed problems and recommended Federal interest in follow-on analysis for both design deficiencies and reconstruction of various project components. Policy guidance directed addressing the design deficiencies with a PED resumption and reconstruction with a cost shared feasibility study. The levee cannot be certified for providing protection against the one percent annual occurrence flood event (100-year). Levee is not accredited by FEMA. Because of major negative impacts, the levee districts and counties plan to use local funds to accelerate the repairs needed to obtain this certification.

CONGRESSIONAL INTEREST: House: Costello (IL-12), Senate: Durbin and Burriss (IL)

DISTRICT: St. Louis

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Red River of the North Basin, Minnesota, North Dakota, South Dakota & Manitoba, Canada

AUTHORIZATION: SR, 30 Sep 74

LOCATION: The Red River of the North is located on the eastern edge of North Dakota, and its basin includes parts of Minnesota, North Dakota, South Dakota, and Manitoba (Canada).

DESCRIPTION: The basin experiences severe flooding on a frequent basis. Over 90% of the original wetlands in the basin have been drained for agricultural and urban development. A basin-wide reconnaissance study began in 2000, and a reconnaissance report was approved in September 2002. The 2002 reconnaissance study has already led to five feasibility studies and six supplemental reconnaissance efforts. It continues to be a vehicle for developing additional feasibility studies for flood damage reduction and ecosystem restoration in the Red River Basin. Current study efforts include the Fargo-Moorhead Metro, Fargo-Moorhead Upstream, and Red River Basin Wide Feasibility studies along with the Pembina River Basin, Valley City, North Dakota and the Sheyenne River Watershed reconnaissance studies. Additional sub-watershed recon and feasibility studies will be pursued as needed.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Study</u>
Estimated Federal Cost	\$ 9,493,000 ¹
Estimated Non-Federal Cost	8,943,000
Total Estimated Cost	18,436,000
Allocation thru FY 2008	\$ 3,503,000
Allocation for FY 2009	178,000
Recovery Act Allocations to Date	500,000
Allocation for FY 2010	3,000,000
Balance to Complete after FY 2010	2,312,000
Benefit to Cost Ratio @ 7%	NA

¹ Includes reconnaissance phase costs and feasibility costs for Fargo-Moorhead and Upstream; Fargo, ND-Moorhead, MN Metro; Red River Basin Wide; Valley City Recon, Sheyenne River Recon, Pembina River Basin and future feasibility studies. Excludes costs for Wild Rice River, MN; Crookston, MN and Roseau, MN feasibility studies.

FY 2010 ACTIVITIES: Funds are being used to continue the Basin-wide Watershed reconnaissance / feasibility studies (\$900k), continue the Fargo, ND-Moorhead, MN Metro feasibility study (\$1,900k), and continue the feasibility study for Fargo-Moorhead and Upstream (\$200k).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To Be Determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senate: Franken and Klobuchar (MN);; House: Peterson (MN-7), Pomeroy (ND-AL). Conrad and Dorgan (ND)

DISTRICT: St. Paul

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: River des Peres, Missouri

AUTHORIZATION: Section 101(a)(17) of WRDA 1990 (Public Law 101-640); Section 3108 of WRDA 2007

LOCATION: River des Peres drains a 111-square mile area in the city of St. Louis and St. Louis County, Missouri, and empties into the Mississippi River.

DESCRIPTION: This project includes University City and Deer Creek and will reduce flood damages affecting 550 structures within both industrial and residential areas. The University City portion consists of channel enlargement and stabilization along 2.5 miles of the University City branch of upper River des Peres and 1.85 mile recreation trail within the improved channel right-of-way. The Deer Creek portion consists of 2.5 miles of channel widening and stabilization improvements along with a recreational trail through Brentwood, Maplewood, Rock Hill, and Webster Groves.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 PED
Estimated Federal Cost	\$ 3,867,000
Estimated Non-Federal Cost	1,289,000
Cash	(1,289,000)
Other	(0)
Total Estimated Cost	\$ 5,156,000
Allocation thru FY 2008	2,014,000
Allocation for FY 2009	29,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	40,000
Balance to Complete after FY 2010	1,784,000
Benefit to Cost Ratio @ 7%	2.0

FY 2010 ACTIVITIES: Finalize the General Reevaluation Report (GRR) and initiate the review process for the GRR for the University City Branch component.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: University City is the local sponsor for the University City portion. The authorized project for University City is a channel that may cause induced damages, and the reevaluation is now focusing on a nonstructural plan with residential buyouts. University City experienced severe flooding in 2008 and has high interest in this nonstructural plan. A nonstructural plan is expected to require reauthorization. The city of Brentwood and the Metropolitan St. Louis Sewer District have shown renewed interest in the Deer Creek portion, which is on hold pending a cost-share sponsor.

CONGRESSIONAL INTEREST: Senate: Bond and McCaskill (MO) ; House: Clay (MO-1) and Carnahan (MO-3);

DISTRICT: St. Louis

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Flood and Coastal Storm Damage Reduction

STUDY NAME: Southwest Coastal Louisiana, LA

AUTHORIZATION: HR, Docket 2747, 7 Dec 05

LOCATION: Cameron, Calcasieu, and Vermilion Parishes

DESCRIPTION: The study will formulate solutions to provide hurricane protection and coastal restoration within Calcasieu, Cameron, and Vermilion Parishes. Hurricane protection features may include: levees and non-structural features such as ring levees, structure raising, property buyouts, relocation, and flood-proofing. Coastal restoration features may include: salinity control, new locks, hydrologic restoration, freshwater introductions, beneficial use, shoreline stabilization, by-pass culverts, and dedicated dredging.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$4,650,000
Estimated Non-Federal Cost	4,400,000
Cash	(0)
Other	(4,400,000)
Total Estimated Cost	9,050,000
Allocation thru FY 2008	1,195,000
Allocation for FY 2009	956,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	628,000
Balance to Complete after FY 2010	1,871,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue feasibility activities to include plan formulation, hydrology and hydraulic pump updates and refinement now that the Project Delivery Team has identified actual measures, economic preliminary analysis, environmental documentation, and stakeholder and public involvement meetings.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To Be Determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter(LA); House: Boustany (LA-07)

DISTRICT: New Orleans

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: St. Charles Parish Urban Flood Control, LA

AUTHORIZATION: HR, Docket 2599, 22 Apr 99, and DoD Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza Act, 2006, Chapter 3 (P.L. 109-148), 30 Dec 2005

LOCATION: St. Charles Parish is located west of the city of New Orleans, LA, with its northern boundary along the southwest shore of Lake Pontchartrain.

DESCRIPTION: Levees impound rainfall and the interior drainage system is insufficient to prevent flooding from heavy rainfall events. Flood damages from the May 1995 flood resulted in insurance payments of over \$57 million; total damage payments since 1978 are \$72 million. Flood control improvements are needed to reduce repetitive damages.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$2,976,000
Estimated Non-Federal Cost	2,746,000
Cash	7945,000
Other	1,951,000
Total Estimated Cost	\$5,722,000
Allocation thru FY 2008	2,108,000
Allocation for FY 2009	478,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	157,000
Balance to Complete after FY 2010	233,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete hydraulic analysis, economics and develop the Tentatively Selected Plan. Continue environmental compliance and continue engagement with sponsor and agencies.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: Due to concerns about evacuating floodwaters from the area protected by the Lake Pontchartrain hurricane protection levee, the sponsor is anxious to complete the study as soon as possible. .

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter (LA),: House: Melancon (LA-3); Cassidy (LA-6).

DISTRICT: New Orleans

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Upper Mississippi River Comprehensive Plan, IL, IA, MO, MN, WI

AUTHORIZATION: Sec 459 of WRDA 99, modified by Sec 404 of WRDA 00.

LOCATION: The study area includes the Upper Mississippi River above Cairo, Illinois, and the Illinois River.

DESCRIPTION: The authority called for development of a plan to address water resource and related land resource problems and opportunities in the Upper Mississippi Basin in the interest of systemic flood damage reduction. Initial study formulated 8 plans for the Mississippi and Illinois Rivers floodplains, including buyout, nonstructural, and structural alternatives. Evaluation utilized a Risk-Informed Decision Framework. A report on this aspect of study has gone forward to Congressional committees. Although evaluation revealed low National Economic Development benefits, the merits of refining the best performing systemic plan, Plan H, is under consideration. Other areas recommended for further study in the initial report include 1) protection of critical transportation infrastructure, 2) reconstruction of existing flood damage reduction projects, and 3) tributary watersheds. Continuation of the study provides a means for the Corps to collaborate with states, other federal agencies, and non government organizations on basin-wide systemic management strategies for reducing flood risk, reducing bank caving and erosion; reducing watershed nutrient and sediment loads; improving habitat; addressing recreation needs; and other related purposes.

SUMMARIZED FINANCIAL DATA:	FY 2010	FY 2010
	RECON	FEAS
Estimated Federal Cost	\$12,000,000	\$ 750,000
Estimated Non-Federal Cost	0	750,000
Total Estimated Cost	12,000,000	1,500,000
Allocations thru FY 2008	5,830,000	0
Allocation for FY 2009	163,000	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	269,000	0
Balance to Complete After FY 2010	6,488,000	750,000
Benefit to Cost Ratio at 7 %	N/A	N/A

FY 2010 ACTIVITIES: Develop scopes and management plans for protection of critical transportation infrastructure, reconstruction of existing projects, and tributary watershed study (Iowa-Cedar River Basins).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: As authorized in Sec. 459 of WRDA 99, systemic study is not cost-shared. Feasibility-level study of existing flood damage reduction projects will be cost shared.

CONGRESSIONAL INTEREST: Senate: Grassley and Harkin (IA); Durbin (IL); Bond and McCaskill (MO); House: Loebsack (IA-2); Boswell (IA-3); Latham (IA-4); Costello (IL-12); Hare (IL-17); Shimkus (IL-19); Walz (MN-1); and Kind (WI-3).

DISTRICT: Rock Island

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: West Shore – Lake Pontchartrain, LA

AUTHORIZATION: HR, 29 Jul 71 and SR, 20 Sep 74

LOCATION: The study area, which includes portions of St. Charles, St. John the Baptist, and St. James Parishes, is located west of the Bonnet Carre' Spillway between the Mississippi River and Lakes Pontchartrain and Maurepas. Communities within the study area include Laplace, Reserve, Lutcher, Gramercy, and Garyville.

DESCRIPTION: More than 16,400 homes and businesses are located in the study area. Major flooding in the study area occurred from Hurricanes Betsy (1965), Juan (1985), and Rita (2005) and the 1973 flood on the Mississippi. The average annual damages under existing conditions are estimated to exceed \$20 million. Four alternatives to provide protection against hurricane-induced flooding are being evaluated in the feasibility study; one alternative with protection largely limited to the boundary of the currently developed area and three alternatives that provide progressively more protection to Interstate-10 (I-10). The alternatives that provide protection to I-10 will require that wetlands be enclosed within the protected area. Interstate 10 is the major hurricane evacuation and transportation route in south Louisiana. The study will evaluate measures to address resource agency concerns regarding possible induced development and wetland degradation/loss in these areas.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost \$	4,193,000
Estimated Non-Federal Cost	\$ 3,393,000
Cash	\$ 2,515,000
Other	\$ 878,000
Total Estimated Cost \$	7,586,000
Allocations thru FY 2008	\$ 2,664,000
Allocation for FY 2009	860,000
Allocation for FY 2010	170,000
Recovery Act Allocation to Date	0
Balance to Complete after FY 2010	499,000
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: Prepare feasibility report draft, and hold feasibility review conference.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: Revised alignments providing protection for Interstate 10 and taking advantage of wetlands storage to reduce project costs have been added to the scope of the feasibility study. The estimated project cost and schedule have been updated to reflect these changes that includes \$300,000 for an Independent External Peer Review.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter(LA); House: Melancon (LA-3)

DISTRICT: New Orleans

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Bois Brule Drainage and Levee District, Missouri

AUTHORIZATION: Sec 5, FCA 36, Sec 201, FCA 65, Sec 332, WRDA 99, E&WDAA 02

LOCATION: The project is located on the right bank of the Mississippi River and is predominately in Perry County, Missouri, but has a small part in Randolph County, Illinois.

DESCRIPTION: The existing project consists of 33.1 miles of levee, 341 relief wells, and 4 pump stations. The deficiency correction work will provide additional underseepage control measures in the form of 297 relief wells, seepage berms, and a seepage cutoff trench; ditching and culvert improvements; three additional pump stations; and restoring the elevation of some parts of the back levee.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Construction</u>
Estimated Federal Cost	\$ 28,269,000
Estimated Non-Federal Cost	756,000
Cash	(0)
Other	(756,000)
Total Estimated Cost	\$ 29,025,000
Allocation thru FY 2008	10,211,000
Allocation for FY 2009	2,130,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	1,938,000
Balance to Complete after FY 2010	13,990,000
Benefit to Cost Ratio @ 7%	1.9

FY 2010 ACTIVITIES: Awarded Phase 2 of the Missouri Chute Pump Station contract; continue construction of the Missouri Chute Pump Station and relief wells.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: Ninety-nine relief wells have been constructed.

CONGRESSIONAL INTEREST: House: Emerson (MO-8); Senate: Bond and McCaskill (MO).

DISTRICT: St. Louis

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Breckenridge, Minnesota

AUTHORIZATION: Section 320, WRDA 2000; Section 114, E&WD Appropriations Act, 2010

LOCATION: Breckenridge is located in Wilkin County along the Red River of the North, which divides Breckenridge, Minnesota from Wahpeton, North Dakota.

DESCRIPTION: Overland flooding from the Red River of the North causes frequent and significant flood related problems for the city. The project includes a diversion channel and a system of levees to protect the city from flood related damages.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Construction
Estimated Federal Cost	\$ 25,000,000
Estimated Non-Federal Cost	14,360,000
Cash	(1,963,000)
Other	(12,397,000)
Total Estimated Cost	\$ 39,360,000
Allocations thru FY 2008	\$ 15,593,000
Allocation for FY 2009	4,000,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	5,000,000
Balance to Complete after FY 2010	\$ 407,000
Benefit to Cost Ratio @ 7%	1.3

FY 2010 ACTIVITIES: Award contracts and initiate construction for third and fourth (final) levee stages.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: Existing local levees provide marginal protection due to their incomplete coverage and unreliable condition. Failure of these existing levees during a large flood could cause catastrophic damages. The City of Breckenridge is very concerned about the adequacy of the levee system. During the 1997 flood, over \$35 million in flood damages were experienced in Breckenridge. Construction of the project is closely linked to construction of the Wahpeton, North Dakota, Section 205 project; the two projects must be constructed concurrently. The State of Minnesota is very supportive of a permanent flood control project.

CONGRESSIONAL INTEREST: House: Peterson (MN-7) and Pomeroy (ND-AL); Senate: Klobuchar and Franken (MN) and Conrad and Dorgan (ND).

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Cape Girardeau (Floodwall), Missouri

AUTHORIZATION: Sec 204, FCA 50; E&WDAA 04.

LOCATION: The project is located on the right bank of the Mississippi River flood plain between river miles 51.6 and 52.8 above the Ohio River in Missouri.

DESCRIPTION: The area protected by the Cape Girardeau flood protection project lies within the corporate limits of the City of Cape Girardeau, Missouri. The overall length of the project is 8,240 feet consisting of 2,175 feet of levee; 6,065 feet of floodwall; 2 pumping stations; 5 closure structures; and other appurtenant structures. The reconstruction includes rock berm to stabilize existing retaining wall; floodwall work (joint repairs, toe drain replacement, soil stabilization and closure gate seal replacement) and pump stations (mechanical, electrical, and miscellaneous structural and culvert work).

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 11,401,000
Estimated Non-Federal Cost	0
Total Estimated Cost	\$ 11,401,000
Allocation thru FY 2008	4,531,000
Allocation for FY 2009	2,575,000
Recovery Act Allocations to Date	3,570,000
Allocation for FY 2010	183,000
Balance to Complete after FY 2010	542,000
Benefit to Cost Ratio @ 7%	1.9

FY 2010 ACTIVITIES: Funds are being used to complete design and coordination for the floodwall reconstruction work. Recovery Act funds were used to award Phase 1 floodwall repair contract in November 2009 and will be used to award Phase 2 floodwall repair contract in August 2010 and complete rehabilitation of two pump stations.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: The Engineering Documentation Report was approved on 19 December 2007. The Project Partnership Agreement was executed on 18 September 2008. Contractor efforts to verify existing rock condition below proposed box culvert extension for rock berm has revealed differing site condition. Efforts are underway to determine extent of design changes required, and impact on project cost.

CONGRESSIONAL INTEREST: House: Emerson (MO-8); Sen: Bond and McCaskill (MO).

DISTRICT: St. Louis

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Comite River (Diversion) Project, LA

AUTHORIZATION: Sec 101(11), WRDA 92; 301 (b) (5), WRDA 96; Sec 371, WRDA 99

LOCATION: The Project comprises approximately 348 square miles and includes portions of Wilkinson and Amite Counties in Mississippi and East Feliciana and East Baton Rouge Parishes, and south of the Town of Zachary, Louisiana. The diversion project is located between the Comite and Mississippi Rivers north of the Town of Baker, Louisiana, and south of the Town of Zachary, Louisiana.

DESCRIPTION: The project provides flood protection for the residents of the Comite River Basin and provides for a 1 mile long diversion channel located between the Comite and Mississippi Rivers.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 134,000,000
Estimated Non-Federal Cost	54,000,000
Cash	\$ 9,500,000
Other	44,500,000
Total Estimated Cost	\$ 188,000,000
Allocation thru FY 2008	\$ 49,911,000
Allocation for FY 2009	9,091,000
Recovery Act Allocation To Date	0
Allocation for FY 2010	4,844,000
Balance to Complete after FY 2010	\$ 70,154,000
Benefit to Cost Ratio @ 7%	2.2

FY 2010 ACTIVITIES: Funds are being used to award a highway construction contract and highway, channel and bridge design contracts.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD

OTHER INFORMATION: There have been significant increases in population in the lower part of the Comite River Basin since storms in 2005 and 2008.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter; House: Cassidy (LA-6).

DISTRICT: New Orleans

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Des Moines and Raccoon Rivers, Iowa

AUTHORIZATION: House Resolution dated July 1, 1958; Sec 216, FCA 1970, Sec 1001, WRDA 2007; and Sec 113, E&WDAA 2010.

LOCATION: The City of Des Moines, Iowa.

DESCRIPTION: During the Great Flood of 1993, Polk County suffered more than \$152 million in flood damages, mostly in the Des Moines metropolitan area. In 2008, the Birdland Park levee in downtown Des Moines failed and caused further damages. A feasibility report was completed in December 2005 that recommends constructing flood damage reduction facilities to protect vulnerable areas of Des Moines. The recommended plan includes reconstructing 13,300 feet of levees (the Birdland Park and Central Place levees), improving 19 closure structures, and constructing a recreation trail on a segment of the Birdland Park levee. The proposed project will provide improved flood protection to over 850 residential properties and 650 commercial/industrial properties with estimated 500-year flood damages of over \$325 million. The project is economically justified and has a benefit-cost ratio of 2.1 to 1 and a total project cost of \$16.5 million. The City of Des Moines is the local sponsor and is responsible for a 35% cost share of all flood damage reduction components and a 50% cost share of recreation components. The project is authorized for construction.

SUMMARIZED FINANCIAL DATA:

	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$10,725,000
Estimated Non-Federal Cost	\$5,775,000
Total Estimated Cost	\$16,500,000
Allocations thru FY 2008	\$860,000
Allocation for FY 2009	\$3,828,000
Recovery Act Allocation FY 2009	\$3,336,000
Allocation for FY 2010	\$2,701,000
Balance to Complete After FY 2010	0
Benefit Cost Ratio @ 7%	2.1

FY 2010 ACTIVITIES: Award construction contract for Birdland Park levee; complete Post-Authorization Change Report and PPA for Central Place levee and award its construction contract.

EARLIEST ATTAINABLE COMPLETION FOR PHASE: To be determined.

OTHER INFORMATION: The project cost estimate developed during detailed design resulted in a change to the cost estimate as authorized in the Feasibility Report. A Project Partnership Agreement (PPA) for the first separable element of the project (Birdland Park levee and closure improvements) was executed on 04 Nov 2009. A Post-Authorization Change Report is required to support the second separable element (Central Place levee) PPA. This project has \$3.336 million in ARRA funding for the Birdland Park levee. With the ARRA funding, the entire project is fully funded.

CONGRESSIONAL INTEREST: House: Boswell (IA-3); Senators Harkin and Grassley (IA).

DISTRICT: Rock Island

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE BUSINESS PROGRAM: Flood & Coastal Storm Damage Reduction

PROJECT NAME: East Baton Rouge Parish, LA

AUTHORIZATION: 101(a) (21) of the Water Resources Development Act of 1999 (113 Stat. 277) and modified by section 116 of division D of Public Law 108-7 (117 Stat. 140) Water Resources Development Act 2007.

LOCATION: The project is located in East Baton Rouge Parish, LA with an area consisting of approximately 66 miles of channels in five basins within the Parish. The sub-basins are Blackwater Bayou; Beaver Bayou; Jones Creek; Ward Creek and Bayou Fountain and related tributaries.

DESCRIPTION: The purpose of the project is to reduce flooding by constructing channel modifications in the five watersheds.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 CONSTRUCTION</u>
Estimated Federal Cost \$	140,000,000
Estimated Non-Federal Cost	47,000,000
Cash	47,000,000
Other	0
Total Estimated Cost \$	187,000,000
Allocation thru 2008	\$ 4,174,000
Allocation for FY 2009	957,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	1,381,000
Balance to Complete after 2010	\$133,488,000
Benefit to Cost Ratio at 7%	2.2

FY 2010 ACTIVITIES: Funds will be used to continue design of Jones Creek.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The project was re-authorized in WRDA 2007, which included the 75/25 cost share. MVN is currently negotiating two PPAs with two separate non-Federal sponsors; one with East Baton Rouge Parish for Jones Creek, Ward Creek and Bayou Fountain; another with the City of Central, LA for Bayous Beaver and Blackwater.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter; House: Cassidy LA-6.

DISTRICT: New Orleans

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Grand Forks, North Dakota – East Grand Forks, Minnesota

AUTHORIZATION: Section 137, Omnibus Consolidated & Emergency Supplemental Appropriations Act of 1999

LOCATION: Grand Forks, North Dakota is located on the Red River of the North 70 miles south of Canada. East Grand Forks, Minnesota is directly across the river from Grand Forks.

DESCRIPTION: The project consists of levees and floodwall set back from the river, forming three “rings” around both communities. In addition, stabilization of an existing dam, removal of a former railroad bridge, interior flood control features, numerous road and railroad closures, extension and expansion of an existing diversion channel, and construction of new diversion channels with associated structural features are part of the project. The design level of protection is equivalent to the peak discharge experienced during the 1997 flood.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 226,968,000
Estimated Non-Federal Cost	189,800,000
Cash	(23,300,000)
Other	(166,500,000)
Total Estimated Cost	\$ 416,768,000
Allocations thru FY 2008	\$ 224,050,000
Allocation for FY 2009	383,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	2,535,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	1.13

FY 2010 ACTIVITIES: Finalize project documents and award purchase orders for the Cities’ top priority modifications not addressed by existing contracts; cover contractor quantity overruns on levee fill and other modifications; and complete remaining modifications and close out project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010.

OTHER INFORMATION: Since 1950, 12 floods have threatened the area. The catastrophic flood of 1997 was the largest ever experienced in the area. Despite major emergency flood fight efforts, both cities were inundated. Estimates indicate that over \$1.5 billion in damages were sustained in the two cities. Until the entire levee project is complete, residents continue to pay flood insurance premiums and the two communities remain vulnerable to flooding. Although construction was not yet completed, \$147 million in damages were prevented in the spring flood of 2006.

CONGRESSIONAL INTEREST: House: Peterson (MN-7) and Pomeroy (ND-AL); Senate: Klobuchar and Franken (MN) and Conrad and Dorgan (ND).

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Meramec River Basin, Valley Park Levee, Missouri

AUTHORIZATION: Sec 2(h), PL 97-128; Sec 1128, WRDA 86; Sec 333, WRDA 99; Sec 146, E&WDAA 04.

LOCATION: The project is located in St. Louis County, Missouri, adjacent to the left descending bank of the Meramec River at river mile 21 above the confluence with the Mississippi River.

DESCRIPTION: The project includes 3.2 miles of levee with 3 feet of freeboard above the 100-year flood profile, 6 gravity drains, 3 closure structures, 5 detention areas, 41 relief wells, environmental mitigation, and recreation features. Three additional flood damage reduction features are needed to correct problems that became apparent during the March 2008 flood and in 2009, creek bank erosion which threatens the levee, seepage into the protected area through a large railroad embankment, and erosion of the levee toe along the east flank near Kena Street.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 40,129,000
Estimated Non-Federal Cost	13,538,000
Cash	(3,405,000)
Other	(10,133,000)
Total Estimated Cost	\$ 53,667,000 ^{1/}
Allocation thru FY 2008	37,909,000 ^{2/}
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	993,000
Balance to Complete after FY 2010	1,227,000
Benefit to Cost Ratio @ 7%	1.5

^{1/} Reflects only the Valley Park portion of the Lower Meramec project. Cost of unrecommended project features not applicable to Valley Park totals \$1,276,000. The Federal limit that applies to the Valley Park project is \$48,724,000. Cost estimate does not include the cost of bank protection along Fishpot Creek.

^{2/} Includes \$500,000 Supplemental CG funds received in September 2008.

FY 2010 ACTIVITIES: Complete plans and specifications and construction of creek bank protection; design railroad embankment seepage controls.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: In 2007, essentially the entire flood damage reduction component was turned over to the city for operation, maintenance, repair, replacement, and rehabilitation (OMRRR). Minor features and bottom land hardwoods mitigation were not completed at that time. In March 2008 the levee protected the community from what would have been a disastrous flood. In 2009 erosion of the bank of Fishpot Creek became apparent. Since it threatens the levee, solving this problem became the top priority. FEMA has changed the Flood Insurance Rate Map for Valley Park to recognize the new levee, and confirmed that they agree with floodway changes and will prepare a Physical Map Revision showing the new floodway. An approved Recreation Addendum to the Valley Park Plan Formulation Report describes revised recreation features that accommodate changes to the original flood damage reduction component and are consistent with the city's new recreation plan.

CONGRESSIONAL INTEREST: House: Akin (MO-2); Senate: Bond and McCaskill (MO)

DISTRICT: St. Louis

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Nutwood Drainage and Levee District, Illinois

AUTHORIZATION: Sec 203, FCA 62.

LOCATION: The Nutwood Drainage and Levee District protects 10,360 acres of primarily agricultural land located in Greene and Jersey Counties, Illinois, on the left bank of the Illinois River between river miles 15.2 and 23.7 above the mouth of the Illinois River.

DESCRIPTION: This Federally constructed levee provides protection for a 4 percent annual occurrence flood event (25-year). During the flood of 1993, the levee was breached completely, inundating the area and causing a disruption of traffic on Illinois Routes 100 and 16 for over three months. The recommended plan of improvement for this project includes a levee raise of 11.4 miles of existing levees, improved pumping capabilities, and construction of seepage control measures.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 12,043,000
Estimated Non-Federal Cost	4,015,000
Cash	(1,413,000)
Other	(2,602,000)
Total Estimated Cost	\$ 16,058,000
Allocation thru FY 2008	2,176,000
Allocation for FY 2009	144,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	138,000
Balance to Complete after FY 2010	9,585,000
Benefit to Cost Ratio @ 7%	1.42

FY 2010 ACTIVITIES: Revise the General Reevaluation Report (GRR), prepare a Project Review Plan (PRP), and submit the PRP and GRR for review and approval.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: The St. Louis District (SLD) identified and notified over 2,000 property owners of structures affected by the "worse case scenario" flood. This flood is estimated to be a 345-year event at Hardin and greater than a 500-year event at Kampsville. The Illinois Department of Natural Resources (IDNR) is concerned with the mitigation of impacts, due to increased flood heights, caused by the "worse case scenario" flood. At the request of the IDNR, the SLD and Nutwood D&LD submitted a Mitigation Report to the IDNR in FY08, detailing the efforts, analyses, and recommendations for mitigating the impacts. In late FY09, the IDNR issued the required permit to proceed with the project..

CONGRESSIONAL INTEREST: House: Hare (IL-17); Senate: Durbin and Burris (IL)

DISTRICT: St. Louis

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Red River Below Denison Dam, AR, LA & TX

AUTHORIZATION: FCA 46; E&WDAA 92, 93, 94, 95, 96, 98, 02, 03, 04, 05, 06, 07, 08, 09, 10.

LOCATION: Project facilities are located along the Red River from the vicinity of Index, AR, to Boyce, LA, along the right bank, and to Pineville, LA, along the left bank.

DESCRIPTION: The overall project provides flood damage reduction for about 1.7 million acres, half of which are located behind levees. The project protects the flood plain from crop damage; loss of livestock; damage to levees, railroads, highways, industries, and other river and urban developments. The authorized project provides for enlargement and/or rehabilitation of existing levees and construction of new levees or bank protection or channel realignment where levee setbacks are impossible or uneconomical.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$91,555,000
Estimated Non-Federal Cost	3,241,000
Cash	(0)
Other	(3,241,000)
Total Estimated Cost	94,796,000
Allocation thru FY 2008	87,415,000
Allocation for FY 2009	2,105,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	2,035,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7% (___ %)	1.0

FY 2010 ACTIVITIES: Funds are being used to fully fund levee rehabilitation item 9A in southwest Arkansas.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Ross (AR-4) and Alexander (LA-5); Senate: Lincoln and Pryor (AR); Vitter and Landrieu (LA).

DISTRICT: Vicksburg

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Roseau, Minnesota

AUTHORIZATION: Section 1001(27), WRDA 2007

LOCATION: Roseau, Minnesota is located in Roseau County in northwestern Minnesota approximately 10 miles south of the Canadian border and 65 miles east of the North Dakota border.

DESCRIPTION: The recommended locally preferred plan consists of a 150-foot-wide east side diversion channel, three bridges, a restriction structure, and two storage areas designed to reduce flood stages in the city with stage decreases upstream of Roseau to Malung. This plan will remove almost the entire city from the 100-year regulatory floodplain and reduces future flood damages by nearly 86 percent.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 16,500,000
Estimated Non-Federal Cost	13,300,000
Cash	(3,355,000)
Other	(9,945,000)
Total Estimated Cost	\$ 29,800,000
Allocations thru FY 2008	\$ 515,000
Allocation for FY 2009	500,000
Recovery Act Allocations to Date	4,480,000
Allocation for FY 2010	1,938,000
Balance to Complete after FY 2010	\$ 9,067,000
Benefit to Cost Ratio @ 7%	2.2

FY 2010 ACTIVITIES: FY 2010 funds are being used to complete plans and specifications for the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: The city was devastated by a major flood in 2002 that had a duration of several weeks and heavily impacted 80 percent of the town. The City of Roseau is anxious to implement a permanent solution to their flooding problems. The State of Minnesota is also very supportive of a permanent flood control project. The recommended locally preferred plan which includes a diversion channel and storage areas to mitigate for minor stage increases downstream of the project was approved by the Civil Works Review Board and a Chief's Report was signed on 19 December 2006.

CONGRESSIONAL INTEREST: House: Peterson (MN-7); Senate: Coleman and Franken (MN)

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Ste. Genevieve, MO

AUTHORIZATION: Sec 401(a), WRDA 86.

LOCATION: The project is located in Ste. Genevieve County, Missouri, adjacent to the west bank of the Mississippi River between miles 121 and 125 above the confluence of the Ohio River.

DESCRIPTION: The project consists of a 3.5 mile long levee that provides Urban Design Flood protection from Mississippi River flooding; a gravity drain pump station facility with a 575 cubic feet per second capacity and three electric-powered pumps; a 505-acre ponding area; interior drainage ditching and grading; two closure structures, road, railroad, and utility relocations; 24 relief wells; tree screens; an environmental mitigation area; and other features. The authorized project includes channel widening and one small levee along North and South Gabouri Creeks and recreation facilities such as picnic areas and trails on flood control lands along the tributary improvements and the levee.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$35,945,000
Estimated Non-Federal Cost	13,399,000
Cash	(4,659,000)
Other	(8,740,000)
Total Estimated Cost	\$49,344,000
Allocation thru FY 2008	31,700,000
Allocation for FY 2009	100,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	242,000
Balance to Complete after FY 2010	3,903,000
Benefit to Cost Ratio @ 7%	1.0

FY 2010 ACTIVITIES: Funds are being used to complete the General Reevaluation Report for the tributaries and continue design for a portion of North Gabouri Creek levee contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: The benefit cost ratio and remaining benefit remaining cost ratio are 1.0 based on the authorizing documentation which states: ".....Congress finds that, in view of the historic preservation benefits resulting from the project, the overall benefits of the project exceed the costs of the project."

CONGRESSIONAL INTEREST: House: Carnahan (MO-3); Sen: Bond and McCaskill (MO).

DISTRICT: St. Louis

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Bear Creek, Story Co., Roland, Iowa

AUTHORIZATION: Sec 14 of the FCA 1946 (Public Law 79-526), as amended.

LOCATION: The project area is adjacent to the north side of the E-18 Bridge (bridge no. 8503.4S221) that crosses Bear Creek in the City of Roland, IA. The site is located in Section 15, Township 85 North, Range 23 West, in Story County, Iowa.

DESCRIPTION: The east bank of Bear Creek is eroding, leaving public utilities exposed and jeopardizing the E-18 Bridge (bridge no. 8503.4S221). The public utilities, including a gas line and buried electrical line, have been disconnected because of the high probability of damage and/or failure due to exposure to the elements as a result of the erosion. The E-18 Bridge, owned by the City of Roland, remains at risk from the erosion. The rate of erosion is estimated to be 2.5' to 3' of bank movement per year. The E-18 Bridge has an average daily traffic count of 2,870 vehicles (Iowa Dept. of Transportation, 2007), of which 110 are single-unit trucks and 72 are multi-unit trucks.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	
	<u>Feas</u>	<u>DI</u>
Estimated Federal Cost	\$100,000	\$ 65,000
Estimated Non-Federal Cost	\$ 0	
Cash	\$ 0	\$ 35,000
Other	\$ 0	\$ 0
Total Estimated Project Cost	\$100,000	\$100,000
Allocation thru FY 2008	\$ 20,000	\$ 0
Allocation for FY 2009	\$ 80,000	\$ 0
Allocation for FY 2010	\$ 0	\$ 65,000
Balance to Complete after FY 2010	\$ 0	\$ 0
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Complete Feasibility Phase; Initiate Design and Implementation Phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase – FY2010; DI Phase – FY 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Latham (IA-4); Senators Grassley and Harkin (IA)

DISTRICT: Rock Island

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Flood Damage Reduction

PROJECT NAME: Crow River, County Road 50, Hennepin County, Minnesota

AUTHORIZATION: Section 14 of the 1946 Flood Control Act, as amended.

LOCATION: Project is located along the Crow River in Hennepin County, Minnesota.

DESCRIPTION: The high steep bank of the Crow River is within 10 feet of County Road 50 in Hennepin County. CR 50 is a high use commuter route to the metro area. The project will provide streambank protection along the river to reduce erosion and help prevent damage to the county road.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$ 100,000	\$ 1,000,000
Estimated Non-Federal Cost	0	535,000
Cash	(0)	(500,000)
Other	(0)	(35,000)
Total Estimated Cost	\$ 100,000	\$ 1,535,000
Allocations thru FY 2008	\$ 100,000	0
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	\$ 200,000
Balance to Complete after FY 2010	0	\$ 800,000
Benefit to Cost Ratio @ 7%	TBD	TBD

FY 2010 ACTIVITIES: With available funds, complete Federal Interest Report. If a federal interest is identified, initiate design and implementation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Paulsen (MN-3) and Ellison (MN-5); Senate: Klobuchar and Franken (MN)

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAMS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Des Moines River, Keosauqua, Iowa

AUTHORIZATION: Section 14 of the FCA 1946 (Public Law 79-526), as amended.

LOCATION: The project is located along the west bank of the Des Moines River, adjacent to the downtown area of the City of Keosauqua. The project site is located in Section 36, Township 69 North, Range 10 West in Van Buren County, IA.

DESCRIPTION: The west bank of the Des Moines River is actively eroding along Front Street in the City of Keosauqua. Public utilities located between the Des Moines River and Front Street are at risk of damage due to the erosion. The project would stabilize the bankline and protect the utilities and street right-of-way from further erosion and potential failure.

<u>SUMMARIZED FINANCIAL DATA:</u>	Feasibility	FY 2010 <u>DI</u>
Estimated Federal Cost	\$ 100,000	\$285,000
Estimated Non-Federal Cost	0	\$ 99,000
Cash		\$ 0
Other		\$ 0
Total Estimated Project Cost	\$ 100,000	\$384,000
Allocation thru FY 2008	\$ 20,000	\$ 0
Allocation for FY 2009	\$ 40,000	0
Recovery Act Allocations To Date	\$ 0	\$ 0
Allocation for FY 2010	\$ 40,000	50,000
Balance to Complete after FY10	\$ 0	\$235,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Project has been determined to be of no Federal interest and will be terminated.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Loeb sack (IA-2). Senators Grassley and Harkin (IA).

DISTRICT: Rock Island

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Flood Damage Reduction

PROJECT NAME: Fargo, North Dakota – Ridgewood Addition

AUTHORIZATION: Section 205 of the 1948 Flood Control Act, as amended.

LOCATION: The project is located on the north side of Fargo, North Dakota, along the west bank of the Red River of the North. It would protect the Department of Veterans Affairs (VA) hospital and that portion of Fargo between 15th Avenue North and 22nd Avenue North. Approximately one-third of the project is located on Federal land managed by the U.S. Department of Veterans Affairs.

DESCRIPTION: High ground at the ends of the project is at elevation 899.5 feet msl. The plan that maximizes net economic benefits, called the National Economic Development (NED) plan, would be built to elevation 899.5 feet msl. The city and the VA prefer an alternative that would provide a flood barrier at elevation 902.6 feet msl. The additional 3.1 feet would facilitate flood-fighting activities for floods larger than a 40-year event. The locally preferred plan is the recommended plan. The project consists of levees, floodwalls, and associated interior drainage structures.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 5,182,000
Estimated Non-Federal Cost	4,441,000
Cash	(1,141,000)
Other	(3,300,000)
Total Estimated Cost	\$ 9,623,000
Allocations thru FY 2008	\$ 4,970,000
Allocation for FY 2009	127,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	85,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	3.4

FY 2010 ACTIVITIES: Complete project construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: House: Pomeroy (ND-AL). Senate: Conrad and Dorgan (ND)

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME/STUDY: Fox River, Kahoka, MO

AUTHORIZATION: Section 14 of the FCA 1946 (Public Law 79-526), as amended.

LOCATION: The project area is just north of the Route 136 bridge crossing the Fox River in Kahoka, MO. The site is located in Section 31, Township 65 North, Range 6 West, Des Moines Township, Clark County, MO.

DESCRIPTION: The west bank of the Fox River is eroding, leaving a water main exposed. Exposure of the water line allows risk of damage from floating debris or other contact. A temporary solution enacted by the sponsor has been to place riprap around the exposed portion of the line to reduce the immediate risk of damage until a more permanent solution can be implemented. Further erosion will increase the length of waterline exposed, increasing its vulnerability and the likelihood of damage. If this line is broken, it will interrupt water service to the City of Kahoka and approximately 2,500 customers.

<u>SUMMARIZED FINANCIAL DATA:</u>	Feas	FY 2010	DI
Estimated Federal Cost	\$100,000		\$182,000
Estimated Non-Federal Cost	\$ 0		\$ 98,000
Cash	\$ 0		\$ 98,000
Other	\$ 0		\$ 0
Total Estimated Project Cost	\$100,000		\$280,000
Allocation thru FY 2008	\$100,000		\$ 0
Allocation for FY 2009	\$ 0		\$ 0
Recovery Act Allocation To Date	\$ 0		\$ 0
Allocations for FY2010	\$ 0		\$ 50,000
Balance to Complete after FY2010	\$ 0		\$132,000
Benefit to Cost Ratio at 7%			N/A

FY 2010 ACTIVITIES: Continue Feasibility Phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

ISSUES AND OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Hulshof (MO-9). Senators Bond and McCaskill (MO).

DISTRICT: Rock Island

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Germantown, Lateral D, Tennessee

AUTHORIZATION: Flood Control Act of 1946, Sec. 14, as amended; WRDA 2007, Sec. 1003

LOCATION: The study area is located in the city of Germantown, in Shelby County, Tennessee, about 3,500 feet east of the intersection of Farmington Boulevard and Kimbrough Road.

DESCRIPTION: Erosion problems on Lateral D could endanger Farmington Boulevard at the box culvert crossing. The proposed project consists of an energy dissipating stilling basin at the box culvert to alleviate the threat. The local sponsor is the City of Germantown.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$ 100,000	\$ 681,500
Estimated Non-Federal Cost	\$ 0	\$ 367,000
Cash	(0)	(TBD)
Other	(0)	(TBD)
Total Estimated Cost	\$ 100,000	\$ 1,048,500
Allocations thru FY 2008	\$ 100,000	\$ 0
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	50,000
Balance to Complete After FY 2010	\$ 0	\$ 631,500
Benefit to Cost Ratio at 7%		38.0

FY 2010 ACTIVITIES: FY 2010 funds are being used to negotiate and execute the Project Partnership Agreement and initiate design activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The feasibility study is scheduled to be completed in May 2010. The scheduled completion date of the Design and Implementation phase is undetermined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Blackburn TN-7. Senate: Alexander and Corker (TN).

DISTRICT: Memphis

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Hwy 237, Sulphur River, Miller County, AR

AUTHORIZATION: Section 14 of the FCA of 1946, as amended.

LOCATION: The project area is located in Miller County, AR, downstream of Wright – Patton Lake outfall.

DESCRIPTION: The project will study highway embankment failure along a portion of Hwy 237 that crosses Sulphur River.

	FY 2010	
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$100,000	\$ 750,000
Estimated Non-Federal Cost		350,000
Total Estimated Project Cost	100,000	1,100,000
Allocation thru FY 2008	100,000	0
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	50,000
Balance to Complete after FY 2010	0	600,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Funds are being used to continue studies and initiate preparation of the feasibility report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The Arkansas State Highway and Transportation Department fully supports this project and has expressed their willingness to serve as the non-Federal sponsor.

CONGRESSIONAL INTEREST: House: Ross (AR-04); Senate: Pryor and Lincoln (AR).

DISTRICT: Vicksburg

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Indian Creek, Cedar River, Cedar Rapids, IA

AUTHORIZATION: Section 205 of the FCA of 1948 (Public Law 80-858), as amended.

LOCATION: The project is located in Linn County Iowa, to the northeast of the Cedar Rapids metropolitan area.

DESCRIPTION: The Indian Creek and Dry Run Creek watersheds have a total drainage area of 77.6 square miles. On June 4, 2002 these watersheds experienced significant rainfall. The 24-hour rainfall totals ranged from 4.5 inches to 6.5 inches. Rain, which fell over the previous days, brought area streams to near capacity and saturated the soils, thereby magnifying the runoff and amplifying the resulting flood. The June flood caused extensive damage to both public and private property. Because of the event's severity, the Linn County Regional Planning Commission established a Flood Study Technical Advisory Committee (TAC). The goal of the TAC was to define structural and non-structural flood reduction methods for both the watershed's existing development patterns and a future scenario assuming full development. The TAC is no longer an active participant in the flood damage reduction planning for the watershed. The City of Cedar Rapids has assumed the local sponsor role for this feasibility study. An initial assessment of the watershed was completed in 2004 which recommended that the Corps undertake a detailed feasibility study to evaluate flood damage reduction alternatives and to determine if there was a Corps interest in implementing a flood damage reduction plan.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>FEASIBILITY</u>
Estimated Federal Cost	\$499,000
Estimated Non-Federal Cost	\$399,000
Cash	\$399,000
Other	\$ 0
Total Estimated Project Cost	\$898,000
Allocations thru FY 2008	\$100,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$264,000
Balance to Complete after FY 2010	\$135,000
Benefit Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used to execute the Feasibility Cost Share Agreement (FCSA) and continue feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Loeb sack (IA-02); Senators Harkin and Grassley

DISTRICT: Rock Island

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: McKinney Bayou, Tunica County, MS

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended.

LOCATION: The project is located in northeast Tunica County, Mississippi, and includes the entire McKinney Bayou watershed. This area functions as a flood control and water management system for a 43-square-mile basin.

DESCRIPTION: Significant changes within the watershed due to extreme pressures caused by improved agricultural technology and tremendous urban growth have contributed to such frequent flooding at such critical times that water resource improvements in the watershed are needed. The prolonged inundation is causing infrastructure, agricultural, and environmental damages.

	FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$485,000	\$4,838,000
Estimated Non-Federal Cost	385,000	4,838,000
Cash	(352,000)	(484,000)
Other	(33,000)	(4,354,000)
Total Estimated Project Cost	870,000	9,676,000
Allocation thru FY 2008	452,000	0
Allocation for FY 2009	15,000	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	18,000	50,000
Balance to Complete after FY 2010	0	4,788,000
Benefit to Cost Ratio @ 7% (___%)	N/A	2.83

FY 2010 ACTIVITIES: Funds are being used to complete feasibility studies.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010.

OTHER INFORMATION: Future plans and projections for the McKinney Bayou watershed forecast continued growth. The Tunica County Soil and Water Conservation District is the project sponsor. An investigation is being conducted to evaluate the potential to alleviate flooding in the McKinney Bayou watershed.

CONGRESSIONAL INTEREST: House: Thompson (MS-02); Senate: Cochran and Wicker (MS).

DISTRICT: Vicksburg

NAVIGATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Calcasieu River & Pass Navigation, LA

AUTHORIZATION: RHA 22 Dec 44 and 2 Mar 45, HRs 23 Jun 64, 5 Oct 66, 3 Oct 68, and 2 Dec 70. Interim study under the Mermentau, Vermillion, and Calcasieu Rivers and Bayou Teche, LA study authority.

LOCATION: The study area is located in southwestern Louisiana in Calcasieu and Cameron Parishes

DESCRIPTION: The existing Calcasieu River and Pass project provides for a 40- by 400-foot wide channel from the Gulf of Mexico to the wharves of the Port of Lake Charles (mile 34.1); a turning basin at mile 29.6; and a 35- by 250-foot deep channel from Mile 34.1 to Mile 36.

	FY 2010 Study
SUMMARIZED FINANCIAL DATA	
Estimated Federal Cost	\$1,430,000
Estimated Non-Federal Cost	1,188,000
Cash	985,000
Other	45,000
Total Estimated Cost	2,618,200
Allocation thru FY 2008	1,081,000
Allocation for FY 2009	80,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	269,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Reevaluate benefit to cost ratios for selected plan, completed environmental assessment and feasibility level engineering.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, FY 2010 if terminated.

OTHER INFORMATION: The FCSA was signed on 12 February 2007 with the Lake Charles Harbor and Terminal District, the local sponsor. A significant portion of the tonnage is crude oil, refined petroleum products, industrial chemicals, and other bulk cargo. Liquefied Natural Gas vessel traffic has been increasing and is projected to continue to increase. Deep-draft vessels cannot meet on the relatively narrow channel, and traffic is restricted to one-way, resulting in delays to vessels that must wait until oncoming traffic clears the channel. The feasibility study will address navigation efficiency; specifically, the feasibility of anchorage areas. Current benefit-to-cost ratios are below 1 for the selected plan. Recommendation to terminate project may be forthcoming.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter (LA); House: Boustany (LA-7)

DISTRICT: New Orleans

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Port of Iberia, LA

AUTHORIZATION: Section 1001(25) of WRDA 2007

LOCATION: The Port of Iberia is located in south central Louisiana near the coast in Iberia Parish.

DESCRIPTION: The recommended plan project features provide for the enlargement of 20 miles of the Gulf Intracoastal Waterway (GIWW), 18 miles of the Freshwater Bayou (FWB), 7.5 miles of the bar channel, 5.8 miles of the Commercial Canal, and approximately 4 miles through the Port of Iberia itself. The enlarged channel would provide a 16-foot depth (plus 2-foot of advanced maintenance and 1 foot of allowable overdepth) and a 150-foot width. Two new concrete barge floodgates with concrete receiving structures would be constructed for salinity control and navigation – one at each end of the FWB Bypass Channel. The movement of oil exploration into deeper water in the Gulf requires larger offshore oil rigs that cannot be delivered via the POI's existing 12-foot channels. The Chief's report, signed December 31, 2006, recommended the existing channels be dredged to a 16-foot navigable depth. The dredged material would be used to reestablish the bank line, create marsh, and nourish the shoreline resulting in net positive environmental impacts.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010
		<u>PED</u>
Estimated Federal Cost	\$	4,500,000
Estimated Non-Federal Cost		1,500,000
Cash		(1,374,000)
Other		(126,000)
Total Estimated Cost	\$	6,000,000
Allocation thru FY 2008	\$	2,260,000
Allocation for FY 2009		566,000
Recovery Act Allocations to Date		0
Allocation for FY 2010		538,000
Balance to Complete after FY 2010		1,136,000
Benefit to Cost Ratio @ 7%		2.04

FY 2010 ACTIVITIES: FY 2010 activities include updating of the project benefits and the determination of the economic justification of the Port of Iberia project. If a Post Authorization Change is determined to be the appropriate path forward for the WRDA 2007 directed plan, a draft Environmental Impact Statement will also be prepared. If the project is considered not economically justified, resources may be used for the preparation of a negative report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To Be Determined.

OTHER INFORMATION: The District has determined that the placing of dredged material is consistent with the mitigation plan in the Chief's Report of 2006. The updated MII construction cost estimate was completed in October 2009. This estimate officially confirmed that the Section 902 limit has been exceeded. A benefits update to determine the economic feasibility of the project is scheduled for completion in FY 2010.

CONGRESSIONAL INTE REST: Senate: Landri eu and Vitter (LA); Hou se: Melancon (L A-3), Boustany (LA-7).

DISTRICT: New Orleans

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Upper Mississippi River – Illinois Waterway, Navigation and Ecosystem Restoration Program, IL, IA, MN, MO, WI

AUTHORIZATION: Water Resources Development Act of 2007, TITLE VIII

LOCATION: The program area comprises the Upper Mississippi River System, as defined by Congress in the Water Resources Development Act of 1986 (WRDA 1986), which includes the Upper Mississippi River from Minneapolis, Minnesota, to Cairo, Illinois, and the Illinois Waterway from Chicago to Grafton, Illinois.

DESCRIPTION: The Upper Mississippi River-Illinois Waterway System Navigation Study was completed in September 2004 and addresses the navigation improvement and ecological restoration needs for the Upper Mississippi River, Illinois Waterway system for the years 2000-2050. The final recommendation includes a program of incremental implementation and comprehensive adaptive management to achieve the dual purposes of ensuring a sustainable natural ecosystem and navigation system.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>PED</u>
Estimated Federal Cost \$	76,169,000
Estimated Non-Federal Cost	0
Total Estimated Cost \$	76,169,000
Allocation thru FY 2008 \$	46,171,000
Allocation for FY 2009	8,744,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	6,276,000
Balance to Complete after FY 2010	\$ 14,978,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY2010 efforts are focused on both the continuation and completion of planning and design activities on many of the 28 projects started in 2005. This original set of projects was selected to support the broad based implementation specified in the Final Recommended Plan dated December 2004, including: design of mooring cells and switchboats; design for a total of three new 1200 foot locks one at Lock and Dam 22, Lock and Dam 25, and LaGrange; conducting environmental mitigation studies; research into non-structural improvements and demand forecasting tools; develop ecosystem restoration adaptive management plans; fish passage project design; Lock and Dam 25 dam point control planning; & design for several habitat restoration & floodplain restoration projects. Planning and Design efforts over the past four years have prepared several small scale navigation and ecosystem projects for construction starts.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To Be Determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senate : Grassley (IA); Harkin (IA); Durbin (IL); Burris (IL); Franken (MN); Klobuchar (MN); Bond (MO); McCaskill (MO); Feingold (WI); Kohl (WI); House: Bral ey (IA-1); Loeb sack (IA-2); Boswell (IA-3); Latham (IA-4); King (IA-5); Kind (WI-3); Obey (WI-7); Ma nzullo (IL-16); Ha re (I L-17); Scho ck (IL-18); Sh imkus (IL-19) ; Costello (I L-12); Clay (MO-1); Akin (MO-2); Leutkemeyer (MO-9); Emerson (MO-8); Carnahan (MO-3); Walz (MN-1); Kline (MN-2); Oberstar (MN-8).

DISTRICT: Rock Island

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: White River Navigation to Batesville, Arkansas

AUTHORIZATION: WRDA 1986, deauthorized by WRDA 1988, and reauthorized by Section 363, WRDA 1996. The Consolidated Appropriations Act 2008, Sec. 131 modified the authorization to extend the project from Mile 255, near Newport, Arkansas, to approximately Mile 296, near Batesville, Arkansas; to include a harbor at Batesville, Arkansas; and environmental restoration within the White River Basin including federally owned lands.

LOCATION: The project is located in central Arkansas on the White River between River Mile 10 and 296.

DESCRIPTION: The purpose of the reevaluation currently underway is to determine if navigation improvements, along with recreation and environmental elements, are feasible for the stretch of the river from AR Canal Post (Mile 10) to Newport, AR (Mile 255). This reevaluation was initiated in FY 1998 and studies indicate that a channel with a bottom width of 125 feet and a depth of nine feet is potentially economically and environmentally feasible. The purpose of the new reevaluation, from Newport, AR (Mile 255) to Batesville, AR (Mile 296), would be to reevaluate the feasibility of a navigation channel, as well as a harbor at Batesville and environmental restoration features.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Preconstruction Engineering and Design</u>	FY 2010
Estimated Federal Cost		\$ 5,230,000
Estimated Non-Federal Cost		\$ 500,000
Cash		(500,000)
Other		(0)
Total Estimated Cost		\$ 5,730,000
Allocation thru 2008		\$ 3,041,000
Allocation for FY 2009		287,000
Recovery Act Allocations to Date		0
Allocation for FY 2010		359,000
Balance to Complete after FY 2010		\$ 1,543,000
Benefit to Cost Ratio @ 7%		1.6 ¹

¹ For project from AR Post Canal to Newport, AR, only. BCR for Newport to Batesville, AR is TBD.

FY 2010 ACTIVITIES: Funds are being used to continue the reevaluation of a project from the AR Post Canal to Newport, AR and to reevaluate Federal interest in the portion of the project from Newport to Batesville, AR. For the reevaluation from AR Post Canal to Newport, AR a revised Project Management Plan (PMP) has been generated to reflect current project conditions and incorporate current planning and policy guidelines that govern Corps projects. Survey data and 360 degree GIS video data is being gathered and updated navigation maps are being generated. The reevaluation from Newport to Batesville will determine the likelihood of an implementable plan that is in the Federal government's interest (a positive Benefit-Cost Ratio), as well as identify the non-Federal sponsors.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The sponsor for the project from the AR Post Canal to Newport, AR is the Arkansas Waterways Commission. A sponsor for the project from Newport to Batesville, AR has not been identified.

CONGRESSIONAL INTEREST: Senate: Lincoln and Pryor (AR); House: Berry (AR-1), Snyder (AR-2).

DISTRICT: Memphis

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Red River Emergency Bank Protection, AR, LA, OK, and TX

AUTHORIZATION: RHA 68; WRDA 76.

LOCATION: The project is located in northwest Louisiana, southwest Arkansas, southeast Oklahoma, and northeast Texas, along the Red and Old Rivers between the mouth of Old River at its juncture with the Mississippi River and Denison Dam, Texas.

DESCRIPTION: The project provides for protection of critical infrastructure and land along the river. The project plan provides for revetment, dikes, and cutoffs that can be accomplished in advance of developing the design for the entire project.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$144,668,000
Estimated Non-Federal Cost	2,182,000
Cash	(7,000)
Other	(2,175,000)
Total Estimated Cost	146,850,000
Allocation thru FY 2008	139,731,000
Allocation for FY 2009	2,951,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	1,986,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7% (___%)	.6

FY 2010 ACTIVITIES: Funds are being used to fully fund construction of Dickson revetment Phase II and initiate design of Float revetments I, II, and III.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Ross (AR-4) and Fleming (LA-4); Senate: Lincoln and Pryor (AR); Vitter and Landrieu (LA).

DISTRICT: Vicksburg

OPERATION AND MAINTENANCE

FACT SHEET
OPERATION AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: New Madrid Harbor, Mile 889, Missouri

AUTHORIZATION: WRDA 1996, Sec. 509 (resumption of Federal maintenance)

LOCATION: The New Madrid Harbor is located at Mississippi River mile 889 adjacent to the city of New Madrid in New Madrid County, Missouri.

DESCRIPTION: The Corps constructed this fast water harbor in 1970 under Section 107 of the Rivers and Harbors Act of 1960. The approved channel dimensions are 9 feet deep by 150 feet wide by 9,400 feet long with a 250-foot radius turning basin at the lower end. The City of New Madrid is the local interest.

<u>SUMMARIZED FINANCIAL DATA</u> :	FY 2010 <u>O&M</u>
Allocation for FY 2008	\$187,000
Allocation for FY 2009	\$138,180
Recovery Act Allocation to Date	\$400,000
Allocation for FY 2010	\$240,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds are being used to perform surveys to determine harbor conditions and fully dredge the harbor to the authorized dimensions.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Emerson (MO-8). Senate: Bond & McCaskill (MO)

DISTRICT: Memphis

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Port of New Orleans Dredging (Napoleon Avenue Container Terminal Access), LA.

AUTHORIZATION: Section 107, River and Harbor Act of 1962, as amended.

LOCATION: The project area is located within the Port of New Orleans on the bank of the Mississippi River in New Orleans, LA.

DESCRIPTION: The project purpose is to dredge and maintain the navigation access to the Port, specifically the Napoleon Avenue Container Terminal, the Nashville Avenue Wharf, and other wharf systems to be determined during feasibility, by deepening the terminal berthing area to a depth not to exceed the authorized channel depth of the Mississippi River ship channel.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 350,000
Estimated Non-Federal Cost \$	250,000
Cash	
Other	
Total Estimated Cost \$	600,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 250,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Initiate feasibility study; determine Federal interest, sign FCSA.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: This small navigation enhancement project will create significant economic and business benefits for the Port of New Orleans, and will aid the on-going recovery effort for the greater New Orleans area.

CONGRESSIONAL INTEREST: Senators Landrieu and Vitter; Cao (LA-2).

DISTRICT: New Orleans

ENVIRONMENT

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Humboldt, Iowa

AUTHORIZATION: House Resolution Docket 2783, adopted May 23, 2007

LOCATION: Humboldt, Iowa, is located in north central Iowa along the West Fork of the Des Moines River approximately 115 miles northwest of Des Moines. Humboldt is immediately upstream of the confluence of the East and West Forks of the Des Moines River.

DESCRIPTION: The dams at Humboldt and Rutland preclude upstream riverine habitat use by fish and other aquatic resources. This fragmentation and restricted fish movement created by the dams has had an adverse affect to the ecological health of the river system. The two dams block fish from accessing potentially suitable spawning, feeding, resting, and shelter habitats. Further, local tributaries are experiencing bed and bank instability resulting in larger than expected sediment loads. These transported and deposited sediments are negatively impacting aquatic organisms and water quality. The co-sponsor for the project will be Humboldt County, Iowa.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Recon</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$100,000	\$330,000
Estimated Non-Federal Cost	0	330,000
Total Estimated Study Cost	100,000	660,000
Allocations thru FY 2008	98,000	0
Allocation for FY 2009	2,000	24,000
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	121,000
Balance to Complete After 2010	0	185,000
Benefit to Cost Ratio Applicable Rate (7%)	N/A	N/A

FY 2010 ACTIVITIES: Complete Reconnaissance phase, execute the Feasibility Cost Share Agreement with sponsor, and initiate the project Feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Reconnaissance phase will complete in second quarter of FY 2010.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senate: Grassley and Harkin (IA)
House: Latham (IA-4)

DISTRICT: Rock Island

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Lower Mississippi River Resource Assessment, AR, IL, KY, LA, MS, MO, & TN

AUTHORIZATION: WRDA 2000, Section 402

LOCATION: The study area covers portions of seven states and 235 counties and parishes. It is made up of river reaches and adjacent floodplains within the Lower Mississippi River alluvial valley (LMRAV) having commercial navigation channels on the Mississippi main stem and tributaries south of Cairo, IL, and the Atchafalaya Basin Floodway system.

DESCRIPTION: The study will provide a vehicle for multi-agency collaborative planning and the resultant report to congress could provide a platform to make recommendations for long-term institutional measures, to forecast data needs, determine recreational demand, explore habitat restoration opportunities, ascertain financial resource needs and influence public policy directives.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Reconnaissance</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 500,000	\$ 1,250,000
Estimated Non-Federal Cost	\$ 0	\$ 1,250,000
Cash	(0)	(625,000)
Other	(0)	(625,000)
Total Estimated Project Cost	\$ 500,000	\$ 2,500,000
Allocations thru 2008	\$ 246,000	\$ 0
Allocation for FY 2009	243,000	0
Recovery Act Allocation to Date	0	0
Allocation for FY 2010	0	112,000
Balance to Complete	\$ 11,000	\$ 1,138,000
Benefit to Cost Ratio @ 7%		TBD

FY 2010 ACTIVITIES: The final draft reconnaissance report is scheduled to be approved by 31 March 2010. The reconnaissance phase is scheduled to be completed 30 September 2010. Funds are available to initiate the feasibility phase upon execution of the Feasibility Cost Sharing Agreement (FCSA).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: The reconnaissance report recommends that an integrated watershed analysis be conducted for the Lower Mississippi River Resource Assessment (LMRRA) project area and that a feasibility-level study be conducted to construct restoration projects including dike notching, secondary channel restoration, and oxbow lake restoration. The potential sponsor for the watershed study is the Lower Mississippi River Conservation Committee (LMRCC). A potential sponsor has not been identified for the feasibility study.

CONGRESSIONAL INTEREST: Senate: Lincoln and Pryor (AR); Durbin and Burr (IL); McConnell and Bunning (KY); Landrieu and Vitter (LA); Cochran and Wicker (MS); Bond and McCaskill (MO); Alexander and Corker (TN); House: Berry (AR-01), Snyder (AR-02), Ross (AR-04), Costello (IL-12), Shimkus, (IL-19), Whitfield (KY-01), Jindal (LA-01), Jefferson (LA-02), Melancon (LA-03), McCrery (LA-04), Alexander (LA-05), Baker (LA-06), John (LA-07), Emerson (MO-08), Childers (MS-01), Thompson (MS-02), Tanner (TN-08), Blackburn (TN-07), Cohen (TN-09).

DISTRICT: Memphis

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Minnehaha Creek Watershed, Minnesota (Upper Mississippi River, Lake Itasca to L/D 2, Minnesota)

AUTHORIZATION: HR, Docket 2597, 15 Apr 99

LOCATION: Hennepin County, Minnesota

DESCRIPTION: The Minnehaha Creek Watershed District (MCWD) covers approximately 181 square miles in the western Twin Cities suburbs and Minneapolis metropolitan area. The study developed a Comprehensive Watershed Management Plan which has been used as a vehicle for identifying the Federal and local interest in addressing problems, to include changed / restored hydrologic regimes, loss of habitat and flooding.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$2,350,000
Estimated Non-Federal Cost	2,350,000
Cash	(0)
Other	(2,350,000)
Total Estimated Cost	\$ 4,700,000
Allocations thru FY 2008	\$ 1,160,000
Allocation for FY 2009	382,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	305,000
Balance to Complete after FY 2010	503,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue the feasibility study. Study effort would be to modify the dam operating plan at Gray's Bay and proceed with restoration opportunities in the 6-mile sub-watershed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To Be Determined.

OTHER INFORMATION: The project sponsor completed a draft Comprehensive Watershed Management Plan (CWMP) in early 2007. The project is now progressing towards alternative development after a number of sites with potential Federal interests have been identified. There is the potential for the restoration of wetlands and riparian habitat, weir removal, and creation of beneficial environmental corridors. The watershed is under development pressure due to its proximity to Minneapolis.

CONGRESSIONAL INTEREST: Senate: Franken and Klobuchar (MN); House: Paulsen (MN-3) and Ellison (MN-5);

DISTRICT: St. Paul

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Peoria Riverfront Development, IL

AUTHORIZATION: WRDA 2007, Sec 1001(19).

LOCATION: Illinois River between Henry and Naples, Illinois, with specific focus on Peoria Lake from Illinois River Miles 181.0 to 158.0 and tributaries draining into Peoria Lake.

DESCRIPTION: The State of Illinois, Department of Natural Resources, is the sponsor for this project. The feasibility study phase was completed in 2003 and the Preconstruction Engineering and Design (PED) phase was initiated for the Upper Island in Jan 2004 following receipt of state funding. The principal goal is to improve depth diversity enhancing aquatic habitat in Peoria Lake with ancillary recreational benefits. The recommended plan includes dredging approximately 200 acres within Lower Peoria Lake to create deepwater habitats and constructing three islands with a total area of 75 acres. In September 2004, approval was given to construct the Upper Island (55 acres of dredging with 21 acre island) as a Critical Restoration Project under the Illinois River Basin Restoration (Sec 519 – WRDA 2000) authority. Authority to construct the Lower Islands was provided in WRDA 2007.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010
		<u>PED</u>
Estimated Federal Cost	\$	1,402,500
Estimated Non-Federal Cost		\$ 467,500
Cash		\$ 467,500
Other		\$ 0
Total Estimated Cost	\$	1,870,000
Allocation thru 2008	\$	631,000
Allocation for FY 2009		\$ 48,000
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010		\$ 45,000
Balance to Complete after FY 2010		\$ 678,500
Benefit to Cost Ratio Applicable rate (7%)		N/A

FY 2010 ACTIVITIES: A design agreement and scope of work has been provided to the sponsor. Work will continue with the sponsor to execute the design agreement. Preconstruction Engineering and Design (PED) for the Lower Islands will be initiated when non-Federal funding is obtained.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED could be completed in FY 2010

OTHER INFORMATION: Construction authority was provided in WRDA 2007.

CONGRESSIONAL INTEREST: House: LaHood (IL-18); Senate: Burris and Durbin (IL)

DISTRICT: Rock Island

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: St. Croix River Basin, Minnesota & Wisconsin, (Sunrise River Watershed Study, MN and St. Croix Headwaters Watershed Study, WI)

AUTHORIZATION: HR, Docket 2705, 25 Sep 02

LOCATION: The St. Croix River Basin is in eastern Minnesota and western Wisconsin, and joins the Mississippi River near Prescott, Wisconsin.

DESCRIPTION: The Sunrise River extends from its confluence with the St. Croix River upstream through Chisago, Anoka, Isanti and Washington counties in eastern Minnesota. The St. Croix River Headwaters Watershed extends from Gordon dam upstream in far northwestern Wisconsin. Gordon dam marks the upstream extent of the St. Croix Wild and Scenic River designation. Both the Sunrise River and the St. Croix Headwaters Watershed studies will evaluate opportunities for Federal participation in projects that create and/or protect aquatic habitat, reduce erosion and sediment, maintain or improve water quality and reduce flood damages. Other water resource and recreation opportunities will also be considered. The study reports will include a watershed management planning document to help identify existing conditions, likely future conditions, future management goals, and actions to meet those goals.

<u>SUMMARIZED FINANCIAL DATA</u>	Sunrise River Watershed Study	St. Croix Headwaters Watershed Study	FY 2010 Total
Estimated Federal Cost	\$ 445,000	\$ 317,000	\$ 762,000
Estimated Non-Federal Cost	445,000	317,000	762,000
Total Estimated Cost	\$ 890,000	\$ 634,000	\$1,524,000
Allocation thru FY 2008	\$ 190,000	\$ 155,000	\$ 345,000
Allocation for FY 2009	138,000	125,000	263,000
Recovery Act Allocations to Date	0	0	0
Allocation for FY 2010	117,000	37,000	154,000
Balance to Complete after FY 2010	\$ 0	\$ 0	\$ 0
Benefit to Cost Ratio @ 7%	N/A	N/A	N/A

FY 2010 ACTIVITIES: Complete the two watershed studies: St. Croix Headwaters Watershed Study and Sunrise River Watershed Study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Sunrise River Watershed – 2010; St. Croix Headwaters Watershed – 2010.

OTHER INFORMATION: This study will complement the outputs from other Federal, State and local initiatives and will be a cooperative effort with local watershed boards, state resource agencies, non-governmental organizations and other Federal agencies, including the NRCS and USFWS.

CONGRESSIONAL INTEREST: Senate: Klobuchar and Franken (MN); Feingold and Kohl (WI); House: Bachmann (MN-6); Kind (WI-3); Obey (WI-7);

DISTRICT: St. Paul

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: St. Croix River Relocation of Endangered Mussels, Minnesota & Wisconsin (Zebra Mussel Control, Upper Mississippi River)

AUTHORIZATION: Section 216 of the River and Harbor and Flood Control Act of 1970 and Section 105(a)(2) of the Water Resources Development Act of 1986.

LOCATION: St. Croix and Upper Mississippi Rivers.

DESCRIPTION: This feasibility study is consistent with recommendations in the approved Section 905(b) Reconnaissance Report, which recommended a feasibility study at full Federal expense to investigate zebra mussel control measures throughout the entire Upper Mississippi and Illinois waterways, including the St. Croix River. As stated in the final Biological Opinion for the operation and maintenance of the Federal 9-Foot Navigation Channel Project on the Upper Mississippi River, the study is required in order to comply with Section 7(a)(2) of the 1973 Endangered Species Act (ESA).

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$ 2,410,000
Estimated Non-Federal Cost	0
Total Estimated Cost	\$ 2,410,000
Allocation thru FY 2008	\$ 716,000
Allocation for FY 2009	335,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	350,000
Balance to Complete after FY 2010	\$1,009,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds in the amount of \$350,000 will be used to continue the feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To Be Determined.

OTHER INFORMATION: Development and implementation of zebra mussel control measures is extremely time sensitive since the endangered Higgins eye mussel faces extinction and the winged mussel on the St. Croix River is also being threatened by zebra mussels. The feasibility study will take 5 years to complete. Alternatives to be studied will include such things as managing habitat to control zebra mussels, closing portions of the St. Croix and/or Upper Mississippi River System, cleaning/coating technologies, and barriers to prevent transport of zebra mussels. The study will also identify what actions are necessary to conserve endangered mussels, including relocation.

CONGRESSIONAL INTEREST: Senate: Feingold and Kohl (WI); Klobuchar and Franken (MN); House: Walz (MN-1); Kline (MN-2); Bachmann (MN-6); Baldwin (WI-2); Kind (WI-3); Obey (WI-7); Braley (IA-1).

DISTRICT: St. Paul

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: White River Basin Comprehensive, Arkansas & Missouri

AUTHORIZATION: Section 729, WRDA 1986; Section 202, WRDA 2000; Section 2010, WRDA 2007

LOCATION: The White River Basin comprises approximately 28,000 square miles in northeastern Arkansas and southern Missouri.

DESCRIPTION: The purpose of the study is to develop a comprehensive watershed plan for the White River Basin. The plan will serve as a framework for the environmentally sustainable development of water resources within the White River Basin. The problems and potential solutions are being examined in a comprehensive manner, due to the interrelationships of the problems and potential solutions to all of the significant resources in the basin. Potential study outputs will address water resources needs and opportunities for water supply, flood control, waste water management, navigation, recreation, power generation, and other related needs identified in the comprehensive study. The basin contains five large multi-purpose reservoirs and one reservoir primarily for flood control; over 150 miles of flood control levees along the White River and its tributaries; two major national wildlife refuges; and the largest remaining concentration of seasonally flooded bottomland hardwoods in the Mississippi Valley.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 6,610,000
Estimated Non-Federal Cost	2,150,000
Cash	(661,000)
Other	(1,489,000)
Total Estimated Cost	\$ 8,760,000
Allocation thru 2008	\$ 3,062,000
Allocation for FY 2009	215,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	103,000
Balance to Complete	\$ 3,230,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Current year funds are being used to complete an unsteady flow model, a sedimentation study, and the analysis of an evaluation of potential benefits and impacts to the Cache River and Bayou DeView floodplains as a result of removal of a channel blockage near Grubbs, Arkansas. Funds will also be used to commence a study to analyze the impacts of hydrologic & geomorphic changes on vegetation communities of the White River Basin.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: WRDA 2007 modified the non-Federal cost sharing from 50 percent to 25 percent. Cost-sharing sponsors are: AR Natural Resources Commission, AR Game and Fish Commission, AR Natural Heritage Commission, AR Waterways Commission, Missouri Department of Conservation, Missouri Department of Natural Resources, and The Nature Conservancy.

CONGRESSIONAL INTEREST: Senate: Lincoln & Pryor (AR), Bond & McCaskill (MO); House: Berry (AR-1), Snyder (AR-2), Ross (AR-4), Emerson (MO-8).

DISTRICT: Memphis

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Wild Rice River, Minnesota (Red River of the North Basin)

AUTHORIZATION: SR, 30 Sep 74

LOCATION: The Wild Rice River is a tributary of the Red River of the North in northwestern Minnesota, about 250 miles northwest of Minneapolis – St. Paul, Minnesota.

DESCRIPTION: The Wild Rice River is 160 miles long with a drainage area of about 1,600 square miles. Agriculture dominates the basin's economy, and extensive work has been done to limit the effects of flooding. Early analysis in the feasibility study indicated that there was potential for ecosystem restoration along the lower reaches of the Wild Rice River.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$2,400,000
Estimated Non-Federal Cost	2,400,000
Total Estimated Cost	\$4,800,000
Allocation thru FY 2008	\$ 1,152,000
Allocation for FY 2009	259,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	243,000
Balance to Complete after FY 2010	746,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Continue feasibility study, including possible re-scoping of the study plan to include flood storage alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To Be Determined.

OTHER INFORMATION: Interested parties include the Minnesota Department of Natural resources (DNR), the Fish and Wildlife Service, the Board of Water and Soil resources, the Farm Service Agency, local citizen groups and the Wild Rice Watershed Board. The project local sponsor is the Wild Rice Watershed District. The local sponsor requested that study efforts be put on hold in May 2009 while the Wild Rice Watershed Board considers the future direction of the study

CONGRESSIONAL INTEREST: Senate: Klobuchar and Franken (MN); House: Peterson (MN-7)

DISTRICT: St. Paul

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: East St. Louis & Vicinity, Illinois

AUTHORIZATION: Sec 204, FCA 65; Sec 137, WRDA 76; E&WDAA 97; Sec 310, WRDA 00; Sec 1001(18), WRDA 07.

LOCATION: The project is located in Madison and St. Clair Counties, Illinois, along the east bank of the Mississippi River between river miles 175 and 195 above the mouth of the Ohio River.

DESCRIPTION: The project area includes approximately 55,000 acres of flood plain that is protected by a levee system along the Mississippi River, the Chain of Rocks Canal, the Prairie du Pont Canal, and the Cahokia Creek Diversion Channel and an additional 51,000 acres of tributary watershed, all of which are rapidly becoming urbanized. The ecosystem restoration project will restore bottomland forest habitat (1,700 acres), flood plain prairie habitat (1,100 acres), marsh and shrub swamp habitat (840 acres), lake habitat (460 acres), and upland riparian forest (380 acres). It will also restore 10 miles of flood plain stream and 178 miles of tributary streams. Flood damage reduction is incidental to the restoration project with an estimated \$1,445,000 in reduced average annual flood damages. The project would provide both feeding and resting resources for the federally-threatened bald eagle. The project lies within the Mississippi River Flyway and contributes to the life cycle requirements of more than 50 migratory bird species covered by international treaties and the state-threatened Illinois chorus frog. The wetland resources to be restored are considered scarce with over 85 percent of the wetlands in Illinois and other Midwestern states lost since the 1780's, and the decline is continuing.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 143,707,400
Estimated Non-Federal Cost	77,462,200
Cash	(35,696,000)
Other	(41,766,200)
Total Estimated Cost	\$ 221,169,600
Allocation thru FY 2008	3,921,000
Allocation for FY 2009	191,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	249,000
Balance to Complete after FY 2010	139,346,400
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue preconstruction monitoring; complete hydraulic modeling for the Cahokia Canal watershed; and continue the Elm Slough Engineering Documentation Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: In September 2006, the ASA(CW) requested that the General Reevaluation Report be revised and resubmitted. Following project authorization in WRDA 2007, USACE requested an ASA(CW) decision on inclusion of this project in future budget requests. In January 2009, the ASA(CW) recommended to the OMB that the project not be budgeted and OMB concurred.

CONGRESSIONAL INTEREST: House: Costello (IL-12), Shimkus (IL-19); Senate: Durbin and Burris (IL).

DISTRICT: St. Louis

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Blackhawk Bottoms, Des Moines County, IA (Blackhawk Bottoms, Burlington, Iowa)

AUTHORIZATION: Sec 204 of WRDA 1992 (Public Law 102-580) and Sec 2037 of WRDA 2007.

LOCATION: Blackhawk Bottoms is located in southeastern Iowa, Des Moines County, near the confluence of the Skunk and Mississippi Rivers.

DESCRIPTION: The State is interested in creating a moist soil unit on this former field using dredged material from the Kemps-Craigel dredge cut, which is part of the Rock Island District Regional Dredge Material Management Program. Low level berms would be created with the dredged material. In addition, construction of a water control structure would allow water from Spring Creek, which flows through the proposed project area, to pond water to a depth of approximately 18 inches at certain times of the year. A water level management regime similar to the natural cycle would allow the creation of quality moist soil plants. This habitat would be complimented by seasonal flooding to attract waterfowl during migration. The flooded wetlands would provide a food source for a multitude of species. The Iowa Department of Natural Resources will serve as the sponsor for this project. The State of Iowa owns and manages land near the confluence of the Skunk and Mississippi rivers that is a former agricultural field. The sponsor's real estate interest will satisfy a portion of its 35% cost share for Design and Implementation of the project.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>FEAS 1/</u>
Estimated Federal Cost \$	541,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Project Cost	\$ 541,000
Allocation thru FY 2008 \$	391,000
Allocation for FY 2009 \$	100,000
Recovery Act Allocations to Date	\$ 0
Allocations for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

1/Feasibility will be cost shared in the Design & Implementation phase.

FY 2010 ACTIVITIES: Complete the draft project Feasibility Report and conduct an internal Agency Technical Review and public review of the report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Loeb sack (IA-02); Senators Grassley and Harkin (IA)

DISTRICT: Rock Island

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Buras Marina, Plaquemines Parish, LA

AUTHORIZATION: Section 206, WRDA 1996 (P.L. 104-303), as amended

LOCATION: The study is located along the back levee of the New Orleans to Venice hurricane protection project within the vicinity of the Buras Marina in Plaquemines Parish, LA.

DESCRIPTION: This ecosystem restoration project would halt the erosion of brackish marsh along the south toe of the hurricane protection levee extending on either side of the marina and will protect 245 acres of marsh that provides a wildlife and fisheries habitat and provide for a buffer zone during storm surges from the Gulf.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 698,000
Estimated Non-Federal Cost	\$ 0
Cash	
Other	
Total Estimated Cost \$	698,000
Allocation thru FY 2008	\$ 232,000
Allocation for FY 2009	\$ 86,000
Allocation for FY 2010	\$ 350,000
Balance to Complete after FY 2010	\$ 30,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter LA; House: Melancon (LA-3)

DISTRICT: New Orleans

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Calcasieu River, Mile 5 to 14, Cameron Parish, Louisiana

AUTHORIZATION: Section 204, Water Resources Development Act of 1992, as amended; Section 2037, Water Resources Development Act of 2007.

LOCATION: The proposed project provides for the placement of shoal material from the Calcasieu River, Mile 5 to Mile 14, into the Cameron Creole Prairie National Wildlife Refuge.

DESCRIPTION: This disposal area is approximately 262 acres in size and consists of shallow open water located within an eroded marsh area. Retention dikes would be constructed as necessary to prevent dredged material from entering adjacent waterways. Trenches would also be constructed within the disposal area and retention dikes would be degraded as necessary to provide for circulation of water, the exchange of nutrients and the migration of aquatic organisms to and from the marsh/water interface.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 DI
Estimated Federal Cost	\$ 2,849,000
Estimated Non-Federal Cost \$	1,614,000
Cash	\$ 1,614,000
Other	\$ 0
Total Estimated Cost \$	4,463,000
Allocation thru FY 2008	\$ 50,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$2,748,000
Balance to Complete after FY 2010	\$ 51,000
Benefit to Cost Ratio @ 7%	(NA)

FY 2010 ACTIVITIES: Complete feasibility, execute PPA, and construct project in phase with the dredge cycle for the Calcasieu River.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Landrieu and Vitter (LA); Boustany (LA-7)

DISTRICT: New Orleans

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Drayton Dam, North Dakota

AUTHORIZATION: Section 206 of WRDA 1996, as amended.

LOCATION: The project is located on the Red River of the North just north of the city of Drayton, North Dakota. The Red River of the North and adjoining valley is a valuable natural resource to eastern North Dakota and northwestern Minnesota.

DESCRIPTION: Manmade “improvements” on the Red River have adversely affected fish populations by reducing both habitat and access to habitat. Loss of streambank and in-stream cover, access to spawning and wintering habitat, and alterations to flow regimes have reduced fish numbers and fish species diversity in the river. Alternatives that would likely be considered include a rockfill fish passage structure similar to that recently constructed for South Dam at Fargo, North Dakota. However, other alternatives may also be available that better suit the environment.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u> ^{1/}
Estimated Federal Cost	\$ 345,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Cost	\$ 345,000
Allocations thru FY 2008	\$ 115,000
Allocation for FY 2009	\$ 10,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	\$220,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7%	NA

^{1/} Feasibility will be cost-shared in DI phase.

FY 2010 ACTIVITIES: Continue feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: House: Pomeroy (ND-AL). Senate: Conrad and Dorgan (ND)

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Emiquon Floodplain Restoration, IL

AUTHORIZATION: Section 206 of WRDA 1996 (Public Law 104-303), as amended.

LOCATION: Thompson Drainage and Levee District (TDLD) is located immediately north of Havana, Illinois, and approximately 40 miles south of Peoria, Illinois, on the right descending bank of the Illinois River.

DESCRIPTION: The TDLD is part of The Nature Conservancy's (TNC) larger 7,100 acre Emiquon Project property, which also includes part of the Globe Drainage and Levee District and some adjacent areas. TNC's Emiquon Project includes approximately 98% or 5,400 acres of the TDLD. The Emiquon Project represents landscape scale restoration of one of the largest and historically most productive portions of the Illinois River. The site has been identified by TNC as a demonstration project. They expect that it will be an example of how degraded floodplains throughout the nation and world can be restored to functional wetlands. The principle problem is ecosystem degradation due to historic conversion of Illinois River floodplain (aquatic, wetland, forest, and prairie) habitat to agricultural uses and loss of ecological connections between the floodplain and Illinois River eliminating natural flood pulse and preventing use of the floodplain by native species during various life stages and times of the year. The goal is to restore, to the extent practical, quality, functional floodplain habitat and ecological processes that will sustain plant and animal communities that were native to the Illinois River Valley. TNC is actively seeking the Corps expertise in hydrology, floodplain construction, and project management to assist in making the restoration a success.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 Feas ^{1/}
Estimated Federal Cost	\$995,0	00
Estimated Non-Federal Cost		0
Total Estimated Cost	\$995,0	00
Allocation thru 2008	\$460,0	00
Allocation for FY 2009		300,000
Recovery Act Allocation to Date		0
Allocation for FY 2010		235,000
Balance to Complete		0
Benefit to Cost Ratio at 7%		N/A

1/ Feasibility cost will be cost shared during Design & Implementation

FY 2010 ACTIVITIES: Complete the draft project Feasibility Report and initiate internal Agency Technical Review.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: This project is an excellent example of collaborative conservation involving the Corps, USDA-Natural Resource Conservation Service, and The Nature Conservancy.

CONGRESSIONAL INTEREST: Hare (IL-17); Senators Durbin and Burriss (IL)

DISTRICT: Rock Island

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Houma Navigation Canal, Mile 12 to 31.4, Terrebonne Parish, LA.

AUTHORIZATION: Section 1135, WRDA of 1986, as amended.

LOCATION: The Houma Navigation Canal (HNC) is located approximately 45 miles southwest of New Orleans, Louisiana, in Terrebonne Parish. The HNC borders the Fallout Canal Marsh Management Area (FCMMA). This is an existing mitigation area managed by the Terrebonne Parish Consolidated Government consisting of approximately 13,355 acres of pristine cypress tupelo swamp.

DESCRIPTION: The shoreline of the Houma Navigation Canal is suffering from severe erosion due to tidal action and wave action caused by vessels navigating the channel. If erosion is allowed to continue, the entire area will be devastated by salt-water intrusion and eventually lead to the destruction of the management area. This project proposes placing a rock dike along the most critical reaches of the east and west bank lines of the channel from Mile 21 to 28. The rock dike would be placed off the bank line to allow for marsh creation behind the dike. This will reinforce the existing shoreline to provide additional protection to the FCMMA.

<u>SUMMARIZED FINANCIAL DATA</u>	FY	2010 <u>D&I 1/</u>
Estimated Federal Cost	\$	5,000,000
Estimated Non-Federal Cost		\$ 1,667,000
Cash	(\$	1,667,000)
Other		(\$ 0)
Total Estimated Cost	\$	6,667,000
Allocation thru FY 2008		\$ 150,000
Allocation for FY 2009		\$ 50,000
Recover Act Allocations To Date		\$ 0
Allocation for FY 2010	\$	4,800,000
Balance to Complete after FY 2010		\$ 0
Benefit to Cost Ratio @ 7%		(NA)

1/ 25% Non-Federal cost share for feasibility recovered in D&I.

FY 2010 ACTIVITIES: Complete feasibility, execute PPA, construct project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter (LA); House: Melancon (LA-3)

DISTRICT: New Orleans

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Iowa River/Clear Creek, Johnson County, IA

AUTHORIZATION: Section 206 of WRDA 1996 (Public Law 104-303), as amended.

LOCATION: The project area is located in and around Iowa City and Coralville 9 miles downstream of the Coralville Reservoir, Johnson County, Iowa.

DESCRIPTION: The project consists of 13 sites along the Iowa River floodplain and Clear Creek. The purpose of this project is to restore and enhance wetland, riparian, and stream habitat along and adjacent to the Iowa River and Clear Creek. It will also restore a section of Clear Creek, which has been channelized. Restoring and enhancing this area will restore the historic infiltration that occurred in the native landscape thus improving water quality, reducing runoff, and restoring groundwater hydrology to adjacent wetland communities. The project sponsors are the City of Iowa City, the City of Coralville, and the University of Iowa.

SUMMARIZED FINANCIAL DATA	FY 2010 FEAS ^{1/}
Estimated Federal Cost \$	652,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Project Cost	\$ 652,000
Allocation thru FY 2008	\$ 540,000
Allocation for FY 2009	\$ 10,000
Recovery Act Allocation to Date	\$ 0
Allocation for FY 2010	\$ 102,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

^{1/} Feasibility will be cost shared during Design & Implementation.

FY2010 ACTIVITIES: Complete the draft project Feasibility Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL DISTRICT: House: Loeb sack (IA-2); Senate: Grassley and Harkin (IA).

DISTRICT: Rock Island

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Lake Killarney, Louisiana State Penitentiary, LA

AUTHORIZATION: Section 206, WRDA 1996 (P.L. 104-303), as amended

LOCATION: The study area is located on the grounds of the Louisiana State Penitentiary (LSP), approximately 3 miles northwest of Angola, LA, in West Feliciana Parish.

DESCRIPTION: Lake Killarney is an oxbow of the Mississippi River, located on the 19,248 acre grounds of the LSP. The lake has silted in such that the fishery spawning grounds have been severely impacted and the water quality is poor, with shallow depths, high water temperatures, soft substrate and low dissolved oxygen levels. The purpose of the project is to restore the lake and resolve impacts that have negatively affected many forms of fish and wildlife in the area.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	
Estimated Federal Cost	\$1,077,000
Estimated Non-Federal Cost	\$ 0
Cash	
Other	
Total Estimated Cost	\$ 1,077,000
Allocation thru (BY-2) FY 2008	\$ 979,000
Allocation for (BY-1) FY 2009	\$ 48,000
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Re-evaluate construction costs, Environmental Approval, and Feasibility Report Approval.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility in FY 2010

OTHER INFORMATION: 2006 cost estimates are being re-evaluated to see if project is still viable and will fit under the CAP 206 limit. Termination or conversion to an Investigations program is a possibility if alternatives cannot be screened down.

CONGRESSIONAL INTEREST: Senators Landrieu and Vitter; (LA); Cazayoux (LA-6)

DISTRICT: New Orleans

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Lower Cache River Basin Restoration, AR

AUTHORIZATION: Section 1135 of WRDA 1986, as amended

LOCATION: The project is located in Monroe County, Arkansas.

DESCRIPTION: The project consists of restoring flows to six meanders, cut off by flood control work constructed during the 1970's, to increase fish and wildlife habitat within the area designated by the Ramsar Convention as "Wetlands of International Importance". In a letter dated 11 February 2004, Ducks Unlimited and Arkansas Game and Fish Commission requested that the Corps conduct a study for an environmental restoration project on the lower reach of the Cache River. Ducks Unlimited and Arkansas Game and Fish Commission are the non-Federal sponsors for this project.

SUMMARIZED FINANCIAL DATA:

	FY 2010	
	<u>Design & Implementation</u>	^{1/}
Estimated Federal Cost	\$ 5,000,000	
Estimated Non-Federal Cost	\$ 5,621,000	^{2/}
Cash	(TBD)	
Other	(TBD)	
Total Estimated Cost	\$ 10,621,000	
Allocations thru FY 2008	\$ 754,000	
Allocation for FY 2009	50,000	
Recovery Act Allocations to Date	0	
Allocation for FY 2010	1,575,000	
Balance to Complete After FY 2010	\$ 2,621,000	
Benefit to Cost Ratio at 7%	N/A	

^{1/} Non-Federal share of feasibility costs are 25% and are included in the construction phase.

^{2/} Non-Federal sponsor responsible for cost in excess of the \$5M Federal limit.

FY 2010 ACTIVITIES: FY 2009 carryover funds are being used to complete the feasibility study. FY 2010 funds are being used to negotiate and execute the Project Partnership Agreement and initiate design activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The feasibility study is scheduled for completion in May 2010. The scheduled completion date of the Design and Implementation phase is undetermined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Berry (AR-1); Senate: Lincoln and Pryor (AR).

DISTRICT: Memphis

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Morganza Fore-bay Restoration, Louisiana

AUTHORIZATION: Section 1135 of the Water Resources Development Act 1986, as amended

LOCATION: The project is located in Morganza, Louisiana, Pointe Coupee Parish, in the Morganza Floodway, adjacent to the existing Morganza Control Structure.

DESCRIPTION: The project purpose is to minimize flooding in the forebay area of the Morganza Flood Control Structure. When flooded, the water that is impounded destroys the forested lands and stresses thousands of acres of bottomland hardwoods in the Morganza floodway. The forebay area is flooded once every 4 to 5 years, on average.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010
	Feasibility	
Estimated Federal Cost		\$ 615,000
Estimated Non-Federal Cost		\$ 0
Cash		
Other		
Total Estimated Cost	\$	615,000
Allocation thru FY 2008		\$ 10,000
Allocation for FY 2009		\$ 175,000
Recovery Act Allocations To Date		0
Allocation for FY 2010		\$ 415,000
Balance to Complete after FY 2010		\$ 15,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Continue feasibility study; conduct Alternative Formulation Briefing (AFB).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter LA; House: Alexander (LA-5)

DISTRICT: New Orleans

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Painter Creek, Minnesota

AUTHORIZATION: Section 206 of WRDA 1996, as amended.

LOCATION: The Painter Creek basin is located in the western suburbs of the Minneapolis, MN metropolitan area in the headwaters of Minnehaha Creek. Minnehaha Creek begins at Lake Minnetonka and drains into the Mississippi River near Lock and Dam No. 1.

DESCRIPTION: Painter Creek was straightened, and many of the adjacent wetlands were drained for agricultural uses, in the early 1900s. The project will Preserve, enhance and restore the connective ecosystems corridors leading to Lake Minnetonka; Preserve, protect, and restore the natural habitat, appearance, and function of riparian/shoreline/ wetland ecosystems throughout the basin; Improve the chemical and physical quality of surface water in the creek and subsequently in Halsted Bay (Lake Minnetonka).

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Design & Implementation</u>	
Estimated Federal Cost	\$ 3,950,000	1/
Estimated Non-Federal Cost	2,100,000	
Cash	(0)	
Other	(2,100,000)	
Total Estimated Cost	\$ 6,050,000	1/
Allocations thru FY 2008	\$ 381,000	1/
Allocation for FY 2009	\$ 40,000	
Recovery Act Allocations to Date	0	
Allocation for FY 2010	\$ 319,000	
Balance to Complete after FY 2010	\$ 3,210,000	
Benefit to Cost Ratio @ 7%	NA	

^{1/} Includes feasibility phase costs that are cost-shared at construction.

FY 2010 ACTIVITIES: Initiate Design & Implementation phase, execute Project Partnership Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: House: Paulsen (MN-3) and Ellison (MN-5); Senate: Klobuchar and Franken (MN)

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Ruffy Brook, Clearwater River, Minnesota

AUTHORIZATION: Section 1135 of WRDA 1986, as amended.

LOCATION: Ruffy Brook, a tributary to the Clearwater River, is in Clearwater County, Minnesota, 225 miles northwest of Minneapolis, Minnesota

DESCRIPTION: Ruffy Brook joins the river about 1 mile from the upstream end of a 47.3-mile-long Clearwater River channelization project constructed by the Corps of Engineers in several stages from 1948 to 1958. That project improved the river's hydraulic efficiency, which benefits agricultural interests by reducing flood damages. However, the project has caused headcutting and bank erosion that has progressed up Ruffy Brook, severely degrading aquatic and riparian habitats. Similar effects are occurring in the Clearwater River itself upstream of the project. The preliminary restoration plan evaluated one potential solution – restoration of the brook's floodplain and riparian corridor by realigning a rice paddy dike that obstructs the brook's floodplain and installing a series of grade and bank stabilization structures. In addition, grade control structures would be placed in the river near its confluence with the brook. The feasibility study will consider additional, more comprehensive solutions, such as restoring a functional floodway along a significant reach of the Clearwater River by remeandering the channel within setback levees.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	
Estimated Federal Cost	\$ 167,000	1/
Estimated Non-Federal Cost	0	
Cash	(0)	
Other	(0)	
Total Estimated Cost	\$ 167,000	1/
Allocations thru FY 2008	\$ 19,000	
Allocation for FY 2009	\$ 103,000	
Recovery Act Allocations to Date	0	
Allocation for FY 2010	\$ 30,000	
Balance to Complete after FY 2010	\$ 15,000	
Benefit to Cost Ratio @ 7%	NA	

¹ Feasibility phase costs that are cost-shared at construction.

FY 2010 ACTIVITIES: Complete Federal Interest Determination.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: House: Peterson (MN-7); Senate: Klobuchar and Franken (MN)

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Sand Hill River, Minnesota

AUTHORIZATION: Section 1135 of WRDA 1986, as amended.

LOCATION: The 484-square-mile Sand Hill River subbasin is a tributary of the Red River of the North in northwestern Minnesota.

DESCRIPTION: In the mid-1950s, the Corps of Engineers enlarged an existing State ditch and channelized the upstream and downstream portions of the Sand Hill River connecting to the State ditch. Overall, more than 18 miles of the Sand Hill River was straightened or abandoned for the dual purposes of flood control and improving agricultural drainage. Four drop structures were installed to stabilize the channel grade. The more than 6-foot fall at each drop structure is impassible for fish. In addition, some of the road crossings include culverts that impede fish migration. The proposed restoration plan includes (1) flatly sloped rock rapids installed below each drop structure, (2) vortex rock weirs downstream of the Texas crossing and West Mill Road crossing to pond and slow flows for fish movement, and (3) nine vortex rock weirs within the old project reach to restore riffle and pool type habitat.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	
Estimated Federal Cost	\$ 186,000	1/
Estimated Non-Federal Cost	0	
Cash	(0)	
Other	(0)	
Total Estimated Cost	\$ 186,000	1/
Allocations thru FY 2008	\$ 14,000	
Allocation for FY 2009	\$ 142,000	
Recovery Act Allocations to Date	0	
Allocation for FY 2010	\$ 30,000	
Balance to Complete after FY 2010	\$ 0	
Benefit to Cost Ratio @ 7%	NA	

^{1/} Feasibility phase costs that are cost-shared at construction.

FY 2010 ACTIVITIES: Complete Federal Interest Determination.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: House: Peterson (MN-7); Senate: Klobuchar and Franken (MN)

DISTRICT: St. Paul

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Spunky Bottoms Ecosystem Restoration, Brown County, Illinois

AUTHORIZATION: Sec 5, FCA 1936; Section 1135, WRDA 1986; Sec 3064, WRDA 2007.

LOCATION: Spunky Bottoms, located in the Little Creek Drainage District, is situated along the right descending bank of the Illinois River north of Meredosia, Illinois, and below the LaGrange Lock and Dam.

DESCRIPTION: This project will provide habitat restoration along the Illinois River by reconnecting the river with the backwater lakes and wetlands that once existed along the river. Possible project features include a fish passage structure through the Federal levee, mouth of tributary sediment traps, removal of the existing pumps and pump stations, pumping capability for a landowner to the south of the project, raising a township road, a low-profile berm, and restoration plantings.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>FY 2010 FEASIBILITY ^{1/}</u>	<u>FY 2010 DESIGN AND IMPLEMENTATION</u>
Estimated Federal Cost	\$ 655,000	\$ 6,845,000
Estimated Non-Federal Cost	0	2,500,000
Cash	(0)	(0)
Other	(0)	(2,500,000)
Total Estimated Project Cost	\$ 655,000	\$ 9,345,000
Allocation thru FY 2008	580,000	15,000
Allocation for FY 2009	25,000	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	50,000	0
Balance to Complete after FY 2010	0	6,830,000
Benefit to Cost Ratio @ 7%	N/A	N/A

^{1/} Feasibility will be cost shared in DI.

FY 2010 ACTIVITIES: Funds are being used to complete and submit the draft Ecosystem Restoration Report (ERR).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The draft feasibility was completed but further work was suspended because the project was determined to be ineligible for Section 1135 authority. Inclusion of restoration as a project purpose (which would allow work under Section 1135 authority) was authorized by WRDA 2007. The Federal limit for Section 1135 cost sharing for this project was increased to \$7,500,000 by WRDA 2007. WRDA 2007 also provided for \$500,000 for post-construction monitoring and provided for the eligibility of the levee to remain in the PL 84-99 program. Progress on the draft ERR has been delayed due to reformulation to reduce project cost, delaying completion of draft feasibility to FY 2010. In accordance with the FY 2006 Energy and Water Development Appropriations Act, the following cost-sharing procedures are now in effect: During the design and implementation phase, we will execute the Project Partnership Agreement early in the design effort with cost-sharing applied in accordance with the authorizing language.

CONGRESSIONAL INTEREST: House: Schock (IL-18), Senate: Durbin and Burris (IL)

DISTRICT: St. Louis

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Zemurray Park Ecosystem Restoration, LA

AUTHORIZATION: Section 206, WRDA 1996 (P.L. 104-303), as amended

LOCATION: Zemurray Park comprises an area of approximately 40 acres within the city of Hammond, Louisiana. The park is situated in a residential area adjacent to the central business district and is maintained by the City of Hammond.

DESCRIPTION: The small lake receives inflow of water from treated (potable) city water and surface runoff from the surrounding roads, ball fields and other areas. There are two "fountains" which help provide circulation and aeration within the lake. The lake is in a degraded condition.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2011
Estimated Federal Cost		Feasibility \$ 350,000
Estimated Non-Federal Cost		\$ 0
Cash		
Other		
Total Estimated Cost	\$	350,000
Allocation thru FY 2008		\$ 10,000
Allocation for FY 2009		\$ 210,000
Allocation for FY 2010		\$ 130,000
Balance to Complete after FY 2010		\$ 0
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Preliminary and final detailed draft reports/environmental assessments to be completed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: Topographical maps provided by local sponsor (City of Hammond) were received later than expected, resulting in scheduling delays.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter, LA; House: Scalise (LA-1)

DISTRICT: New Orleans

WATER SUPPLY

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Water Supply

PROJECT/STUDY NAME: Cross Lake, LA, Water Supply Improvements

AUTHORIZATION: HR, Docket 2648, 26 July 2000

LOCATION: Cross Lake is located northwest of Shreveport, LA.

DESCRIPTION: Cross Lake has served as a municipal and industrial (M&I) water supply source for the city of Shreveport since the 1920s. The lake is about 14 square miles in surface area. The watershed draining into the lake consists of about 260 square miles. The holding capacity of the already shallow lake (8.5 feet) is decreasing due to siltation, contributing to increasing difficulty in managing it as a water supply source. The feasibility study is evaluating options including additional pumping capacity on Cross Lake at lower elevations as well as new pumping stations and water treatment facilities on the Red River.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	1,190,000
Estimated Non-Federal Cost	1,000,000
Cash	(452,000)
Other	(548,000)
Total Estimated Cost	2,190,000
Allocations thru FY 2008	587,000
Allocation for FY 2009	229,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	90,000
Balance to Complete after FY 2010	284,000
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: Funds are being used to continue feasibility phase. The FCSA was executed in August 2006.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: undetermined.

OTHER INFORMATION: Recently developed data suggest that the siltation rate of the lake ranges from 0.33 inch to almost 1 inch per year. As the holding capacity of the lake decreases and the city population continues to grow, the lake becomes more difficult to manage as a municipal and industrial (M&I) water supply reservoir. Also, access to the lake by neighboring homeowners becomes increasingly difficult as the shallow areas near the shore recede due to siltation. The study has been expanded to include both Caddo and Bossier Parishes at their request. The sponsor is the city of Shreveport.

CONGRESSIONAL INTEREST: Senate: Vitter and Landrieu (LA); House: Fleming (LA-04).

DISTRICT: Vicksburg

RECREATION

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Recreation

PROJECT NAME: Des Moines Recreational River and Greenbelt, IA

AUTHORIZATION: Sec 203, FCA 58; SAA 85, Chapter IV; Sec 111, WRDA 76; Sec 102, PL 99-500; Sec 604, WRDA 86; Sec 122, E&WDAA 03; Sec 3068 WRDA 2007; Sec 14221 of the Flood, Conservation and Energy Act of 2008; Sec 115, E&WDAA 10.

LOCATION: The authorized project is for development and operations and maintenance of recreational and greenbelt amenities along the Des Moines & Raccoon Rivers beginning at Ft. Dodge, Iowa, to 50 miles southeast of Des Moines, Iowa. The project boundary includes Saylorville Reservoir and Lake Red Rock, as well as portions of the Cities of Des Moines, Ft. Dodge, Webster City, Boone, West Des Moines, Knoxville, & Pella.

DESCRIPTION: The Des Moines Recreational River and Greenbelt (Greenbelt) is being implemented in coordination with an Advisory Committee consisting of 47 local, state, and Federal officials. Since the project was authorized for construction in 1985, 14 projects have been completed. Five projects in three locations have been identified by the Advisory Committee as priority projects for implementation: Fort Dodge Riverfront and Trails, Des Moines Riverwalk, Des Moines Downtown Amphitheater Modifications, Marion County Cordova Center at Lake Red Rock, and Red Rock Trail 4B. Work on these projects has been underway since 2003, and the Des Moines Amphitheater modifications are complete.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$83,750,000
Estimated Non-Federal Cost	43,066,000
Cash	(33,066,000)
Other	(10,000,000)
Total Estimated Cost	\$126,816,000
Allocations thru FY 2008	\$29,130,000
Allocation for FY 2009	3,828,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	0
Balance to Complete after FY 2010	50,792,000
Benefit to Cost Ratio Applicable rate (%)	N/A

FY 2010 ACTIVITIES: Appropriated funds will be used to continue coordination with the Greenbelt Advisory Committee; to develop plans and specifications and execute a Project Partnership Agreement (PPA) for the Des Moines Riverwalk; to complete draft Engineering Documentation Report (EDR) for Fort Dodge Riverfront Development and Trails; and to complete planning and finish the EDR for Cordova Center at Lake Red Rock.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The Greenbelt projects at Des Moines and Fort Dodge require a 50% local cost share. Following execution of cost sharing agreements, planning, design and construction work performed by the sponsor, or others on behalf of the sponsor, may be credited up to \$10 million towards the sponsor's share of the cost of Greenbelt projects in accordance with the 2010 E&WDAA. A benefit-cost analysis is prepared for each recreation project.

CONGRESSIONAL INTEREST: House: Boswell (IA-3), Latham (IA-4); Sen: Grassley & Harkin (IA).

DISTRICT: Rock Island

ENVIRONMENTAL INFRASTRUCTURE

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: DeSoto County, Mississippi

AUTHORIZATION: Sec 219, WRDA 92; Sec 502, WRDA 99; Sec 108, CAA 01; Section 6006, Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief, 2005; Section 123, FY 2006 Energy & Water Development Act; 2008, Section 501, To amend the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users to make technical corrections, and for other purposes.

LOCATION: DeSoto County is located in north Mississippi, just south of Memphis, TN.

DESCRIPTION: The county's rapid growth necessitates expansion of existing sewer systems and the development of new systems into one unified countywide system.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 75,000,00
Estimated Non-Federal Cost	\$ 60,000,000
Cash	(TBD)
Other	(TBD)
Total Estimated Cost	\$ 135,000,000
Allocations thru 2008	\$ 50,140,000
Allocation for FY 2009	4,860,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	8,000,000
Balance to Complete after FY 2010	\$ 12,000,000
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: Reimbursements will continue to the local sponsor utilizing FY 2009 carryover funds (\$19,032,000) and funds provided in the FY 2010 Appropriations (\$8,000,000). Reimbursements will be made for the 75% Federal share of multiple contracts awarded by the sponsor in FY 2009 having a cumulative value of \$9,500,000 and on contracts to be awarded in FY 2010 having an estimated value of \$13,200,000. Funds will also be used as reimbursements for the local interest to develop plans and specifications for future items of work (\$1,200,000); to acquire necessary rights-of-way (\$200,000); and for administrative costs (\$100,000).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: The cost-sharing sponsor is DeSoto County Regional Utility Authority. Section 123 of Public Law 109-10 allows non-Federal sponsor to make contract awards, with the Corps having oversight responsibility. Federal share of costs is provided in the form of a reimbursement after projects costs are incurred and approved. Balance to Complete is determined by Authorization Limit of \$75,000,000.

CONGRESSIONAL INTEREST: House: Childers (MS-1). Senate: Cochran and Wicker (MS).

DISTRICT: Memphis

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: East Baton Rouge Parish Environmental Infrastructure, LA

AUTHORIZATION: PL 102-580, Sec 219, WRDA 92; PL 106-53, Sec 502, WRDA 99; PL 106-544, Sec 108, CAA of 2001, and PL 110-114, Section 5080, WRDA 2007

LOCATION: Elements of the project are located in southeast Louisiana in Ascension, East Baton Rouge and Livingston Parishes.

DESCRIPTION: The project purpose is to assist in planning, design, and construction of water supply and wastewater treatment infrastructure facilities within each parish.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost \$	35,000,000
Estimated Non-Federal Cost	11,600,000
Cash	11,600,000
Other	0
Total Estimated Cost \$	46,600,000
Allocation thru FY 2008	\$ 5,112,000
Allocation for FY 2009	0
Recovery Act Allocations To Date	675,000
Allocation for FY 2010	920,000
Balance to Complete after FY 2010	\$ 28,293,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES : Funds provided are being used in accordance with Sec. 219 authority to continue engineering, design and construction efforts as requested by local sponsor in accordance with the Parish sewer correction action program including improvements at several regional sewerage treatment plants and rehabilitation of various collection system deficiencies; to award a construction contract for the sewer force main in Baton Rouge Parish in March 2010; and to assist in the design of sewer system modifications in the city of Denham Springs, Livingston Parish, LA.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Landrieu and Vitter; Cassidy LA-6; Melancon LA-3

DISTRICT: New Orleans

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Madison and St. Clair Counties, Illinois

AUTHORIZATION: Sec 219(f)(55), WRDA 92 as amended by Sec 108(d)(55), CAA 01.

LOCATION: The project authority covers communities in Madison and St. Clair Counties, Illinois including East St. Louis, Belleville, Eagle Park, Glen Carbon and Maryville.

DESCRIPTION: The project consists of separating out combined sanitary and storm water sewers to improve water quality and reduce sewer backups into homes and replacing undersized and broken sanitary sewer lines.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Construction</u>
Estimated Federal Cost	\$10,000,000
Estimated Non-Federal Cost	3,300,000
Cash	(3,300,000)
Other	(0)
Total Estimated Cost	\$13,300,000
Allocation thru FY 2008	4,844,000
Allocation for FY 2009	335,000
Recovery Act Allocations to Date	3,584,000
Allocation for FY 2010	165,000
Balance to Complete after FY 2010	1,072,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete design on the Glen Carbon project, pending availability of sponsor cost-share.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The Federal limit needs to be increased.

CONGRESSIONAL INTEREST: House: Costello (IL-12) and Shimkus (IL-19); Senate: Durbin and Burris (IL).

DISTRICT: St. Louis

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Mississippi (Section 592)

AUTHORIZATION: Sec 592, WRDA 99; Sec 120, E&WDAA 2004; Sec 101, CAA 2005; Sec 5097, WRDA 07; Sec 110, E&WDAA 2010.

LOCATION: The Mississippi (Section 592) project provides cost-shared environmental infrastructure assistance to communities throughout the State of Mississippi.

DESCRIPTION: Project includes design and construction assistance for wastewater treatment and related facilities, combined sewer overflows, water supply and storage and related facilities, environmental restoration, and surface water resource protection and development.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$200,000,000
Estimated Non-Federal Cost	66,667,000
Cash	(0)
Other	(66,667,000)
Total Estimated Cost	\$266,667,000
Allocation thru FY 2008	\$ 60,407,000
Allocation for FY 2009	18,000,000
Recovery Act Allocations to Date	31,599,000
Allocation for FY 2010	10,000,000
Balance to Complete after FY 2010	79,994,000
Benefit to Cost Ratio @ 7% (___%)	N/A

FY 2010 ACTIVITIES: Funds are being used to continue ongoing design and construction of 21 ongoing projects. Ten Project Partnership Agreements (PPAs) will be executed in FY 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: undetermined.

OTHER INFORMATION: Update of water/sewer systems and development of potable water is important for public health and welfare. The amount authorized by the E&WDAA 2010 to be appropriated pursuant to Section 592 currently is \$200,000,000 and is the maximum Federal participation. No projects will be proposed for work in excess of the \$200,000,000 Federal limit. Available program funds will be allocated among existing project elements to support ongoing design and construction and to initiate ten new projects.

CONGRESSIONAL INTEREST: House: Childers (MS-1), Thompson (MS-2), Harper (MS-3), Taylor (MS-4); Senate: Wicker and Cochran (MS).

DISTRICT: Vicksburg

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: North Dakota Environmental Infrastructure Assistance, North Dakota

AUTHORIZATION: Sec 594, 1999 WRDA; Section 111 of Division C, Title I, CAA 2008

LOCATION: The North Dakota Environmental Infrastructure Assistance area includes the entire state of North Dakota.

DESCRIPTION: The program provides assistance to North Dakota public entities in the form of design, construction, and reconstruction assistance for water-related environmental infrastructure and resource protection and development projects in North Dakota, including projects for wastewater treatment and related facilities, water supply and related facilities, environmental restoration, and surface water resource protection and development. Initial program emphasis was to address the critical emergency water supply needs of the City of Devils Lake. Subsequent emphasis has been on improving water quality and water supply for various rural water districts within the state.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>	
Estimated Federal Cost	\$ 100,000,000	
Estimated Non-Federal Cost	33,300,000	
Cash	(varies by project)	
Other	(varies by project)	
Total Estimated Cost	\$ 133,300,000	
Allocations thru FY 2008	\$ 5,904,000	
Allocation for FY 2009	10,000,000	^{1/}
Recovery Act Allocations to Date	18,300,000	^{2/}
Allocation for FY 2010	15,000,000	^{3/}
Balance to Complete after FY 2010	\$ 50,796,000	
Benefit to Cost Ratio @ 7%	N/A	

^{1/} Includes \$1,600 for St. Paul District and \$8,400 for Omaha District.

^{2/} Includes \$7,050 for St. Paul District and \$11,250 for Omaha District.

^{3/} Includes \$10,330 for St. Paul District and \$4,670 for Omaha District.

FY 2010 ACTIVITIES: Funds will be used to assist seven rural water districts with design and construction of water supply facilities and related infrastructure within the state of North Dakota.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Pomeroy (ND-AL). Senate: Conrad and Dorgan (ND)

DISTRICT: St. Paul / Omaha

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Northeastern Minnesota, Minnesota

AUTHORIZATION: Section 569, WRDA 1999; Section 5095, WRDA 2007

LOCATION: The area considered for assistance includes the Minnesota counties of Cook, Lake, St. Louis, Koochiching, Itasca, Cass, Crow Wing, Aitkin, Carlton, Pine, Kanabec, Mille Lacs, Morrison, Beltrami, Hubbard, Wadena, Isanti, and Chisago.

DESCRIPTION: Section 569 provides the Corps of Engineers the authority to assist public entities in the 18-county area with water-related infrastructure projects. Work under Section 569 may be in the form of design and construction assistance for water-related environmental infrastructure and resource protection and development projects in northeastern Minnesota, including projects for wastewater treatment and related facilities, water supply and related facilities, environmental restoration, and surface water resource protection and development.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
Estimated Federal Cost	<u>Construction</u> \$ 54,000,000
Estimated Non-Federal Cost	18,000,000
Cash	(varies by project)
Other	(varies by project)
Total Estimated Cost	\$ 72,000,000
Allocations thru FY 2008	\$ 14,600,000
Allocation for FY 2009	1,914,000 ^{1/}
Recovery Act Allocations to Date	10,708,000 ^{2/}
Allocations for FY 2010	969,000 ^{3/}
Balance to Complete after FY 2010	\$ 25,809,000
Benefit to Cost Ratio @ 7%	N/A

^{1/} Includes \$0 for St. Paul District and \$1,914,000 for Detroit District.

^{2/} Includes \$6,897,000 for St. Paul District and \$3,811,000 for Detroit District.

^{3/} Includes \$832,000 for St. Paul District and \$137,000 for Detroit District.

FY 2010 ACTIVITIES: Detroit District will pursue one project in FY 10 with Midway Township/Proctor. St. Paul District will pursue new projects with Tower and Riverton.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Oberstar (MN-8); Sen: Klobuchar and Franken (MN).

DISTRICT: St. Paul / Detroit

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Northern Wisconsin Environmental Assistance, Wisconsin

AUTHORIZATION: Section 154, CAA of 2001; Section 119, CAA 2005; Section 106, E&WD Appropriations Act of 2010.

LOCATION: The Northern Wisconsin Environmental Infrastructure Assistance area includes the counties of Ashland, Bayfield, Douglas, and Iron. The program area includes a significant area of the shoreline of Lake Superior and the Upper Mississippi River watersheds.

DESCRIPTION: The program provides assistance to northern Wisconsin public entities in the "form of design and reconstruction assistance for water-related environmental infrastructure and resource protection and development projects in northern Wisconsin, including projects for navigation and inland harbor improvement and expansion, wastewater treatment and related facilities, water supply and related facilities, environmental restoration, and surface water resource protection and development."

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>	
Estimated Federal Cost	\$ 60,000,000	
Estimated Non-Federal Cost	20,000,000	
Cash	(varies by project)	
Other	(varies by project)	
Total Estimated Cost	\$ 80,000,000	
Allocations thru FY 2008	\$ 33,130,000	
Allocation for FY 2009	5,560,000	^{1/}
Recovery Act Allocations to Date	1,310,000	^{2/}
Allocation for FY 2010	4,000,000	^{3/}
Balance to Complete after FY 2010	\$ 16,000,000	
Benefit to Cost Ratio @ 7%	N/A	

^{1/} Detroit District

^{2/} St. Paul District

^{3/} Includes \$1,000 for St. Paul District and \$3,000 for Detroit District.

FY 2010 ACTIVITIES: The Energy and Water Development Appropriations Act of 2010 increased the authorization of appropriations from \$40M to \$60M. The funds appropriated in that Act will be used to pursue new infrastructure projects in the St. Paul and Detroit Districts. A project selection meeting is scheduled in December 2009 to choose specific projects for implementation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Undetermined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Obey (WI-7); Senate: Feingold and Kohl (WI).

DISTRICT: St. Paul / Detroit

MISSISSIPPI RIVER AND
TRIBUTARIES

ENACTED PROJECTS

MISSISSIPPI RIVER AND TRIBUTARIES
ENACTED PROJECTS
TABLE OF CONTENTS

MISSISSIPPI RIVER AND TRIBUTARIES ENACTED PROJECTS MR&T-1

FLOOD AND COASTAL STORM DAMAGE REDUCTION MR&T- 3

INVESTIGATIONS MR&T- 4
BIG SUNFLOWER RIVER WATERSHED STUDY, MS (QUIVER RIVER)MR&T- 5
DONALDSONVILLE TO THE GULF OF MEXICO, LAMR&T- 6
SOUT HEAST ARKANSAS, AR.....MR&T-7

CONSTRUCTION..... MR&T- 8
ST. FRANCIS BASIN AND TRIBUTARIES, AR & MOMR&T- 9
ST. JOHN'S BAYOU – NEW MADRID FLOODWAY, MOMR&T- 10
YAZOO BASIN, BIG SUNFLOWER RIVER, MSMR&T- 11
YAZOO BASIN, DELTA HEADWATERS PROJECT, MS.....MR&T- 12
YAZOO BASIN, MAIN STEM, MSMR&T- 13
YAZOO BASIN, REFORMULATION UNIT, MS.....MR&T- 14
YAZOO BASIN, UPPER YAZOO PROJECTS, MSMR&T- 15
YAZOO BASIN, YAZOO BACKWATER, MSMR&T- 16
YAZOO BASIN, YAZOO BACKWATER LESS ROCKY BAYOU, MSMR&T- 17

ENVIRONMENT..... MR&T- 18

INVESTIGATIONS MR&T- 19
SPRING BAYOU, LAMR&T- 20

WATER SUPPLY..... MR&T- 21

CONSTRUCTION..... MR&T- 22
BAYOU METO BASIN, ARMR&T- 23
GRAND PRAIRIE REGION, ARMR&T- 24

FLOOD AND COASTAL STORM DAMAGE REDUCTION

INVESTIGATIONS

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Big Sunflower River Watershed Study, MS (Quiver River, MS)

AUTHORIZATION: SR, 29 June 1973.

LOCATION: The Big Sunflower River Watershed is part of the Yazoo River Basin in northwest Mississippi.

DESCRIPTION: The study will identify options for improving water quality while addressing other needs in order to prevent the loss of current industry and to create a situation where additional development could be accommodated without adversely impacting fish and wildlife habitat.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA Study</u>	
Estimated Federal Cost	\$400,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Cost	400,000
Allocation thru FY 2008	0
Allocation for FY 2009	240,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	155,000
Balance to Complete after FY 2010	5,000
Benefit to Cost Ratio at 7% (___%)	N/A

FY 2010 ACTIVITIES: Funds are being used to continue reconnaissance studies for the purpose of identifying measures to solve the water resources and related problems of the Big Sunflower River Watershed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011.

OTHER INFORMATION: The Yazoo-Mississippi Delta (YMD) Joint Water Management District has expressed interest in multipurpose studies of this watershed to address concerns including water quality (the Quiver River and other streams are on the Environmental Protection Agency's 303(d) list of impaired waterways), flooding, base flow sustainability, fish and wildlife habitat degradation, and agricultural water supply. Water quality concerns are impacting development in this economically depressed region. Industries are currently facing massive costs for treatment of discharges and/or fines due to the condition of the streams into which they discharge. This watershed has high priority with the Mississippi Department of Environmental Quality in light of the water quality situation based on total maximum daily loads (TMDL).

CONGRESSIONAL INTEREST: Senate: Cochran and Wicker (MS); House: Thompson (MS-02)

DISTRICT: Vicksburg

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood & Coastal Storm Damage Reduction

STUDY NAME: Donaldsonville to the Gulf of Mexico, LA

AUTHORIZATION: HR 15 May 98, Docket 2554

LOCATION: The study area is located in southeast Louisiana between Bayou Lafourche and the Mississippi River, from Donaldsonville to the Gulf of Mexico.

DESCRIPTION: The expected study outcome will be to reduce the risk of flooding from rain, tidal surges, and hurricanes, prevent agricultural and structural damages, and restore environmentally stressed habitat.

SUMMARIZED FINANCIAL DATA

	FY 2010 <u>FEASIBILITY</u>
Estimated Federal Cost	\$ 6,354,000
Estimated Non-Federal Cost	\$5,000,000
Cash	0
Other	0
Total Estimated Project Cost	\$11,354,000
Allocation thru FY 2008	4,047,000
Allocation for FY 2009	0
Recovery Act Allocations to Date	1,500,000
Allocation for FY 2010	386,000
Balance to Complete After FY 2010	421,000
Benefit to Cost Ratio @ 7% (___%)	0

FY 2010 ACTIVITIES: Ongoing work continues in the following disciplines: levee and structure designs, hydraulic analyses, economic analysis, and environmental analysis.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2011

OTHER INFORMATION: The economic analysis, engineering design, and real estate report are to be completed in the first quarter of FY 2010. The engineering appendix is to be completed in the second quarter of FY 2010. The Draft Environmental Impact Statement (EIS) is to be completed in August 2010. The Draft Feasibility Study is to be completed in March 2011, with the Chief's report being sent to ASA in December 2011.

CONGRESSIONAL INTEREST: Senate: Landrieu and Vitter (LA); House: Scalise (LA-1), Cao (LA-2), Melancon (LA-3), and Cassidy (LA-6).

DISTRICT: New Orleans

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Southeast Arkansas, AR

AUTHORIZATION: Resolution of the Senate Committee on Environment and Public Works adopted 23 June 1988.

LOCATION: The project area includes the Boeuf-Tensas and Bayou Bartholomew Basins of southeast Arkansas. Counties included are Jefferson, Lincoln, Drew, Ashley, Chicot, and Desha.

DESCRIPTION: The study will address current flooding, ecosystem restoration and water supply problems and needs.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$5,153,000
Estimated Non-Federal Cost	4,582,000
Cash	(4,295,000)
Other	(287,000)
Total Estimated Cost	9,735,000
Allocations thru FY 2008	4,290,000
Allocation for FY 2009	250,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	290,000
Balance to Complete after FY 2010	323,000
Benefit to Cost Ratio at 7% (%)	N/A

FY 2010 ACTIVITIES: Funds are being used to continue cost-shared feasibility studies, including the development of a feasibility report and a watershed management plan, develop project alternatives to address problems throughout the watershed related to flood control, agricultural water supply, and environmental degradation

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: Flooding between November 1982 and January 1983 caused damages in excess of \$47 million to approximately 1,170,000 acres of primarily agricultural lands in the Boeuf-Tensas Basin. In addition, approximately 101,000 people live in the 100-year flood plain. Significant ecosystem restoration opportunities have been identified since completion of the reconnaissance report. Extensive multipurpose water use has induced ground-water declines and salt water intrusion in the area. Flood damage reduction and ecosystem restoration are in the Federal interest and justify continuation of this important effort.

CONGRESSIONAL INTEREST: House: Ross (AR-04) and Berry (AR-01); Senate: Lincoln and Pryor (AR).

DISTRICT: Vicksburg

CONSTRUCTION

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: St. Francis Basin and Tributaries, Arkansas & Missouri

AUTHORIZATION: FCA's 1928 (Sec 10); 1936 (Sec 4 & 8a); 1938 (Sec 2); 1941 (Sec 3e); 1944 (Sec 3); 1946 (Sec 3 and Sec 10q); 1950 (Sec 204); 1958 (Sec 203); 1965 (Sec 204); 1968 (Sec 203); WRDA 1974 (Sec 42); Omnibus 2001 (Sec 104), PL 106-554

LOCATION: The project is in southeastern Missouri and northeastern Arkansas

DESCRIPTION: The project provides for protection against headwater floods and backwater flooding of the Mississippi River by means of a detention reservoir at Wappapello Lake, MO, improvements to the St. Francis and Little Rivers and their tributaries, levee construction, pumping plants, a siphon, water level control structures and a floodgate.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 475,780,000
Estimated Non-Federal Cost	1,978,000
Cash	(263,000)
Other	(1,715,000)
Total Estimated Cost	\$ 477,758,000
Allocations thru 2008	\$ 415,768,000
Allocation for FY 2009	8,761,000
Recovery Act Allocations to Date	4,560,000
Allocation for FY 2010	3,574,000
Balance to Complete after FY 2010	\$ 43,117,000
Benefit to Cost Ratio at 7%	1.3

FY 2010 ACTIVITIES: Funds are being used for relocations of highway bridges to allow for future channel improvements at Ten and Fifteen Mile Bayous in Arkansas.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Berry AR-1, Emerson MO-8. Senate: Lincoln and Pryor (AR); Bond and McCaskill (MO)

DISTRICT: Memphis

FACT SHEET
FLOOD CONTROL, MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: St. Johns Bayou – New Madrid Floodway, Missouri

AUTHORIZATION: Section 401 of WRDA of 1986 (PL 99-662)

LOCATION: This project is located in bootheel of southeast Missouri.

DESCRIPTION: This flood control project covers two drainage basins adjacent to the Mississippi River: the St. Johns Bayou Basin (450 sq. mi.) and the New Madrid Floodway (180 sq. mi.). The First Phase of the authorized project includes 24 miles of channel improvements, two pumping stations, all seasonal ponding easements, and appropriate mitigation features.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction</u>
Estimated Federal Cost	\$ 57,400,000
Estimated Non-Federal Cost	17,672,000
Cash	(3,843,000)
Other	(13,829,000)
Total Estimated Project Cost	\$ 75,072,000
Allocations thru 2008	\$ 19,368,000
Allocation for FY 2009	200,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	200,000
Balance to Complete	\$ 37,632,000
Benefit to Cost Ratio @ 7%	1.4

FY 2010 ACTIVITIES: Funds are being used to continue additional analysis and preparation of NEPA documentation which includes independent external peer review and model certification. NEPA analysis incorporates four phases of Independent External Peer Review that occur at significant periods throughout the study. The first phase of Independent External Peer Review (reviewed past studies) was completed in October 2009. USACE is preparing a work plan for the second phase of review.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The St. Johns Levee and Drainage District is the cost-sharing sponsor.

CONGRESSIONAL INTEREST: House: Emerson (MO-8). Senate: Bond & McCaskill (MO)

DISTRICT: Memphis

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Yazoo Basin, Big Sunflower River, MS

AUTHORIZATION: FCAs 1944 (Sec. 10); 1946 (Sec. 10); 1950 (Sec. 204); 1962 (Sec. 203); and 1965 (Sec. 204) authorized the project for flood control on the Big Sunflower and Little Sunflower Rivers, Hushpuckena and Quiver Rivers and their tributaries, and on Hull Brake-Mill Creek Canal, Bogue Phalia, Ditchlow Bayou, Deer Creek, and Steele Bayou.

LOCATION: The Steele Bayou Basin lies within the Delta region of west-central Mississippi.

DESCRIPTION: The Steele Bayou Basin's 752-square-mile drainage area runs from north of Greenville to its confluence with the Yazoo River just north of Vicksburg. The Big Sunflower River Basin has experienced flooding in recent years. The project provides flood protection and environmental enhancements for this region.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
<u>Construction</u>	
Estimated Federal Cost	\$127,800,000
Estimated Non-Federal Cost	523,000
Cash	(450,000)
Other	(73,000)
Total Estimated Cost	128,323,000
Allocation thru FY 2008	115,328,000
Allocation for FY 2009	2,080,000
Recovery Act Allocations to Date	7,278,000
Allocation for FY 2010	3,091,000
Balance to Complete after FY 2010	23,000
Benefit to Cost Ratio @ 7% (___%)	1.5

FY 2010 ACTIVITIES: Funds are being used to construct Item 66 B, Steele Bayou Channel Relocation, Phase I, and reforestation of mitigation lands. Congress added funds in FY 2007 for erosion and sediment reduction measures which are being used to continue construction of Phase II of such features, and continue index of biotic integrity environmental/water quality indicators. Funds are also being used to construct Item 66B, Steele Bayou Channel Relocation, Phase II, and bank stabilization Sediment Reduction Structures, Phase III, and award Sediment Reduction Structures, Phase IV.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Thompson (MS-02); Senate: Cochran and Wicker (MS).

DISTRICT: Vicksburg

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Yazoo Basin, Delta Headwaters Project, MS

AUTHORIZATION: Emergency Jobs Appropriations Act of 1982; WRDA 1986, Sec 103e authorized a joint project to be undertaken with the Natural Resources Conservation Service and the Agricultural Research Service to provide erosion control work in watersheds of the Yazoo Basin hills.

LOCATION: The project is located in the eastern (hill) section of the Yazoo River Basin, MS.

DESCRIPTION: The project consists of 16 watersheds, ranging in size from 1 square mile (Town Creek) to over 600 square miles (Coldwater River), with features that include bank stabilization, grade control structures, floodwater-retarding structures, and channel modifications for flood damage reduction, bank stabilization and sedimentation/erosion control.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$427,747,000
Estimated Non-Federal Cost	0
Cash	
Other	
Total Estimated Cost	427,747,000
Allocation thru FY 2008	386,789,000
Allocation for FY 2009	18,545,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	22,413,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7% (___%)	1.0

FY 2010 ACTIVITIES: Funds are being used to complete 17 ongoing contracts, fully fund 14 contracts, and complete design on 17 items.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010.

OTHER INFORMATION: The project provides important flood damage reduction, environmental, water quality, and sediment reduction benefits in addition to economic stimulus benefits to the basin.

CONGRESSIONAL INTEREST: House: Thompson (MS-02); Senate: Cochran and Wicker (MS)

DISTRICT: Vicksburg

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Yazoo Basin, Main Stem, MS

AUTHORIZATION: FCA's 1936, Sec. 4 and 8a; 1941, Sec. 3b and 3g; and 1946, Sec. 3, 10f, and 10q authorized the Yazoo Headwater Projects to provide protection to the Yazoo Basin against headwater floods.

LOCATION: The Main Stem feature in the Yazoo Basin consists of new and enlarged levee improvements along the Yazoo, Tallahatchie, and Coldwater Rivers from Yazoo City to Prichard, MS; and channel clearing, cutoffs, and channel enlargement along the Yazoo, Tallahatchie, and Coldwater Rivers from Yazoo City to Arkabutla Lake.

DESCRIPTION: The authorized work provides protection to adjacent areas against floods. The major remaining work includes raising deficient levees and closure of gaps in the Yazoo River levee system. This work is deferred until completion of the Mississippi River mainline and Yazoo Backwater levees.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$250,500,000
Estimated Non-Federal Cost	11,000
Cash	(0)
Other	(11,000)
Total Estimated Cost	250,511,000
Allocation thru FY 2008	34,781,000
Allocation for FY 2009	24,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	24,000
Balance to Complete after FY 2010	215,671,000
Benefit to Cost Ratio @ 7% (___%)	1.3

FY 2010 ACTIVITIES: Funds are being used to continue monitoring Sheley Bridge bank stabilization.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: Monitoring is directed by Supplemental Appropriations Act of 1982.

CONGRESSIONAL INTEREST: House: Thompson (MS-2); Senate: Cochran and Wicker (MS).

DISTRICT: Vicksburg

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Yazoo Basin, Reformulation Unit, MS

AUTHORIZATION: Flood Control Act of 1936, 1937, 1938, 1941, 1944, 1946, 1950, 1962, 1965, and Water Resource Development Acts of 1974, 1986, and 1996.

LOCATION: The Yazoo Backwater Area is located in the lower Delta in west-central Mississippi between the east bank Mississippi River levees on the west and the hills east of the Yazoo River. The Yazoo Headwater area is located along the bluff hill line and includes the tributaries that flow out of the hill area into the Yazoo, Tallahatchie, and Coldwater Rivers. Steele Bayou is included within the Big Sunflower River and extends from just north of Vicksburg to just north of Greenville, Mississippi.

DESCRIPTION: The Backwater area extends from just north of Vicksburg, Mississippi, to the vicinity of Greenville, Mississippi. Reformulation includes studies within the Yazoo Backwater, Yazoo Headwater and Steele Bayou areas. The Yazoo Backwater extends from north of Vicksburg to the vicinity of Highway 12. The Steele Bayou area extends from just below Highway 12 to just north of Greenville. The Yazoo Headwater areas extends from south of Greenwood to north of Marks on the Yazoo-Tallahatchie-Coldwater Rivers and their tributaries. A complete reformulation of all remaining unconstructed authorized projects in the Yazoo Basin is ongoing.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$53,000,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Cost	53,000,000
Allocation thru FY 2008	40,196,000
Allocation for FY 2009	2,683,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	1,449,000
Balance to Complete after FY 2010	8,672,000
Benefit to Cost Ratio @ 7% (___%)	1.3

FY 2010 ACTIVITIES: Funds are being used to continue reformulation of the Tributaries unit.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The Reformulation Study covers the remaining authorized unconstructed features of the Yazoo Basin, which is being accomplished in four phases. The first two study phases of the Yazoo Basin Reformulation, Upper Steele Bayou and Upper Yazoo Projects, are complete and the recommended projects are under construction. The third phase, the Yazoo Pump Project which was recommended by the Yazoo Backwater study, was vetoed by the Environmental Protection Agency (EPA) on 31 Aug 08. The fourth and final phase, the Tributaries study, was delayed until construction on the Upper Yazoo Projects phase advanced to provide an outlet for the tributaries. Construction of the Upper Yazoo Projects has advanced to the point that the Tributaries study was resumed in FY 2008.

CONGRESSIONAL INTEREST: House: Thompson (MS-02); Senate: Cochran and Wicker (MS).

DISTRICT: Vicksburg

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Yazoo Basin, Upper Yazoo Projects, MS

AUTHORIZATION: FCAs 1936, Sec. 4 and 8a; 1941, Sec. 3b and 3g; 1946, Sec. 3, 10f, and 10q; and 1965, Sec. 204 authorized the Yazoo Headwater Projects to provide protection to the Yazoo Basin against headwater floods.

LOCATION: The UYP includes channel and levee features along the main channel of the Yazoo, Tallahatchie, and Coldwater Rivers from the vicinity of Yazoo City, MS, to the vicinity of the confluence of Arkabutla Creek with the Coldwater River.

DESCRIPTION: The project will provide flood protection for 8,900 square miles in this region through reduction of flood stages up to 3 feet in most areas.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$412,600,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Cost	412,600,000
Allocation thru FY 2008	259,457,000
Allocation for FY 2009	14,100,000
Recovery Act Allocations to Date	11,330,000
Allocation for FY 2010	12,559,000
Balance to Complete after FY 2010	115,154,000
Benefit to Cost Ratio @ 7% (___%)	1.3

FY 2010 ACTIVITIES: Funds are being used to complete construction of Items 6B and 7A; design and ROW acquisition for Lambfish Bypass Channel; award Rising Sun Bank Stabilization; mitigation property development and management by the Mississippi Department of Wildlife, Fisheries and Parks; award Item 7B and bank stabilization of Item 7C, Phase I.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: House: Thompson (MS-02); Senate: Cochran and Wicker (MS).

DISTRICT: Vicksburg

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Yazoo Basin, Yazoo Backwater, MS

AUTHORIZATION: FCA's 1941, Sec 3(b); 1944, Sec 10; 1965, Sec 204; WRDA 86, Sec 103; WRDA 96, Sec 202 authorized the project to protect a portion of the Yazoo Basin against all but large floods of the Mississippi River.

LOCATION: This project is located in Issaquena County, MS.

DESCRIPTION: This project is a flood damage reduction project in Issaquena County, MS, at the mouth of Steele Bayou near its confluence with the Yazoo River.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$240,400,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Cost	240,400,000
Allocation thru FY 2008	42,746,000
Allocation for FY 2009	5,000,000
Supplemental Allocation for FY 2009	35,000,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	608,000
Balance to Complete after FY 2010	157,046,000
Benefit to Cost Ratio @ 7% (___%)	N/A

FY 2010 ACTIVITIES: The funds are being used for preparation of plans and specifications and construction of the Holt Collier Visitor and Interpretive Center.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: undetermined.

OTHER INFORMATION: The Backwater pump was vetoed on 31 August 2008.

CONGRESSIONAL INTEREST: House: Thompson (MS-02); Senate: Cochran and Wicker (MS).

DISTRICT: Vicksburg

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Yazoo Basin, Yazoo Backwater Less Rocky Bayou, MS

AUTHORIZATION: FCAs of 1941 and 1944 authorize the construction of a levee and pumping plants to protect a portion of the Yazoo Basin against all but large floods of the Mississippi and define flood control as including channel and major drainage improvements.

LOCATION: The Yazoo Backwater Project lies in the southern part of the Delta in west-central Mississippi between the mainline Mississippi River levee and the escarpment which forms the eastern boundary of the Delta. It extends from just north of Vicksburg, MS, approximately 60 miles to the vicinity of Hollandale and Belzoni, MS, and comprises about 2,000 square miles.

DESCRIPTION: The authorized project will provide protection from backwater flooding from the Mississippi River.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$221,600,000
Estimated Non-Federal Cost	164,000
Cash	(164,000)
Other	(0)
Total Estimated Cost	221,764,000
Allocation thru FY 2008	60,923,000
Allocation for FY 2009	48,000
Recovery Act Allocations to Date	475,000
Allocation for FY 2010	72,000
Balance to Complete after FY 2010	160,082,000
Benefit to Cost Ratio @ 7% (___%)	3.1

FY 2010 ACTIVITIES: Funds are being used to perform pumping operations at the Greentree Reservoirs, complete repairs to outlet structures and pumping stations, and upgrade and maintain the Greentree pump houses by the Tennessee Valley Authority.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The four existing greentree reservoirs provide adequate waterfowl mitigation for the Yazoo Backwater Project as it now exists. The greentree reservoirs were constructed within the Delta National Forest in the mid-1980s. However, the U.S. Forest Service (USFS) refused to accept the work. The Corps is completing the work necessary to continue pumping operations and to correct operational safety issues. After completion of rehabilitation on the pumping stations, acceptance would be considered by USFS.

CONGRESSIONAL INTEREST: House: Thompson (MS-02); Senate: Cochran and Wicker (MS).

DISTRICT: Vicksburg

ENVIRONMENT

INVESTIGATIONS

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Environment

PROJECT/STUDY NAME: Spring Bayou, LA

AUTHORIZATION: Resolution of the House Committee on Transportation and Infrastructure adopted 24 March 1998.

LOCATION: The study area includes the Spring Bayou area in Avoyelles Parish, LA, and adjacent parishes.

DESCRIPTION: The Spring Bayou Area is comprised of several U.S. Fish and Wildlife Service refuges and state wildlife management areas, along with adjacent lands. This area has traditionally been recognized as one of the most significant fish and wildlife and wetland ecosystems in the south. Over time, these environmental features have deteriorated. Reconnaissance study findings indicated that proposed improvements would provide positive environmental benefits and also help to reduce headwater flooding.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$2,201,000
Estimated Non-Federal Cost	1,172,000
Cash	(1,000,000)
Other	(172,000)
Total Estimated Cost	3,373,000
Allocations thru FY 2008	1,495,000
Allocation for FY 2009	287,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	338,000
Balance to Complete after FY 2010	81,000
Benefit to Cost Ratio at 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds are being used to continue feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The Feasibility Cost-Sharing Agreement with the non-Federal sponsor, the Avoyelles Parish Police Jury, was signed 15 June 2006. A financing plan including cash and work-in-kind was prepared by the sponsor for the non-Federal share of the study cost.

CONGRESSIONAL INTEREST: House: Alexander (LA-5); Senate: Vitter and Landrieu (LA).

DISTRICT: Vicksburg

WATER SUPPLY

CONSTRUCTION

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, INVESTIGATIONS/CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Water Supply

PROJECT/STUDY NAME: Bayou Meto Basin, AR

AUTHORIZATION: Authorized by Section 363 of WRDA 1996 and confirmed by the Secretary on 24 September 2007 that the project is technically sound, environmentally acceptable, and economic.

LOCATION: This project is located in Lonoke, Prairie, Pulaski, Jefferson, and Arkansas Counties in east-central Arkansas.

DESCRIPTION: The major problems are agricultural flooding, loss of environmental resources, and the depletion of the alluvial aquifer, which provides essentially all the water used for agricultural irrigation and baitfish farming and supports area wetlands. Features of the project include diversion of excess water from the Arkansas River via a delivery system that contains pump stations, a system of new canals, existing streams, and pipelines to the water depleted areas; channel improvements and a pumping station to provide an outlet for reduced flooding; waterfowl conservation and management measures; and other environmental restoration and enhancement features. Flood damage prevention and waterfowl management (Corps high priority outputs), provide significant project benefits.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>PED</u>	FY 2010 <u>Construction^{1/}</u>
Estimated Federal Cost	\$ 24,810,000	\$ 392,825,000
Estimated Non-Federal Cost	\$ 550,000	\$ 221,349,000
Cash	(550,000)	(126,685,000)
Other	(0)	(94,664,000)
Total Estimated Project Cost	\$ 25,360,000	\$ 614,174,000
Allocations thru 2008	\$22,169,000	\$ 22,169,000
Allocation for FY 2009	2,641,000	2,641,000
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	100,000
Balance to Complete	0	\$ 367,915,000
Benefit to Cost Ratio @ 7%		1.1

^{1/} PED costs are a subset of the total Construction costs.

FY 2010 ACTIVITIES: FY 2010 construction funds are available to initiate construction upon execution of the Project Partnership Agreement (PPA) by the ASA(CW).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The PPA is being revised to include language requested by the sponsor to allow sponsor credit for work-in-kind services.

CONGRESSIONAL INTEREST: House: Berry (AR-1), Ross (AR-4). Senate: Lincoln and Pryor (AR).

DISTRICT: Memphis

FACT SHEET
MISSISSIPPI RIVER AND TRIBUTARIES, CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Water Supply

PROJECT/STUDY NAME: Grand Prairie Region, Arkansas

AUTHORIZATION: Sec 204, FCA 1950 (construction authorized); Sec 1001(b), WRDA 1986 (deauthorized); Sec 363, WRDA 1996 (reauthorized construction, expanding the scope to include groundwater protection and conservation, agricultural water supply, and waterfowl management, if the Secretary determines the project is technically sound, environmentally acceptable, and economic).

LOCATION: The project is primarily located in Arkansas and Prairie Counties and a small portion of Lonoke and Monroe Counties.

DESCRIPTION: This project will provide for agricultural water supply, ground water protection, and fish and wildlife restoration and enhancement. The project features include a major pumping station, conveyance channels, and conservation measures for the Grand Prairie area. The Alluvial aquifer is predicted to be depleted by the year 2015 and the deeper Sparta aquifer will also be negatively impacted without the benefits of this project. In addition to protecting the Sparta & Alluvial aquifers, the project will also provide an added environmental benefit of 12 million duck-use days for the project area.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction</u>
Estimated Federal Cost	\$ 208,000,000
Estimated Non-Federal Cost	111,000,000
Cash	(61,336,000)
Other	(49,664,000)
Total Estimated Cost	\$ 319,000,000
Allocation thru FY 2008	\$ 80,067,000
Allocation for FY 2009	8,000,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	9,661,000
Balance to Complete after FY 2010	\$ 110,272,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds are being used to fully fund construction of the pumping station to the ground level. The inlet channel that connects the White River to the pumping station was awarded in June 2009 and is under construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: The sponsors are the State of Arkansas and the White River Regional Irrigation Water Distribution District. The sponsor is acquiring right-of-way for the project. The lawsuit that was brought by the National Wildlife Federation and the Arkansas Wildlife Federation in the U.S. District Court against the Corps and US Fish & Wildlife Service (F&WS) on violations of the National Environmental Policy Act (NEPA) and the Endangered Species Act (ESA) concerning the Ivory-Billed Woodpecker (IBW) was dismissed by the judge with prejudice on 17 December 2008, lifting the injunction and allowing work to resume on the project.

CONGRESSIONAL INTEREST: House: Berry (AR-1), Ross (AR-4). Senate: Lincoln and Pryor (AR).

DISTRICT: Memphis

North Atlantic Division

**NORTH ATLANTIC DIVISION
ENACTED PROJECTS MATERIAL
TABLE OF CONTENTS**

North Atlantic Division.....	NAD - 01
Table of Contents	NAD - 02
Enacted Projects.....	NAD - 06
Flood and Coastal Storm Damage Reduction	NAD - 07
Investigations	NAD - 08
Bloomsburg, PA	NAD - 09
Hashamomuck Cove, Southold, NY	NAD - 10
Lower Saddle River, NJ.....	NAD - 11
Montauk Point, NY	NAD - 12
New Jersey Shore Protection, Hereford Inlet to Cape May Inlet, NJ	NAD - 13
New Jersey Shoreline Alternative Long-Term Nourishment, NJ	NAD - 14
North Shore of Long Island, Asharoken, NY	NAD - 15
Passaic River Main Stem, NJ & NY	NAD - 16
Passaic River, Harrison, NJ	NAD - 17
Peckman River And Tributaries, NJ	NAD - 18
Rahway River Basin, NJ.....	NAD - 19
Raritan Bay and Sandy Hook Bay, Highlands, NJ	NAD - 20
Raritan Bay and Sandy Hook Bay, Leonardo, NJ	NAD - 21
Raritan Bay and Sandy Hook Bay, Union Beach, NJ.....	NAD - 22
Red Clay Creek, Christina River Watershed, DE	NAD - 23
Shrewsbury River Basin and Tributaries, NJ.....	NAD - 24
South River, Raritan River Basin, NJ	NAD - 25
Upper Delaware River Watershed, Livingston Manor, NY	NAD - 26
Upper Susquehanna River Basin Comprehensive	
Flood Damage Reduction, NY.....	NAD - 27
Vicinity of Willoughby Spit, Norfolk, VA	NAD - 28
Winooski River, Montpelier, VT	NAD - 29
Wreck Pond, Monmouth County, NJ	NAD - 30
Construction.....	NAD - 31
Atlantic Coast of Maryland, MD.....	NAD - 32
Barnegat Inlet to Little Egg Harbor Inlet, NJ.....	NAD - 33
Brigantine Inlet to Great Egg Harbor Inlet (Absecon Island), NJ	NAD - 34
Brigantine Inlet to Great Egg Harbor Inlet, Brigantine, NJ.....	NAD - 35
Delaware Coast from Cape Henlopen to Fenwick Island,	
Bethany Beach to South Bethany, DE	NAD - 36
Delaware Coast from Cape Henlopen to Fenwick Island,	
Rehobeth Beach and Dewey Beach, DE	NAD - 37
Delaware Coast Protection, DE.....	NAD - 38
East Rockaway Inlet to Rockaway Inlet & Jamaica Bay, NY.....	NAD - 39
Great Egg Harbor Inlet to Townsends Inlet, NJ.....	NAD - 40
Hackensack Meadowlands, NJ	NAD - 41
Joseph G. Minish Waterfront, NJ	NAD - 42

Construction (Continued)	
Lackawanna River, Scranton, PA.....	NAD - 43
Orchard Beach, Bronx, NY	NAD - 44
Passaic River Basin Flood Mgmt, NJ	NAD - 45
Ramapo River at Mahwah and Suffern, NJ	NAD - 46
Raritan Bay and Sandy Hook Bay, NJ	NAD - 47
Raritan Bay and Sandy Hook Bay, Port Monmouth, NJ	NAD - 48
Sandy Hook to Barnegat Inlet, NJ	NAD - 49
Townsend's Inlet to Cape May Inlet, NJ.....	NAD - 50
Virginia Beach (Hurricane Protection), VA	NAD - 51
Washington, DC & Vicinity	NAD - 52
Wyoming Valley (Levee Raising), PA.....	NAD - 53
Continuing Authorities Program	NAD - 54
Black Rocks Creek (Blackwater River), Salisbury, Massachusetts	NAD - 55
Coastal Areas, Marshfield, Massachusetts	NAD - 56
Hamilton Township, NJ	NAD - 57
Jamestown Island, James City County, Virginia	NAD - 58
Little Mill Creek, New Castle County, DE	NAD - 59
Manasquan River, Howell Township, Monmouth County, NJ	NAD - 60
North River, Peabody, Massachusetts	NAD - 61
Pennsville, Salem County, NJ	NAD - 62
Pennsylvania Avenue Improvement, Bethany Beach, DE	NAD - 63
Philadelphia Shipyard Flood Damage Reduction, Philadelphia, PA	NAD - 64
Prospect Beach, West Haven, Connecticut	NAD - 65
Seaside Park, Ocean County, NJ.....	NAD - 66
Navigation	NAD - 67
Investigations	NAD - 68
Boston Harbor (45-Foot Channel), MA.....	NAD - 69
Delaware River Dredged Material Utilization, PA, DE & NJ	NAD - 70
Construction	NAD - 71
Burlington Harbor, VT.....	NAD - 72
Delaware River Main Channel Deepening, NJ, PA, DE	NAD - 73
James River Deepwater Turning Basin, VA	NAD - 74
Norfolk Harbor and Channels (Deepening), VA	NAD - 75
Continuing Authorities Program	NAD - 76
Bass Harbor, Tremont, Maine	NAD - 77
Bucks Harbor, Machiasport, Maine	NAD - 78
Cape Cod Canal, Sandwich, Massachusetts	NAD - 79
Charlestown Breachway and Ninigret Pond, Charlestown, RI	NAD - 80
Fairless Hills Turning Basin, PA	NAD - 81
Fishermans Cove, Norfolk, Virginia	NAD - 82
Hampton Harbor, Hampton, New Hampshire (Blackwater River)	NAD - 83
Newburyport Harbor, Massachusetts	NAD - 84
Point Judith Harbor and Pond, Narragansett, Rhode Island	NAD - 85
Rhodes Point, MD	NAD - 86
Saco River and Camp Ellis Beach, Saco, Maine.....	NAD - 87
Schuylkill River at Girard Point, PA	NAD - 88
St. Jerome Creek, St. Mary's County, MD.....	NAD - 89
Tangier Island Jetty, Accomack County, Virginia	NAD - 90
Woods Hole Great Harbor, Falmouth, Massachusetts	NAD - 91

Aquatic Ecosystem Restoration	NAD - 92
Investigations	NAD - 93
Bronx River Basin, NY.....	NAD - 94
Chesapeake Bay Shoreline Erosion,.....	
Maryland Coastal Management, MD.....	NAD - 95
Chesapeake Bay Susquehanna Reservoir 6	
Sediment Management, PA, MD & VA.....	NAD - 96
Chowan River, VA & NC	NAD - 97
Connecticut River Ecosystem Restoration, CT, MA, NH & VT.....	NAD - 98
Delaware River Basin, Pine Knot, PA	NAD - 99
Delaware River Waterfront, PA	NAD - 100
Dismal Swamp & Dismal Swamp Canal, VA.....	NAD - 101
Forge River Watershed, NY	NAD - 102
Four Mile Run, VA.....	NAD - 103
Gathright Dam and Lake Moomaw, VA.....	NAD - 104
Greenwood Lake, NY & NJ	NAD - 105
Hudson-Raritan Estuary, Gowanus Canal, NY	NAD - 106
Middle Potomac Comprehensive Plan, MD, VA, Pa, WV & DC	NAD - 107
Middle Potomac River - Cameron Run/Holmes Run, VA.....	NAD - 108
Middle Potomac River, Great Seneca/Muddy Branch, MD	NAD - 109
Red Clay Creek, Christina River Watershed, DE.....	NAD - 110
Stony Brook, Millstone River Basin, NJ.....	NAD - 111
Susquehanna River Basin Environmental Restoration	
and Low Flow Management, NY, PA & MD	NAD - 112
Upper Delaware River Watershed, Floodplain Reconnection, NY	NAD - 113
Construction.....	NAD - 114
Chesapeake Bay Environmental Restoration	
and Protection, MD, VA & PA	NAD - 115
Lake Champlain Watershed Initiative, VT	NAD - 116
Sandyford Run Wetland Creation, PA.....	NAD - 117
Tacony Creek, Philadelphia, PA.....	NAD - 118
Continuing Authorities Program	NAD - 119
Broad Meadows Marsh, Quincy, Massachusetts	NAD - 120
Codorus Creek, PA	NAD - 121
Deep Run/Tiber Hudson, MD	NAD - 122
Dog Island Shoals, MD.....	NAD - 123
Greenbury Point, MD.....	NAD - 124
Lower Kingman Island, DC.....	NAD - 125
Malden River Ecosystem Restoration, Malden, Medford	
& Everett,Massachusetts.....	NAD - 126
Milford Pond, Milford, Massachusetts	NAD - 127
Mill River, Stamford, Connecticut.....	NAD - 128
Mordecai Island Coastal Wetlands Restoration, Ocean County, NJ	NAD - 129
Narrow River, Narragansett, Rhode Island	NAD - 130
North Beach Wetland Restoration, MD	NAD - 131
Northwest Branch, Anacostia River, MD	NAD - 132
Osgood Pond, Milford, New Hampshire.....	NAD - 133
Paint Branch Fish Passage and Stream Restoration, MD	NAD - 134
Pine Mount Creek Habitat Restoration, Cumberland County, NJ	NAD - 135
Pond Creek Salt Marsh Restoration Project, Cape May, NJ.....	NAD - 136
Restoration of Grassdale, New Castle County, DE.....	NAD - 137
Rooster Island, MD.....	NAD - 138

Continuing Authorities Program (Continued).....	
Sweet Arrow Lake, PA	NAD - 139
Ten Mile River, East Providence, Rhode Island.....	NAD - 140
Urieville Lake, MD	NAD - 141
Winnapaug Pond, Westerly, Rhode Island.....	NAD - 142
.....Environmental Infrastructure.....	NAD - 143
New York City Watershed, NY	NAD - 144
Richmond, VA (Combined Sewer Overflow)	NAD - 145
South Central PA Environmental Improvement, PA.....	NAD - 146
Operation and Maintenance.....	NAD - 147
Absecon Inlet, NJ	NAD - 148
Appomattox River, VA	NAD - 149
Bucks Harbor, Machiasport, ME.....	NAD - 150
Cocheco River, NH.....	NAD - 151
Fishing Creek, Calvert County, MD.....	NAD - 152
Great Salt Pond, Block Island, RI (New Harbor)	NAD - 153
Greenwich Harbor, CT	NAD - 154
Hampton Harbor, Hampton, NH.....	NAD - 155
Harbor Of Refuge, Lewes, DE.....	NAD - 156
Manasquan River, NJ.....	NAD - 157
New Bedford and Fair Haven Harbor, MA	NAD - 158
Newburyport Harbor, MA	NAD - 159
Norwalk Harbor, CT.....	NAD - 160
Pawcatuck River, Little Narragansett Bay & Watch Hill Cove, CT & RI	NAD - 161
Plymouth Harbor, Plymouth, MA.....	NAD - 162
Point Judith Harbor Of Refuge, RI.....	NAD - 163
Portsmouth Harbor and Piscataqua River, NH.....	NAD - 164
Providence Harbor Shipping Channel, RI	NAD - 165
Salem River, NJ	NAD - 166
Somerset County Channels, MD.....	NAD - 167

Enacted Projects

Flood and Coastal Storm Damage Reduction

Investigations

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood Damage Reduction

STUDY NAME: Bloomsburg, PA

AUTHORIZATION: Section 1001(38), WRDA 2007 (PL 110-114)

LOCATION: The Town of Bloomsburg is a community of approximately 12,000 people, located at the confluence of Fishing Creek and the North Branch of the Susquehanna River in central Columbia County, Pennsylvania.

DESCRIPTION: Project consists of a series of floodwater barriers that provide Bloomsburg with protection from a Hurricane Agnes-level storm (440-year return frequency) on the Susquehanna River and 100-year storm on Fishing Creek. The NED plan, with a benefit-to cost ratio of 1.41, consists of approximately 17,570 linear feet of levees and floodwalls with fourteen drainage structures, limited road raisings, eight closure structures, upgrades to the existing flood warning system, and mitigation activities.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	
	<u>Feasibility</u>	<u>PED</u>
Estimated Federal Cost	\$1,657,000	\$ 3,312,000
Estimated Non-Federal Cost	1,657,000	1,104,000
Cash	(1,657,000)	(1,104,000)
Other	(0)	(0)
Total Estimated Study Cost	\$3,314,000	\$ 4,416,000
Allocation thru FY 2008	\$1,657,000	\$ 197,000
Allocation for FY 2009	0	430,000
Allocation for FY 2010	0	90,000
Balance to Complete After FY 2010	0	\$ 2,595,000
Remaining Benefits Remaining Costs Ratio (7%)		1.41

FY 2010 ACTIVITIES: Initiate engineering and design activities for the NED plan(scoping soils investigation program and sampling/testing to assess hazardous materials risk, complete risk and uncertainty analyses for Fishing Creek top of protection, and complete Value Engineering Study) while doing a limited economics update and updating design phase cost estimate to amend design agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With adequate Federal and non-Federal funding, design activities can be completed in FY 2013.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Casey and Specter (PA); Representative Kanjorski (PA-11)

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Hashamomuck Cove, Southold, NY

AUTHORIZATION: Resolution of the United States House of Representatives, Committee on Transportation and Infrastructure dated 21 May 2007, Docket 2773.

LOCATION: The study area is located on the north fork of Long Island, in the Town of Southold, Suffolk County, New York.

DESCRIPTION: The Hashamomuck Study Area has been identified as including both the northern and southern shorelines of the north fork of Long Island, bounded by Long Island Sound and Peconic Bay, respectively. The study area extends from Orient Point west a distance of approximately 15 miles to the area of Goldsmith Inlet, in proximity to Duck Pond Point. Severe erosion exists along County Road 48.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$2,150,000
Estimated non-Federal Cost	\$2,150,000
Total Estimated Cost	\$4,300,000
Allocation thru FY2008	\$ 0
Allocation for FY2009	10,000 ^{1/}
Allocation for FY2010	90,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	\$2,140,000
Benefit to Cost Ratio @ 7%	N/A

^{1/} FY09 Conference amount is \$119,000 , which is expected when the Feasibility Cost Sharing Agreement is executed.

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate the Feasibility Phase that will assess the Federal interest for potential flood control, ecosystem restoration and other opportunities within the project area.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Feasibility Report is scheduled for completion in late FY 2013.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representatives Timothy Bishop (NY-01); Senator Charles Schumer (NY) and Senator Kirsten Gillibrand (NY)

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Lower Saddle River, NJ

AUTHORIZATION: Section 401 of the Water Resources Development Act of 1986.

LOCATION: The project is located on the Lower Saddle River, in Lodi, Rochelle Park, Wallington, Saddle Brook, Garfield, and Paramus, New Jersey.

DESCRIPTION: The area has suffered frequent and severe flooding and was devastated in September 1999 from Tropical Storm Floyd. The authorized project consists of channel improvements along 5.2 miles of the Saddle River and 1.7 miles of Sprout Brook. The project also includes the replacement or alteration of 12 bridges.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>PED(LRR)</u>
Estimated Federal Cost	\$2,063,000
Estimated Non-Federal Cost	687,000
Total Estimated Cost	\$2,750,000
Allocation thru FY 2008	\$ 719,000
Allocation for FY 2009	526,000
Allocation for FY 2010	327,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	\$ 491,000
Benefit to Cost Ratio @ 7%	(1.6)

FY 2010 ACTIVITIES: FY 2010 funds are being used to complete the reevaluation study and to initiate plans and specifications for the first constructible element of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED Phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: The design agreement was executed in Feb 05 with NJDEP as the non federal sponsor. The NJDEP in support of the project, require local interests to replace or make compatible 4 of the 12 bridges modifications that are included in the project.

CONGRESSIONAL INTEREST: Representatives Steven Rothman (NJ-9), and Scott Garrett (NJ-5); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Montauk Point, NY

AUTHORIZATION: Resolution of the Committee on the Environment and Public Works of the US Senate, adopted 15 May 1991 and Section 1001 (36) of WRDA 2007.

LOCATION: The project area, which includes a historic lighthouse and bluff, is located at the end of the southern fork of Long Island in the Town of East Hampton.

DESCRIPTION: The original position was some 300 feet from the eastern tip of Long Island, but the combined forces of storm induced erosion and long-term constant erosion now leave less than 75 feet of land in front of the irreplaceable structure.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>PED</u>
Estimated Federal Cost	\$1,000,000
Estimated Non-Federal Cost	335,000
Total Estimated Cost	\$1,335,000
Allocation thru FY 2008	\$186,000
Allocation for FY 2009	191,000
Allocation for FY 2010	193,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	430,000
Benefit to Cost Ratio @ 7%	(1.9)

FY 2010 ACTIVITIES: FY10 funds, along with prior year PED funds will be used to initiate the Pre-construction, Engineering, and Design (PED) phase. PED funds will be used after the execution of a design agreement with the non-Federal sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representative Timothy Bishop (NY-1); Senators Gillibrand (NY) and Schumer (NY).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME AND STATE: New Jersey Shore Protection, Hereford Inlet to Cape May Inlet, New Jersey

AUTHORIZATION: House Resolution by the Committee on Public Works and Transportation dated December 10, 1987 for the New Jersey Shoreline.

LOCATION: The study area is located in Cape May County, New Jersey between Hereford Inlet and Cape May Inlet, locally referred to a Five Mile Island.

DESCRIPTION: The island includes the towns of North Wildwood, Wildwood, and Wildwood Crest and also contains a U.S. Coast Guard Receiving Center and a U.S. Fish and Wildlife management area. The study will evaluate hurricane protection and storm damage reduction measures for the area's businesses and residences as well as opportunities for environmental restoration. The study will also evaluate the accretion of the shoreline along the southern end of the barrier island near Cape May Inlet.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Feasibility Study</u>
Estimated Federal Cost	\$ 1,794,143
Estimated Non-Federal Cost	\$ 1,494,143
Total Estimated Cost	\$ 3,288,286
Allocation thru 2008	\$ 1,398,143
Allocation for FY 2009	\$ 96,000
Allocation for FY 2010	\$ 90,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 210,000
Benefit to Cost Ratio Applicable rate (%)	N/A

FY2010 ACTIVITIES: The FY 10 funds will be used to continue the feasibility study including selecting a plan for implementation and draft the Feasibility report, complete the Agency Technical Review and incorporate Risk and Uncertainty into the project plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: The feasibility cost-sharing agreement was executed in September 2002.

CONNGRESSIONAL INTEREST: Senators Lautenberg and Menendez (NJ), Representative LoBiondo (NJ-2)

DISTRICT: Philadelphia

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME AND STATE: New Jersey Alternative Long-Term Nourishment Study

AUTHORIZATION: House Resolution by the Committee on Public Works and Transportation dated December 10, 1987.

LOCATION: This Feasibility study is evaluating methods to manage New Jersey's shore protection program and navigation projects as a system and on a regional basis to ensure maximum benefits are achieved from the Federal investment and reduce long-term periodic nourishment costs.

DESCRIPTION: The study includes: development of a regional sediment budget and an improved understanding of regional coastal processes; implementation of an efficient regional monitoring program; and development of a comprehensive shore, inlet, and borrow area management strategy.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Recon</u>	<u>FY 2010 Feasibility Study</u>
Estimated Federal Cost	\$ 50,000	\$ 2,012,000
Estimated Non-Federal Cost	\$ 0	\$ 2,012,000
Total Estimated Cost	\$ 50,000	\$ 4,024,000
Allocation thru 2008	\$ 50,000	\$ 917,272
Allocation for FY 2009	\$ 0	\$ 96,000
Allocation for FY 2010	\$ 0	\$ 90,000
Recovery Act Allocations to Date	\$ 0	\$ 265,097
Balance to Complete after FY 2010	\$ 0	\$ 643,631
Benefit to Cost Ratio Applicable rate (%)	\$ 0	N/A

FY2010 ACTIVITIES: The FY 10 funds are being used to continue the feasibility study activities including development of cost-saving strategies for the NJ shore protection program such as: combining projects to reduce life-cycle nourishment costs; identify causes and solutions of erosion hotspots at several barrier islands; continued coordination with stakeholders groups; investigating a mobile hydraulic sand back passing prototype; and identifying environmental constraints associated with borrow areas. The FY 09 ARRA funds are being used to scope and accelerate study progress including analyses towards the development of white papers addressing cost saving strategies and sediment framework. The FY 11 funds could be used to continue the feasibility study to evaluate a systems approach to ensure maximum benefits are achieved to reduce long-term periodic nourishment costs.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: The non-Federal sponsor is the New Jersey Department of Environmental Protection. Feasibility Cost Sharing Agreement was executed in 30 December 2002.

CONGRESSIONAL INTEREST: Senators Lautenberg and Menendez (NJ), Representatives LoBiondo (NJ-02), Pallone (NJ-06), Smith (NJ-04) and Adler (NJ-03)

DISTRICT: Philadelphia

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: North Shore Long Island, Asharoken, NY

AUTHORIZATION: Resolution of the Committee on Public Works and Transportation, U.S. House of Representatives, adopted 13 May 1993.

LOCATION: The study area is located on the North Shore of Long Island, in the Town of Huntington in northeastern Suffolk County, New York.

DESCRIPTION: Asharoken Beach connects Eaton's Neck and part of the Village of Asharoken with the rest of the Village of Asharoken on the mainland of Long Island. The roadway along Asharoken Beach, Asharoken Avenue, provides the only vehicular access to Eaton's neck. Recent coastal storms have accelerated shoreline erosion. Asharoken has incurred major losses due to coastal erosion and flooding.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,300,000
Estimated Non-Federal Cost	1,300,000
Total Estimated Cost	\$2,600,000
Allocation thru FY 2008	\$1,069,000
Allocation for FY 2009	96,000
Allocation for FY 2010	121,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	14,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 10 funds will be used to continue the Draft Feasibility Report, contingent upon receipt of non-Federal funding.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011. Phase completion subject to resolution of project issues listed below.

OTHER INFORMATION: Project issues include environmental acceptability of offshore sand borrow area; economic justification; need for additional non-Federal study funding; and public access planning.

CONGRESSIONAL INTEREST: Representative Steve Israel (NY-02)

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted and Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Passaic River Main Stem, New Jersey & New York

AUTHORIZATION: Section 101(a)18)(A) of the WRDA of 1990 as modified by Section 102(p) of WRDA 1992 and Section 327 of WRDA 2000

LOCATION: The project is located in the Passaic River Basin in northern New Jersey.

DESCRIPTION: The Passaic River Basin suffers from severe and repeated flooding. The project consists of several separable elements including an underground diversion tunnel, levees and floodwalls, and the acquisition of natural flood storage areas.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>PED (GRR)</u>
Estimated Federal Cost	\$3,000,000
Estimated Non-Federal Cost	1,000,000
Total Estimated Cost	\$4,000,000
Allocation thru FY 2008	\$ 53,000
Allocation for FY 2009	119,000
Allocation for FY 2010	98,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	\$2,730,000
Benefit to Cost Ratio @ 7%	(1.4)

FY 2010 ACTIVITIES: FY 10 funds along with prior year funds are being used to initiate a General Re-evaluation study of the authorized project including the coordinating and signing of a project management plan and a Design agreement with the State of New Jersey.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED Phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: The PED effort on the authorized project was suspended in 1996 and at the request of the non-Federal sponsor, only some separable elements have been implemented. Now community interest and coordination with the State of New Jersey indicate that a GRR is necessary to re-evaluate and advance the other authorized project features or new elements.

CONGRESSIONAL INTEREST: Representatives Rodney Frelinghuysen (NJ-11) and William Pascrell, JR. (NJ-8); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Passaic River, Harrison, NJ

AUTHORIZATION: Section 101a (18)(B) of the WRDA of 1990 as modified by Section 102(p) of WRDA 1992.

LOCATION: This project is a separable element of the Mainstem Passaic River Flood Protection Project. It lies along the east bank of the Passaic River in the City of Harrison.

DESCRIPTION: The project consists of levees and floodwalls providing 500-year level of protection to about 200 commercial and residential structures in Harrison New Jersey.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 PED
Estimated Federal Cost	\$2,286,000
Estimated Non-Federal Cost	0
Total Estimated Cost	\$2,286,000
Allocation thru FY 2008	\$1,893,000 <u>1/</u>
Allocation for FY 2009	143,000
Allocation for FY 2010	90,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	\$ 160,000
Benefit to Cost Ratio @ 7%	(1.5)

1/Includes \$300,000 of Passaic River Mainstem PED Funds.

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue pre-construction engineering and design (PED) , including completion of an updated decision document.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011, subject to availability of funds.

OTHER INFORMATION: The New Jersey Department of Environmental Protection strongly supports the project and is willing to act as the cost-sharing partner.

CONGRESSIONAL INTEREST: Representative Albio Sires (NJ-13); Senators Menendez (NJ) and Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Peckman River and Tributaries, NJ

AUTHORIZATION: U.S. House of Representatives, Committee on Transportation and Infrastructure Resolution Docket 2644, adopted June 21, 2000.

LOCATION: The Peckman River Basin study area for flood control and ecosystem restoration is located in Essex and Passaic Counties, New Jersey.

DESCRIPTION: The Peckman River originates in the Town of West Orange and flows through the towns of Verona, Cedar Grove, and Little Falls to its confluence with the Passaic River in West Paterson. The Basin experiences frequent flooding from intense thunderstorms and heavy rainfall. These storms can deposit large amounts of precipitation in the watershed, producing significant runoff, which quickly surpasses the capacity of the river channel, and bridge and culvert openings. The current state of the river ecosystem reflects the type of long-term degradation often associated with heavily urbanized watersheds and provides opportunities for ecosystem restoration.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$2,500,000
Estimated Non-Federal Cost	\$2,200,000
Total Estimated Cost	\$4,700,000
Allocation thru FY 2008	\$1,231,000
Allocation for FY 2009	526,000
Allocation for FY 2010	314,000
Recovery Act Allocation To Date	0
Balance to complete after FY 2010	429,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 10 funds are being used to continue the feasibility phase of the study, including completing alternative measures and economic benefit analysis, public coordination, and environmental impact statement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011, subject to availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representative William Pascrell, Jr., (NJ-08); Senators Robert Menendez (NJ) and Frank Lautenberg(NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Rahway River Basin, NJ

AUTHORIZATION: Resolution adopted by the U.S. House of Representatives Committee on Public Works and Transportation on 24 March 1998.

LOCATION: The Rahway River Basin is located in northeastern New Jersey within the metropolitan area of New Jersey counties of Essex, Union, and Middlesex.

DESCRIPTION: Flooding within the Rahway River Basin is caused principally by the rapid development of the area, which has resulted in a large increase of storm water runoff. Floods have caused damage to houses, businesses, municipal facilities and public infrastructure. Portions of the Rahway River Basin have also suffered environmental degradation and opportunities exist for restoration.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$3,200,000
Estimated Non-Federal Cost	\$3,200,000
Total Estimated Project Cost	\$6,400,000
Allocation thru FY 2008	\$ 516,000
Allocation for FY 2009	143,000
Allocation for FY 2010	238,000
Recovery Act Allocation To Date	0
Balance to complete after FY 2010	\$2,303,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue the feasibility study, including economic, hydraulic, and environmental analyses to establish baseline conditions.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representatives Leonard Lance (NJ-7) and Albio Sires (NJ-13).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Raritan and Sandy Hook Bay, Highlands, NJ

AUTHORIZATION: Resolution adopted by the U.S. House of Representatives Committee on Public Works and Transportation on August 1, 1990.

LOCATION: The Highlands study area is in Monmouth County, New Jersey.

DESCRIPTION: It is situated with the Shrewsbury River to the east and Atlantic Highlands to the west and bounded by Raritan Bay to the north. The feasibility study will determine the viability of Federal participation in storm damage protection.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,950,000
Estimated Non-Federal Cost	1,750,000
Total Estimated Cost	\$3,700,000

Allocation thru FY 2008	\$1,114,000
Allocation for FY 2009	191,000
Allocation for FY 2010	238,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	407,000

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue the feasibility phase of the study, including additional data gathering and analyses, screening of alternatives, plan formulation and environmental scoping efforts.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: The New Jersey Department of Environmental Protection is the cost-sharing partner for this study.

CONGRESSIONAL INTEREST: Representative Frank Pallone, Jr. (NJ-06); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Raritan and Sandy Hook Bay, Leonardo, NJ

AUTHORIZATION: Resolution adopted by the House of Representatives Committee on Public Works and Transportation on August 1, 1990.

LOCATION: The Leonardo study area is located in the northeastern portion of Middletown Township in Monmouth County, New Jersey.

DESCRIPTION: Low-lying residential and commercial structures in the area experience flooding caused by coastal storm inundation. The feasibility study will determine the viability of Federal participation in flood and storm damage reduction.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	FY 2010
	<u>Feasibility</u>	<u>PED</u>
Estimated Federal Cost	\$1,350,000	\$1,500,000
Estimated Non-Federal Cost	1,350,000	500,000
Total Estimated Cost	\$2,700,000	2,000,000
Allocation thru FY 2008	\$1,350,000	\$ 25,000
Allocation for FY 2009	0	96,000
Allocation for FY 2010	0	22,000
Recovery Act Allocation to Date	0	0
Balance to complete after FY 2010	0	\$1,357,000
Benefit to Cost Ratio at 7%	N/A	TBD

FY 2010 ACTIVITIES: Prior year feasibility funds are being used to complete the Feasibility Report in FY 2010. FY 10 PED funds along with prior year PED funds will be used to initiate the Pre-construction, Engineering, and Design (PED) phase. PED funds will be used after the execution of a design agreement with non-Federal sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Completion of the feasibility phase is scheduled for FY 2010.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representative Frank Pallone, Jr.(NJ-06); Senators Lautenberg (NJ) and Menendez (NJ)

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Raritan Bay and Sandy Hook Bay, Union Beach, New Jersey

AUTHORIZATION: Resolution adopted by the House of Representatives Committee on Public Works and Transportation on August 1, 1990.

LOCATION: The study area is located in the northern portion of Monmouth County, New Jersey. It occupies about a 1.8 square mile area of land along the coast of Raritan Bay.

DESCRIPTION: The proposed plan provides for protection against beach erosion, tidal inundation, and wave attack along the shoreline as well as against tidal flooding from the bay and the tidal creeks.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 PED
Estimated Federal Cost	\$ 750,000
Estimated Non-Federal Cost	250,000
Total Estimated Cost	\$1,000,000
Allocation thru FY 2008	\$ 54,000
Allocation for FY 2009	96,000
Allocation for FY 2010	90,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	\$ 510,000
Benefit to Cost Ratio @ 7% (1.6)	

FY 2010 ACTIVITIES: PED funds are being used to continue with the PED phase efforts.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED Phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: The non-federal sponsor is New Jersey Department of Environmental Protection (NJDEP).

CONGRESSIONAL INTEREST: Representative Frank Pallone, Jr. (NJ-06); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction, Ecosystem Restoration

PROJECT/STUDY NAME AND STATE: Red Clay Creek, Christina River Watershed, DE

AUTHORIZATION: Senate Committee on Environment and Public Works Resolution, dated October 29, 1997.

LOCATION: The Christina River Watershed is located in New Castle County in Delaware; Delaware, Chester, and Lancaster Counties in Pennsylvania; and Cecil County in Maryland. The watershed drains an approximate area of 565 square miles.

DESCRIPTION: This study will investigate opportunities for reducing flood damage, improving aquatic habitat, and improving water quality. Various solutions to address these issues at specific locations within the watershed will be considered in depth during the feasibility phase. Possible alternative solutions include riparian buffer enhancement, stream bank stabilization, natural stream channel restoration, construction of fish passages, wetland creation & restoration, and structural flood damage reduction measures.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility Study</u>
Estimated Federal Cost	\$ 1,300,000
Estimated Non-Federal Cost	\$ 1,300,000
Total Estimated Cost	\$ 2,600,000
Allocation thru 2008	\$ 749,000
Allocation for FY 2009	\$ 287,000
Allocation for FY 2010	\$ 237,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 27,000
Benefit to Cost Ratio @ 7 (%)	N/A

FY 2010 ACTIVITIES: FY2010 Feasibility Study activities include plan formulations and screening of alternatives (Cycles 1,2,3), development of the recommended plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011

OTHER INFORMATION: The current Feasibility Study is focusing primarily on Red Clay Creek within the State of Delaware.

CONGRESSIONAL INTEREST: Senators Kaufman and Carper (DE), Representative Castle (DE-AL)

DISTRICT: Philadelphia

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Shrewsbury River Basin and Tributaries, NJ

AUTHORIZATION: Resolution of the Committee on Transportation and Infrastructure of the House of Representatives, adopted 7 May 1997.

LOCATION: The study area includes the Townships of Sea Bright and Monmouth Beach in Monmouth County, New Jersey.

DESCRIPTION: Frequent flooding occurs along the Shrewsbury River and its tributaries. Flooding is due to storm surges caused by hurricanes and northeasters that produce high tides, which back up normal river flow.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,684,000
Estimated Non-Federal Cost	1,400,000
Total Estimated Cost	\$3,084,000

Allocation thru FY 2008	\$982,000
Allocation for FY 2009	191,000
Allocation for FY 2010	458,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	53,000

FY 2010 ACTIVITIES: FY 2010 funds are being used to complete the Feasibility Report including EA, and initiate peer review efforts.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Feasibility Report is scheduled for completion in late FY 2011, subject to availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representative Frank Pallone, Jr. (NJ-06); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: South River, Raritan River Basin, NJ

AUTHORIZATION: U.S. House of Representatives Committee on Public Works and Transportation Resolution dated 13 May 1993.

LOCATION: The flood damage reduction and ecosystem restoration study area is located within the lower Raritan River Basin in Middlesex County, New Jersey.

DESCRIPTION: The South River is the first major tributary of the Raritan River, located about 8.3 miles upstream of the Raritan Bay. The South River is tidally controlled from its mouth upstream to Duhernal Lake Dam. The March '93 Nor'easter, which is regarded as the worst on record, caused evacuations of more than 200 people from their homes and business. If the same flood were to occur today, it would cause about \$10 million in damages.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>PED</u>
Estimated Federal Cost	\$3,000,000
Estimated Non-Federal Cost	1,000,000
Total Estimated Cost	\$4,000,000
Allocation thru FY 2008	\$704,000
Allocation for FY 2009	263,000
Allocation for FY 2010	314,000
Recovery Act Allocation To Date	0
Balance to complete after FY 2010	\$1,719,000
Benefit to Cost Ratio @ 7%	(1.9)

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue the Pre-construction Engineering and Design (PED) phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED Phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: Several sites for ecosystem restoration have been selected, including a 350-acre island along the Washington Canal and South River. The estimated project cost is \$103,268,200, with an estimated Federal cost of \$67,124,300. The average annual benefits for the flood damage reduction project amount to \$9,161,400, all for flood damage reduction. The benefit-cost-ratio is approximately 2.2 to 1.

CONGRESSIONAL INTEREST: Representatives Frank Pallone, Jr. (NJ-06) and Rush Holt (NJ-12); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction/Environmental

PROJECT NAME AND STATE: Upper Delaware River Watershed, Livingston Manor, NY

AUTHORIZATION: U.S. House of Representatives, Committee on Transportation and Infrastructure Resolution No. 2495, Upper Delaware River Watershed, NY adopted May 9, 1996.

LOCATION: The study area is located in Sullivan County, New York.

DESCRIPTION: This study encompasses the Willowemoc Creek watershed (upstream of the Highway 17 Bridge); including Little Beaver Kill Creek and Cattail Brook. Initial impetus of the study was the January 1996 storm event which caused over \$19 million in damages in Sullivan and Delaware Counties, NY. Consecutive major floods in September 2004, April 2005 and June 2006, again caused devastation along the main stem Delaware River and its tributaries, repeatedly damaging property and disrupting tens of thousands of lives. The study includes structural and nonstructural flood risk management as well as flood plain, wetlands and ecosystem restoration and aquatic habitat improvement.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility Study</u> ^{1/}
Estimated Federal Cost	\$ 583,000
Estimated Non-Federal Cost	\$ 583,000
Total Estimated Cost	\$1,166,000
Allocation thru 2008	\$ 250,000
Allocation for FY 2009	\$ 46,000
Allocation for FY 2010	\$ 90,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 197,000
Benefit to Cost Ratio Applicable rate (%)	N/A

^{1/} Reconnaissance study was completed under the Upper Delaware River Watershed, NY project.

FY2010 ACTIVITIES: The Reconnaissance Phase was completed with an executed FCSA on June 26, 2009. The feasibility study was initiated in September 2009 with the appropriated funds and non-Federal sponsor's cost share funding. FY10 funds will be used to continue the feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2013

OTHER INFORMATION: FY10 funds will be used to continue the feasibility study, including completion of HEC-RAS and HEC-HMS Flood Modeling and coordination with resource agencies to establish the existing conditions that contribute to area flooding and environmental degradation, followed by feasible alternative development through public coordination and formulation of a selected plan that provides reduction of flood damages along with habitat enhancement features.

CONGRESSIONAL INTEREST: Senators Gillibrand and Schumer (NY), Representative Hinchey (NY-22)

DISTRICT: Philadelphia

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood Damage Reduction, Watershed Planning

STUDY NAME: Upper Susquehanna River Basin Comprehensive Flood Risk Management Study, NY

AUTHORIZATION: Resolution of the House Committee on Transportation and Infrastructure, 7 March 1996

LOCATION: The Susquehanna River Basin drains an area of 27,500 square miles, covering half of Pennsylvania, and portions of New York and Maryland. This landmass encompasses over 43% of the Chesapeake Bay's total drainage area.

DESCRIPTION: The purpose of the study would be to identify flood damage reduction measures for the residents and businesses within the Upper Susquehanna River Basin, New York. Damages prevented by the U.S. Army Corps of Engineers projects in June 2006 were valued at \$450 M. However, many areas remain unprotected and sustained significant damages. There was also loss of life as a result of the June 2006 event. Following the flood event, emergency programs (P L 84-99) and additional operation and maintenance funds were used to the fullest extent possible. While this aided in short-term and emergency-type assistance, these funds are not available for proactive planning and evaluations to forecast or address future flood events and problem areas. In addition, the short term and emergency funds are for site-specific issues that arise following a flood event and are not applicable for comprehensive watershed or basin-wide solutions. A system-based approach will identify appropriate Federal and non-Federal problem areas and investments to reduce future flood damages and save lives.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Recon</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$300,000	\$ 1,750,000
Estimated Non-Federal Cost	0	1,750,000
Cash	(0)	(0)
Other	(0)	1,750,000
Total Estimated Study	\$300,000	\$3,500,000
Allocation thru FY 2008	\$0	\$ 0
Allocation for FY 2009	0	0
Allocation for FY 2010	90,000	0
Balance to Complete After FY 2010	\$ 210,000	\$ 1,750,000
Remaining Benefits Remaining Costs Ratio (7%)		N/A

FY 2010 ACTIVITIES: A project delivery team will be formed and meetings coordinated with local interests to determine appropriate study needs. A Section 905(b) reconnaissance analysis and a draft project management plan will be completed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The execution of a feasibility cost-sharing agreement is expected in 2011 and the final comprehensive plan is expected in 2014.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Gillibrand and Schumer (NY), and Representatives Hinchey (NY-22) and Arcuri (NY-24).

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Vicinity of Willoughby Spit, Virginia

AUTHORIZATION: Section 501 of the WRDA 86, as amended.

LOCATION: In the City of Norfolk, VA, along 7.3 miles of southern Chesapeake Bay shore extending from the tip of Willoughby Spit to Little Creek Inlet.

DESCRIPTION: The 1986 WRDA authorized the construction and periodic nourishment of a 60-foot wide beach berm, at an elevation of 5.0 feet above mean low water, for the entire shoreline. The City requested restart of Preconstruction Engineering and Design (PED) including General Reevaluation to determine continued Federal interest in the project.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 PED
Estimated Federal Cost	1,564,000
Estimated Non-Federal Cost	521,000
Cash	521,000
Other	0
Total Estimated Cost	2,085,000
Allocation thru FY 2008	1,034,000
Allocation for FY 2009	287,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	218,000
Balance to Complete after FY 2010	25,000
Benefit to Cost Ratio @ 7%	1.5

(1) From last approved project decision document (1983)

FY 2010 ACTIVITIES: Continue the General Reevaluation Study, including plan formulation, coastal modeling, and NEPA field investigations.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Senators Warner (VA), Webb (VA); Rep Nye (VA-2).

DISTRICT: Norfolk

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Winooski River, Montpelier, VT

AUTHORIZATION: Section 309(I) of the Water Resources Development Act of 1992; P.L. 102-580

LOCATION: The study area consists of the section of Montpelier which lies within the 500 year fluvial floodplain of the Winooski River and its tributaries.

DESCRIPTION: A Reconnaissance Study was completed in 1996, which confirmed Federal Interest and potential solutions. Due to City budget issues, the project was not carried forward in 1996. However, as a result of a potentially serious freeze-up ice jam event in January 2006, the City of Montpelier, VT partnered with the State of Vermont, expressed renewed interest in advancing the 1996 Reconnaissance study forward into the Feasibility Phase. In FY 2008, \$25,000 were re-programmed to this study to enable the District to coordinate with the City and the State of Vermont. A PMP was prepared; the City is prepared to execute a Feasibility Cost Sharing Agreement once the FCSA is approved for execution.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
Estimated Federal Cost	<u>Feasibility</u> 1,250,000
Estimated Non-Federal Cost	1,000,000
Total Estimated Cost	2,250,000
Allocation thru FY 2008	0
Allocation for FY 2009	10,000 1/ _
Allocation for FY 2010	179,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	1,061,000

1/ FY09 Conference amount was \$239,000 , which is expected when the Peer Review Plan gets approved, as concurred upon by North Atlantic Division.

FY 2010 ACTIVITIES: FY 10 funds will be used to initiate Feasibility Phase including: determination of existing conditions through hydrologic survey updates, structural inventory surveys, and review of existing reports.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2012, if full funding is provided.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Sen. Sanders (VT), Sen. Leahy (VT), Rep. Welch (D/VT-At Large)

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction & Environment

PROJECT/STUDY NAME: Wreck Pond, Monmouth County, NJ

AUTHORIZATION: Study Resolution by the House Transportation and Infrastructure Committee, dated 26 October 2005.

LOCATION: The study area is the watershed of Wreck Pond, which includes the Borough of Spring Lake, New Jersey.

DESCRIPTION: Problems in the pond include ecosystem degradation due to sedimentation as well as flooding during periods when high tides coincide with severe rainfall events.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$ 100,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 90,000
Recovery Act Allocation to Date	0
Balance to Complete after FY 2010	\$ 10,000
Benefit Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate and complete the reconnaissance report to identify potential flood risk management, ecosystem restoration and other opportunities within the project area.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The reconnaissance phase would be completed in FY10.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Christopher Smith (NJ-4); Senators Frank Lautenberg (NJ) and Robert Menendez(NJ)

DISTRICT: New York

Construction

FACT SHEET
CONSTRUCTION
Enacted Projects and Studies

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Atlantic Coast of Maryland Hurricane and Shoreline Protection, MD

AUTHORIZATION: Section 501(a) of WRDA 1986 (PL 99-662) and as amended by Section 104 of the Energy and Water Development Appropriations Act of 1990 (PL 101-101).

LOCATION: The project is located in Worcester County, Maryland. Fenwick and Assateague Islands form the Atlantic Coast of Maryland and extend in a north-south direction from Delaware Bay to Chincoteague Inlet, Virginia.

DESCRIPTION: Completed in 1991, the project consisted of widening and raising the beach from 3rd Street in Ocean City, MD to the Maryland - Delaware line (about 8.3 miles) and a 0.3 mile transition into Delaware, construction of a steel sheetpile bulkhead from 4th street to the north end of the boardwalk at 27th Street (about 1.4 miles), construction of a sand dune from the north end of the boardwalk to the Maryland - Delaware line (about 6.9 miles plus a 0.3 mile transition into Delaware), and project operation and maintenance (non-Federal cost). The long-term features of the project include monitoring and renourishment (cost shared 53%/47%) over an economic life of 50 years. Maintenance of the dune and berm above +6 ft meters National Geodetic Vertical Datum (NGVD) is the financial responsibility of the non-Federal sponsor.

<u>SUMMARIZED FINANCIAL Data</u>	Constructio	FY 2010
		<u>n</u>
Estimated Federal Cost	\$	270,300,000 /1
Estimated Non-Federal Cost	\$	229,700,000
Cash	\$	229,166,000
Other	\$	534,000
Total Estimated Project Cost	\$	500,000,000
Allocation thru FY 2008		\$ 43,894,000 /1
Allocation for FY 2009		\$ 100,000
Allocation for FY 2010		\$ 2,906,000
Balance to Complete After FY 2010	\$	223,400,000
Benefit to Cost Ratio at 7% - (2.1)		

1/ Includes Investigations (PED) costs in the amount of \$2.64M

FY 2010 ACTIVITIES: Funds in the amount of \$2,906,000 will be used for annual monitoring requirements (\$100,000) and to design and award approximately two thirds (64%) of the required periodic beach nourishment (\$2,806,000).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimum funding, the project would be completed in September 2044.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Cardin (MD) and Mikulski (MD), and Representatives Kratovil (MD-01), Ruppberger (MD-02), Sarbanes (MD-03), Hoyer (MD-05), and Cummings (MD-07).

DISTRICT: Baltimore

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME AND STATE: Barnegat Inlet to Little Egg Harbor Inlet, NJ

AUTHORIZATION: Section 101 (a) (1) of WRDA 2000

LOCATION: The project area extends approximately 20 miles from Barnegat Inlet to Little Egg Harbor Inlet along the Atlantic coast of New Jersey. The project area is commonly referred to as Long Beach Island and is approximately 14 miles north of Atlantic City.

DESCRIPTION: The selected plan consists of berm and dune restoration utilizing sand obtained from offshore borrow sources. This plan would require 4.95 million cubic yards of sand for initial berm placement, and 2.45 million cubic yards for dune placement. Approximately 1.9M CY would be needed for periodic nourishment every 7 years for the 50-year period of analysis.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction</u> 1/
Estimated Federal Cost	\$134,600,000
Estimated Non-Federal Cost	\$106,000,000
Cash	\$104,569,000
Other	\$ 1,431,000
Total Estimated Project Cost	\$240,600,000
Allocation thru FY 2008	\$ 14,869,500
Allocation for FY 2009	\$ 11,700,000
Allocation for FY 2010	\$ 4,844,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete After FY10	\$103,186,500
Benefit to Cost Ratio @ 7%	1.8

1/ Amounts include PED costs.

FY 2010 ACTIVITIES: A portion of the funds is being used for project monitoring. Project Delivery Team is determining if funds are adequate to continue initial construction with the advertisement and award of the next construction contract. An assessment of the necessary real estate for the next initial construction contract is also taking place. If the funds are not adequate the balance after monitoring will be carried over until adequate funds and the necessary real estate are received to initiate the next initial construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2064 is an estimated completion date based on receipt of initial construction funds. This is based on 50-years from completion of initial construction since this project is a Flood and Coastal Storm Damage Reduction Project with a 50-year project life.

OTHER INFORMATION: The non-Federal sponsor is the NJDEP.

CONGRESSIONAL INTEREST: Rep. Adler (NJ-3), Rep. Frelinghuysen (NJ-11), Sen. Lautenberg (NJ) & Sen. Menendez (NJ)

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME AND STATE: Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island, NJ

AUTHORIZATION: Section 101(b)(13) of WRDA 1996

LOCATION: The Absecon Island project is located along Atlantic Coast of New Jersey, extending about 8.1 miles from Absecon Inlet to Great Egg Harbor Inlet. The project area includes Atlantic City, Ventnor, Margate and Longport.

DESCRIPTION: The recommended project consists of providing 6.2 million cubic yards of initial beachfill, with subsequent periodic nourishment of 1.6 million cubic yards every three years, for a 200-foot-wide berm at elevation 8.5 feet NGVD and a dune to elevation 16 feet NGVD for Atlantic City, and a 100-foot-wide berm at elevation 8.5 feet NGVD and a dune to 14 feet NGVD for Ventnor, Margate and Longport along 8.1 miles of shoreline. The plan also includes 0.3 miles of bulkhead construction along the Absecon Inlet frontage of Atlantic City.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction 1/</u>
Estimated Federal Cost	\$204,000,000
Estimated Non-Federal Cost	\$109,700,000
Cash	\$ 96,284,000
Other	\$ 13,416,000
Total Estimated Project Cost	\$313,700,000
Allocation thru FY 2008	\$ 19,843,677
Allocation for FY 2009	\$ 1,914,000
Allocation for FY 2010	\$ 1,890,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete After FY10	\$180,352,323
Benefit to Cost Ratio @ 7%	2.0

1/ Amounts include PED costs.

FY 2010 ACTIVITIES: A portion of the funds are being used for project monitoring. The team is determining if funds are adequate to initiate 2nd nourishment cycle or the initial construction of the Atlantic City bulkhead. The sponsor has informed the Corps that their priority is the 2nd nourishment cycle. If the funds are not adequate to initiate the 2nd nourishment cycle they will be carried over until adequate funds have been received.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The estimated completion date is 2055. This date is based on 50-years from completion of initial construction since this project is a Flood and Coastal Storm Damage Reduction Project with a 50-year project life.

OTHER INFORMATION: The non-Federal sponsor is the NJDEP.

CONGRESSIONAL INTEREST: Rep. LoBiondo (NJ-02), Rep. Frelinghuysen (NJ-11), Sen. Lautenberg (NJ) & Sen. Menendez (NJ)

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Brigantine Inlet to Great Egg Harbor Inlet, Brigantine Island, NJ

AUTHORIZATION: Section 101(b)(12) of WRDA 1999

LOCATION: The project is located in the City of Brigantine, along the Atlantic coast of New Jersey in Atlantic County about five miles north of Atlantic City.

DESCRIPTION: The project recommends a berm, end tapers, and a dune over the length of the project. The project includes dune grass plantings and sand fencing. Initial construction will place 648,000 cubic yards of sand on the beach. Subsequent periodic nourishment will require 312,000 cubic yards of sand every 6 years over the 50-year project life.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Construction</u> 1/
Estimated Federal Cost	\$29,000,000
Estimated Non-Federal Cost	\$15,600,000
Cash	\$15,562,000
Other	\$ 38,000
Total Estimated Project Cost	\$44,600,000
Allocation thru FY 2008	\$ 3,672,917
Allocation for FY 2009	\$ 77,000
Allocation for FY 2010	\$ 80,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete After FY 2010	\$25,170,083
Benefit to Cost Ratio @ 7%	1.2

1/ Amounts include PED Costs.

FY 2010 ACTIVITIES: Funds are being used for project monitoring.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The estimate completion date is 2055. This date is based on 50-years from completion of initial construction since this project is a Flood and Coastal Storm Damage Reduction Project with a 50-year project life.

OTHER INFORMATION: The non-Federal sponsor is the New Jersey Department of Environmental Protection.

CONGRESSIONAL INTEREST: Rep. LoBiondo (NJ-02), Rep. Frelinghuysen (NJ-11), Sen. Lautenberg (NJ) & Sen. Menendez (NJ)

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Delaware Coast from Cape Henlopen to Fenwick Island, Bethany Beach to South Bethany, DE

AUTHORIZATION: Section 101 (a) (15) of WRDA 1999

LOCATION: The Bethany Beach to South Bethany Beach project area stretches for approximately 2.8 miles along the northern part of the Atlantic Ocean coast of Delaware in Sussex County, Delaware.

DESCRIPTION: The recommended plan consists of a sand fill beach and dune project, in two independent discontinuous segments, for both Bethany Beach and South Bethany. The plan at each location consists of a 150-foot wide berm at an elevation of +7.0 feet NAVD, and a dune at an elevation of +16.0 feet NAVD. The initial beachfill will be 3.5 million cubic yards, with subsequent nourishment of 480,000 cubic yards every three years. Project length is 14,950 feet.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Construction 1/</u>
Estimated Federal Cost	\$ 92,800,000
Estimated Non-Federal Cost	\$ 49,900,000
Cash	\$ 48,907,000
Other	\$ 993,000
Total Estimated Project Cost	\$142,700,000
Allocation thru FY 2008	\$ 18,022,903
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 969,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete after FY10	\$ 73,808,097
Benefit to Cost Ratio @ 7%	1.6

1/ Amounts include PED costs.

FY 2010 ACTIVITIES: Project monitoring being accomplished with a portion of funds. Balance will be carried over until adequate funds received to complete the 2nd nourishment cycle.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The estimated completion date is 2057. This date is based on 50-years from completion of initial construction since this project is a Flood and Coastal Storm Damage Reduction Project with a 50-year project life.

OTHER INFORMATION: The non-Federal sponsor is the Delaware Department of Natural Resources and Environmental Control.

CONGRESSIONAL INTEREST: Rep. Castle (DE-AL), Sen. Carper (DE) and Sen. Kaufman (DE).

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Delaware Coast, Cape Henlopen to Fenwick Island, Rehoboth Beach and Dewey Beach, Delaware

AUTHORIZATION: Section 307 of WRDA 2000

LOCATION: The project is located on the Atlantic coast of Delaware just north of the Delaware Seashore State Park. The project for the purpose of Hurricane and Storm Damage Protection at Rehoboth Beach and Dewey Beach consists of one continuous project, from the northern end of Rehoboth Beach to the southern border of Dewey Beach, a distance of 13,500 linear feet.

DESCRIPTION: Along Rehoboth Beach, the plan provides for a 125-foot wide berm at elevation +8.0 feet NGVD and a dune at elevation +14.0 feet NGVD. At Dewey Beach, the project would transition to a 150-foot wide berm at elevation +8.0 feet NGVD and a dune at elevation +14.0 feet NGVD. The plan includes dune grass, dune fencing, and suitable advance beachfill and periodic nourishment every three years to ensure the integrity of the design.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Construction</u> 1/
Estimated Federal Cost	\$ 56,500,000
Estimated Non-Federal Cost	\$ 30,400,000
Cash	\$ 27,230,800
Other	\$ 3,169,200
Total Estimated Project Cost	\$ 86,900,000
Allocation thru FY 2008	\$ 14,666,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 969,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete After FY 2010	\$ 40,865,000
Benefit to Cost Ratio @ 7%	1.8

1/ Amounts include PED costs.

FY 2010 ACTIVITIES: A portion of funds are being used for project monitoring. The balance will be carried over until adequate funds are received to complete the 2nd nourishment cycle.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The estimate completion date is 2055. This date is based on 50-years from completion of initial construction since this project is a Flood and Coastal Storm Damage Reduction Project with a 50-year project life.

OTHER INFORMATION: The non-Federal sponsor is the Delaware Department of Natural Resources and Environmental Control.

CONGRESSIONAL INTEREST: Rep. Castle (DE-AL), Sen. Carper (DE) and Sen. Kaufman (DE).

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Delaware Coast Protection, DE

AUTHORIZATION: Flood Control Act of 1968 and the Water Resources Development Act of 1986 (P.L. 99-662)

LOCATION: Sussex County, Delaware, on the Atlantic Ocean at Indian River Inlet.

DESCRIPTION: The plan of improvement consists of constructing a sand bypassing plant and operation of said plant for periodic nourishment of a feeder beach (approximately 100,000 cubic yards of sand, annually) to nourish approximately 3,500 feet of feeder beach on the north side of the inlet and protect the Delaware Route 1 highway. The nourishment consists of reimbursing the State of Delaware for the Federal share of the annual O&M costs of the sand bypass plant. Initial construction was completed in 1990.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction</u> 1/
Estimated Federal Cost	\$11,800,000
Estimated Non-Federal Cost	\$13,800,000
Cash	\$ 441,000
Other	\$13,359,000
Total Estimated Project Cost	\$25,600,000
Allocation thru FY 2008	\$ 7,370,953
Allocation for FY 2009	\$ 373,000
Allocation for FY 2010	\$ 368,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete After FY 2010	\$ 3,688,047
Benefit to Cost Ratio @ 7%	20.3

1/ Amounts include PED costs.

FY 2010 ACTIVITIES: Funds being used for project monitoring and to reimburse the State of Delaware for the Federal share of the annual O&M cost of the sand bypass plant.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The estimated completion date is 2028. This date is based on 50-years from completion of initial construction since this project is a Flood and Coastal Storm Damage Reduction Project with a 50-year project life.

OTHER INFORMATION: The non-Federal sponsor is the Delaware Department of Natural Resources and Environmental Control.

CONGRESSIONAL INTEREST: Rep. Castle (DE-AL), Sen. Carper (DE) & Sen. Kaufman (DE).

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: East Rockaway Inlet to Rockaway Inlet and Jamaica Bay, New York.

AUTHORIZATION: The Flood Control Act of 1965, as amended. Based upon a Reevaluation Report (May 1993), prepared in accordance with Section 156 of WRDA 1976 and Section 934 of WRDA 1986, as amended, extension of periodic nourishment for the 6.2 miles project shoreline was approved for three additional nourishment cycles, with Federal participation scheduled to end in 2004. The report, as per Section 506 WRDA 1996, also recommended that a reformulation of the entire project be undertaken to determine continued federal interest in the project.

LOCATION : The Project is located in Borough of Queens on the South shore of Long Island between East Rockaway Inlet and Rockaway Inlet, approximately 7 miles southeast of the Battery, New York City.

DESCRIPTION: The project provides a 100 foot wide berm at an elevation of +10 feet NGVD, for a distance of 6.2 miles between Beach 149th St. and Beach 19th St. of Rockaway Beach.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$63,900,000
Estimated Non-Federal Cost	\$46,000,000
Total Estimated Cost	\$109,900,000
Allocation thru FY 2008	\$48,299,000
Allocation for FY 2009	\$699,000
Allocation for FY 2010	\$242,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$14,660,000
Benefit to Cost Ratio @ 7%	2.2

FY 2010 ACTIVITIES : FY10 funds are being used to continue the reformulation study for the Rockaway peninsula in a limited scope due to lack of adequate study funds.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project construction completion to be determined, subject to availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representatives Anthony Weiner (NY-9) and Gregory Meeks (NY-6); Senators Charles Schumer (NY) and Gillibrand (NY)

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Great Egg Harbor Inlet to Townsends Inlet, NJ

AUTHORIZATION: Section 1001(30) WRDA 2007

LOCATION: This study is a portion of the New Jersey coastline extending approximately 15 miles from Great Egg Harbor Inlet to Townsends Inlet in Cape May County.

DESCRIPTION: A draft feasibility report was submitted in December 2000 and recommended dune with berm shoreline protection for southern Ocean City and Ludlam Island. Varying periodic nourishment would be required; Ocean City every 3 years and Ludlam Island every 5 years.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Construction 1/</u>
Estimated Federal Cost	\$122,484,000
Estimated Non-Federal Cost	\$108,516,000
Cash	\$108,057,000
Other	\$ 459,000
Total Estimated Project Cost	\$231,000,000

Allocation thru FY 2008	\$ 1,043,292
Allocation for FY 2009	\$ 239,000
Allocation for FY 2010	\$ 1,853,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete After FY10	\$119,348,708
Benefit to Cost Ratio @ 7%	1.6

1/ Amounts include PED costs.

FY 2010 ACTIVITIES: A portion of the funds are being used to prepare, negotiate and execute the Project Partnership Agreement along with initial real estate coordination. The remainder will be carried over until adequate funds are received to initiate initial construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2063 is an estimated completion date based on receipt of initial construction funds. This is based on 50-years from completion of initial construction since this project is a Flood and Coastal Storm Damage Reduction Project with a 50-year project life.

OTHER INFORMATION: The non-Federal sponsor is the NJDEP.

CONGRESSIONAL INTEREST: Rep. LoBiondo (NJ-02), Rep. Frelinghuysen (NJ-11), Sen. Lautenberg (NJ) & Sen. Menendez (NJ)

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Hackensack Meadowlands, New Jersey

AUTHORIZATION: Section 324 of WRDA 1992, as amended.

LOCATION: The Hackensack Meadowlands, located in Bergen and Hudson Counties, New Jersey is an integral part of the New York – New Jersey Harbor estuary.

DESCRIPTION: Approximately 8,450 acres of wetlands and waterbodies that remain in the Meadowlands make this the largest remaining brackish tidal wetland complex in the estuary. These areas are significant for concentrations of federal trust species including waterfowl, wading birds, shorebirds, raptors, anadromous fish, estuarine fish, and terrapins. Much of these areas are degraded due to physical disturbances, such as filling and alterations to natural hydrologic connections, point and non-point pollution, and extensive dominant monocultures.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$20,000,000
Estimated Non-Federal Cost:	\$6,667,000
Total Estimated Study Cost	\$26,667,000
Allocation Through FY 2008	\$4,975,000
Allocation for FY 2009	\$96,000
Allocation for FY 2010	\$230,000
Recovery Act Allocation To Date	0
Balance to Complete After FY 2010	\$14,699,000
Benefit to Cost Ratio Applicable Rate	N/A

FY 2010 ACTIVITIES: The non-federal sponsor has expressed interest in the Corps providing support in evaluating a number of possible environmental restoration and flood control improvement measures located in the Meadowlands District. FY 2010 funds are being used to initiate design to rehabilitate non-functional tide gates in the upper regions of the Berry's Creek.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project completion to be determined, subject to availability of funds.

OTHER INFORMATION: Since the subject authorization does not include federal CW evaluation and approval processes, this item, while for the purposes of environmental restoration, which is an administration priority, is not budgeted. The non-federal sponsor is the New Jersey Meadowlands Commission (formerly the Hackensack Meadowlands Development Commission). A Design Agreement with the NJMC was executed in March 2000 to perform the technical studies. WRDA 2007 amended the prior authorization. Amendments included refinement of study purpose and federal funding limits.

CONGRESSIONAL INTEREST: Congressman Rothman (NJ-9); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ)

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Joseph G. Minish Passaic River Waterfront Park and Historic Area, Newark, NJ.

AUTHORIZATION: Section 101a(18)(B) of the WRDA of 1990 as modified by Section 102(p) of WRDA 1992 and Section 301(b)(10) of WRDA 1996.

LOCATION: The project lies along the west bank of the Passaic River between Bridge and Brill Streets in the City of Newark.

DESCRIPTION: Phase I consists of the construction of 6,000 feet of new bulkhead, and 3,200 feet of restored riverbank and wetlands. Remaining phases of the project include a walkway and park facilities along the river. The non-Federal sponsor is the State of New Jersey Department of Environmental Protection.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$59,100,000
Estimated Non-Federal Cost	\$19,700,000
Total Estimated Cost	\$78,800,000
Allocation thru FY 2008	\$24,685,000
Allocation for FY 2009	\$3,000,000
Allocation for FY 2010	\$2,350,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$29,065,000
Benefit to Cost Ratio @ 7%	2.0

FY 2010 ACTIVITIES: FY10 funds are being used to complete design and Plans & Specifications for (1)Riverbank Stabilization Contract #4B, & (2) Phase I bulkhead construction Contract Area 3.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project construction completion to be determined, subject to availability of funds.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Representatives Donald Payne (NJ-10), Albio Sires (NJ-13) and Steven Rothman (NJ-9); Senators Menendez (NJ) and Lautenberg (NJ)

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

Business Line: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Lackawanna River, Scranton, PA

AUTHORIZATION: Section 101(17) of PL 102-580 (WRDA 1992), as amended by Section 342 of PL 104-303 (WRDA 1996), and the Energy and Water Development Appropriations Act of 1999.

LOCATION: Along the Lackawanna River in the northeastern portion of the Commonwealth of Pennsylvania in Lackawanna County.

DESCRIPTION: The Albright Ave. portion of the project provides for 6,800 feet of earth levee, 700 feet of concrete floodwall, 3 closure structures, interior drainage facilities, 2,700 feet of gabion slope protection, an improved flood warning system, removal of a railroad bridge, access ramps, and associated cultural mitigation. The Green Ridge and Plot portions of the project include 13,750 feet of levee and floodwall, 5 closure structures, and interior drainage facilities.

<u>SUMMARIZED FINANCIAL DATA</u>	FY2010 <u>Construction</u>
Estimated Federal Cost	\$65,924,000 1/
Estimated Non-Federal Cost	\$25,016,000
Cash	\$ 4,140,000
Other	\$20,876,000
Total Estimated Project Cost	\$90,940,000
Allocation thru FY 2008	\$50,793,000
Allocation for FY 2009	\$ 4,576,000
Recovery Allocations to Date	\$ 6,830,000
Allocation for FY 2010	\$ 484,000
Balance to Complete After FY 2010	\$ 3,241,000
Benefit to Cost Ratio at 7% 1.3	
1/ Includes \$1,783,000 Investigations PED funds.	

FY 2010 ACTIVITIES: Funds will be used to initiate and complete portions of the Non-Structural flood risk management work.

EARLIEST ATTAINABLE COMPLETEION FY FOR PHASE: With optimum future year funding this construction project would be complete in FY 2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Specter (PA) and Casey (PA), Representative Kanjorski (PA-11)

DISTRICT: Baltimore

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Orchard Beach, NY.

AUTHORIZATIONS: Section 309(e) of WRDA 1992, Section 554 of WRDA 1996 and Section 3121 of WRDA 2007.

LOCATION: Orchard Beach is located on the north side of Long Island Sound in the Borough of the Bronx, New York, within Pelham Bay Park.

DESCRIPTION: Orchard Beach is an artificial beach constructed by the City of New York. The beach is located along a crescent-shaped strip of land that is about 1,000-feet wide and one-mile long and has groins at the north and south terminal points. Coastal erosion has reduced the size of the existing beach to an extent such that serious overcrowding occurs among the beach users.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>FY 2010 CONSTRUCTION</u>
Estimated Federal Cost	\$10,000,000 ^{1/}
Estimated Non Federal Cost	\$10,000,000
Cash	\$20,000,000
Other	0
Total Estimated Cost	\$20,000,000
Allocation thru FY 2008	\$2,889,000
Allocation for FY 2009	\$3,200,000
Allocation for FY 2010	\$945,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$2,966,000
Benefit to Cost Ratio @ 7%	5.3

^{1/} WRDA 2007 reauthorized this project for increased Federal share from \$5.2M to \$10M, with total cost of \$20M. This now allows full project cost-sharing, including Federal participation in future project nourishments.

FY 2010 ACTIVITIES: FY 10 funds along with prior year funds are being used to execute a PPA with the non-Federal sponsor and initiate a fully funded initial beachfill construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011.

OTHER INFORMATION: Section 309(e) of WRDA 1992 and Section 554 of WRDA 1996 limited the Federal cost to \$5,200,000. Subsequently, Section 3121 of the Water Resources Development Act of 2007 has increased the Federal share from \$5.2M to \$10M, with a total project cost of \$20M. This now allows full project cost-sharing, including Federal participation in future project nourishments.

CONGRESSIONAL INTEREST: Representatives Joseph Crowley (NY-7) and Jose Serrano (NY-16); Senators Charles Schumer (NY) and Kirsten Gillibrand (NY)

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Passaic River Basin Flood Management, NJ

AUTHORIZATION: Section 1148 of WRDA 1986 as amended by Section 333 of WRDA 1996 and Sec 327 of WRDA 2000

LOCATION: The project area is located along the Passaic River in north central New Jersey.

DESCRIPTION: The project area spanning over 9 municipalities are susceptible to recurrent flooding. To mitigate this severe flooding problem, the recommended solution involves the acquisition of approximately 800 frequently flooded homes in the Floodway. The non-Federal sponsor is the State of New Jersey Department of Environmental Protection (NJDEP).

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$145,500,000
Estimated Non-Federal Cost	\$48,500,000
Total Estimated Cost	\$194,000,000
Allocation thru FY 2008	\$1,056,000
Allocation for FY 2009	\$1,000,000
Allocation for FY 2010	\$5,000,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$138,444,000
Benefit to Cost Ratio @ 7% (0.4)	

FY 2010 ACTIVITIES: FY10 funds along with prior year funds are being used to execute a PPA and initiate acquisition of homes in the floodway.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project construction completion to be determined, subject to availability of funds.

OTHER INFORMATION: The Corps completed a study on the Passaic River Floodway Buyout in October 1995. The study found that a widespread Floodway buy-out plan was not economically justified and therefore not in the Federal interest. To the extent that funds are appropriated, buy-outs will be implemented based upon the decision document. A decision document titled Passaic River Floodway Buyout Study Limited Update was completed in August 2005 and is the basis of executing the PPA for the project. The agreement is for acquisition and demolition of 30 homes in Pompton Lake and Hoffman Grove area.

CONGRESSIONAL INTEREST: Representatives William Pascrell, Jr. (NJ-8) and Rodney Frelinghuysen (NJ-11); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Ramapo and Mahwah Rivers, Mahwah, New Jersey and Suffern, New York (Ramapo and Mahwah River Construction Project)

AUTHORIZATION: Section 401 of the Water Resources Development Act of 1986.

LOCATION: The proposed project is located on the Ramapo and Mahwah Rivers in Mahwah, New Jersey and Suffern, New York.

DESCRIPTION: The proposed project consists of channel improvements to 13,000 feet of the Ramapo River, Mahwah River, and Masonicus Brook. Environmental protection measures are included in the project. Conditions since the project was authorized have changed, requiring a General Reevaluation Report.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction (GRR)</u>
Estimated Federal Cost	\$3,799,000
Estimated Non-Federal Cost	\$1,266,000
Total Estimated Cost	\$5,065,000
Allocation thru FY 2008	\$1,664,000
Allocation for FY 2009	\$191,000
Allocation for FY 2010	\$100,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$1,844,000
Benefit to Cost Ratio @ 7%	1.6

FY 2010 ACTIVITIES: FY 2010 funds are being used to update and complete the PMP for the General Reevaluation Report, coordinate and negotiate a Project Partnership Agreement coordinate with the states of New York and New Jersey, and initiate design evaluation tasks.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2014, subject to availability of fund.

OTHER INFORMATION: The project was ready for construction in 1990, but work was never initiated due to the lack of project cooperation agreements with New York and New Jersey. The States are now interested in implementing the project due to severe damage suffered from Tropical Storm Floyd in 1999 and other recent floods. Changes in the project area require that the project be reformulated to meet current conditions. Benefit Cost Ratio (BCR) @ 7% is based on previous report. A new BCR will be calculated upon completion of the General Reevaluation Report

CONGRESSIONAL INTEREST: Rep. Elliot Engel (NY-17), Rodney Frelinghuysen (NJ-11), Scott Garrett (NJ-5); Senators Charles Schumer (NY), Kirsten Gillibrand (NY), Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Raritan Bay and Sandy Hook Bay (Section 506), NJ.

AUTHORIZATION: The Flood Control Act of 1962 authorized a dual purpose Beach Erosion Control and Hurricane Protection project for Raritan Bay and Sandy Hook Bay, NJ. Section 506 (b)(3)(C) of WRDA 1996 authorizes periodic nourishment for 50 years from initiation of construction of each project, subject to a review of the project in accord with Section 934 of WRDA 1986, as amended.

LOCATION: The Raritan Bay and Sandy Hook Bay project area is situated at the southern end of Lower New York Bay between the Raritan River and Sandy Hook in Middlesex and Monmouth counties, New Jersey.

DESCRIPTION: The previously constructed project consists of segmented sections of beach fill, groins, and levees surrounding various communities in Keansburg, East Keansburg and Laurence Harbor. Required report includes re-evaluation of Federal interest in periodic nourishment of these previously completed projects.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Design Phase</u>	<u>Construction</u> ^{1/}
Estimated Federal Cost	\$1,550,000	\$30,000,000
Estimated Non-Federal Cost:	\$350,000	\$15,000,000
Cash	\$350,000	\$15,000,000
Other	0	0
Total Estimated Cost	\$1,900,000	\$45,000,000
Allocation Thru FY 2008	\$859,000	0
Allocation for FY 2009	\$183,000	0
Allocation for FY 2010	\$508,000	\$413,000
Recovery Act Allocation To Date	0	0
Balance to Complete After FY 2010	0	\$29,587,000
Benefit to Cost Ratio @ 7%		1.7

^{1/}Estimate is for work authorized by sec 506 of WRDA 96

FY 2010 ACTIVITIES: Upon approval of the LRR by HQUSACE and a PPA is executed with the State of New Jersey, the FY 2010 funds will be used to initiate the plans and specifications for the next renourishment cycle for this project,

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Design phase completion is to be determined, subject to availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representative Frank Pallone, Jr. (NJ-06); Senators Menendez (NJ) and Lautenberg (NJ)

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Raritan Bay and Sandy Hook Bay, Port Monmouth, New Jersey.

AUTHORIZATION: Section 101 of the Water Resources Development Act of 2000.

LOCATION: The project area is in Middletown Township, Monmouth County, situated between Pews Creek and Comptons Creek.

DESCRIPTION: The selected plan in the June 2000 feasibility report includes about 7,070 feet of levees, 3,585 feet of floodwalls, 2,640 feet of dune (4,640 feet of placement with taper sections), a storm- tide gate, and periodic beach nourishment on a 10-year cycle. The project also includes interior drainage and mitigation features.

SUMMARIZED FINANCIAL DATA:

	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$40,650,000
Estimated Non-Federal Cost:	\$29,550,000
Total Estimated Cost	\$70,200,000
Allocation Thru FY 2008	\$2,268,000
Allocation for FY 2009	\$957,000
Allocation for FY 2010	\$921,000
Recovery Act Allocation To Date	0
Balance to Complete After FY 2010	\$36,504,000
Benefit to Cost Ratio @ 7%	1.1

FY 2010 ACTIVITIES: FY10 funds along with prior year funds are being used to complete the plans and specifications for a fully funded construction contract for the beach fill placement component of the project that will be awarded in FY 11 if sufficient funding is available.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011.

OTHER INFORMATION: This is not a typical shore protection project. The beach fill component and renourishment components are small (12%) when compared to the flood control features of the total project first cost.

CONGRESSIONAL INTEREST: Representative Frank Pallone (NJ-06); Senators Robert Menendez (NJ) and Frank Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Sandy Hook to Barnegat Inlet, NJ

AUTHORIZATION: River and Harbor Act of 1958, as modified by Section 854 of WRDA 1986, Section 4 of WRDA 1988, and Section 102r of WRDA 1992.

LOCATION: The project consists of 21 miles of shoreline from the Township of Sea Bright to the Manasquan Inlet in Monmouth County, New Jersey.

DESCRIPTION: The project provides beach restoration and storm damage protection with the construction of a 100-foot wide beach berm at an elevation of 10 feet above mean low water (MLW). Construction also includes the notching of existing stone groins and outfall pipe extensions. The project requires periodic nourishment of the beaches on a 6 year cycle for a period 50 years from initial construction.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction</u>
Estimated Federal Cost	\$755,700,000
Estimated Non-Federal Cost	\$406,900,000
Cash	\$358,600,000
Other	\$48,300,000
Total Estimated Cost	\$1,162,600,000
Allocation thru FY 2008	\$134,682,000
Allocation for FY 2009	\$957,000
Allocation for FY 2010	\$1,890,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$618,171,000
Benefit to Cost Ratio @ 7%	1.5

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate plans and specification for additional renourishment contracts when sufficient funding is available for fully funded contracts.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project construction completion to be determined, subject to availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Representatives Frank Pallone (NJ-06), Christopher Smith (NJ-04); Senators Frank Lautenberg (NJ) and Robert Menendez (NJ).

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Townsends Inlet to Cape May Inlet, NJ

AUTHORIZATION: Section 101(a)(26) of WRDA 1999

LOCATION: The project is along the southern Atlantic Coast of New Jersey in Cape May County about 23 miles south of Atlantic City, New Jersey.

DESCRIPTION: The recommended plan includes interim shoreline protection projects for Avalon, Stone Harbor and North Wildwood, New Jersey, and an environmental restoration project for Stone Harbor Point, as follows: (1) 4.3 miles of beachfill with a berm width of 150-foot and dune height of +16-feet along with periodic nourishment for Avalon and Stone Harbor; (2) 2.2 miles of seawall construction along Townsends and Hereford Inlets frontages; (3) and ecosystem restoration of about 107 acres of natural barrier island habitat at Stone Harbor Point including beachfill and dune construction with periodic nourishment and the planting of 67 acres of bayberry and red cedar rousting habitat.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction 1/
Estimated Federal Cost	\$159,600,000
Estimated Non-Federal Cost	\$ 87,490,000
Cash	\$ 85,800,000
Other	\$ 1,690,000
Total Estimated Project Cost	\$247,090,000
Allocation thru FY 2008	\$ 57,497,444
Allocation for FY 2009	\$ 1,340,000
Allocation for FY 2010	\$ 1,066,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete After FY 2010	\$ 99,696,556
Benefit to Cost Ratio @ 7%	1.8

1/ Amounts include PED costs.

FY 2010 ACTIVITIES: A portion of funds are being used for project monitoring. The balance will be carried over until adequate funds are received to initiate the 2nd nourishment cycle or complete initial construction (environmental restoration at Stone Harbor Point).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The estimated completion date is 2055. This date is based on 50-years from completion of initial construction since this project is a Flood and Coastal Storm Damage Reduction Project with a 50-year project life.

OTHER INFORMATION: The non-Federal sponsor is the NJDEP.

CONGRESSIONAL INTEREST: Rep. LoBiondo (NJ-02), Rep. Frelinghuysen (NJ-11), Sen. Lautenberg (NJ) & Sen. Menendez (NJ)

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Virginia Beach Hurricane Protection, Virginia Beach, Virginia

AUTHORIZATION: Section 501(a) of WRDA 1 986 as modified by WRDA 1992 and Section 355 of WRDA 1996

LOCATION: On the southeastern Atlantic coast of Virginia.

DESCRIPTION: The project provides hurricane protection and beach erosion control for 6 miles of the ocean front that is a heavily developed commercial district supporting a large tourist industry. Dense residential development exists on the north end of the project area. The project includes a higher and wider beach for the full 6-mile length of the project; 4 miles of concrete seawall extending north of Rudee Inlet to 58th Street; 2 miles of improvements to an existing dune system, augmented with additional sand and erosion control features; 3 miles of reconstructed boardwalk and bike paths; a storm water runoff system consisting of 2 pump stations that discharge off shore through submarine pipelines; beach access ramps, stairs and dune crossover facilities.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$247,000,000
Estimated Non-Federal Cost	\$133,000,000
Cash	\$133,000,000
Other	0
Total Estimated Cost	\$380,000,000
Allocation thru FY 2008	\$96,214,000
Allocation for FY 2009	\$1,340,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	\$727,000
Balance to Complete after FY 2010	\$148,719,000
Benefit to Cost Ratio @ 7%	1.2

FY 2010 ACTIVITIES: FY 10 funds are not sufficient to award a contract for dredging and sand placement to repair and restore the dunes and protective beach berms. Funds will be carried over for possible use in constructing the first restoration of the project since 2001 if sufficient funds become available through FY 11 appropriations.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: The project experienced significant erosion as a result of the November 2009 Northeaster.

CONGRESSIONAL INTEREST: Sens. Warner (VA) and Webb (VA). Rep. Nye (VA-2).

DISTRICT: Norfolk

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Washington, DC & Vicinity.

AUTHORIZATION: Flood Control Acts of 1936 and 1946 and Water Resources Development Act of 1996 (PL 104-303 SEC. 301 (a) (4)). The project was reauthorized in the Water Resources Development Act of 1999 (PL 106-53 Sec 309).

LOCATION: Downtown Washington D.C. in the Potomac Park area between the Lincoln Memorial and Washington Monument and a section of P Street, SW, adjacent to Fort McNair,

DESCRIPTION: The authorized modifications will eliminate the temporary closures at 23rd Street and Constitution Avenue, NW, and 2nd and P Streets, SW. The temporary closure at 17th Street, NW, has been redesigned to improve its reliability and minimize the time required for construction. The authorized modifications will bring the top of the existing levee along the Reflecting Pool between 23rd and 17th Streets to a uniform elevation and increase the level of freeboard protection provided. Three drainage control structures have also been added to prevent backflow through the storm sewer system.

<u>SUMMARIZED FINANCIAL DATA</u>	FY2010 <u>Construction</u>
Estimated Federal Cost	\$ 9,912,000 1/
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$ 9,912,000
Allocation thru FY 2008	\$ 3,122,000 1/
Allocation for FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 850,000
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 5,840,000
Benefit to Cost Ratio @ 7% (3.6)	
1/ Investigation PED costs included.	

FY 2010 ACTIVITIES: Complete final reviews of construction contract plans and required Memorandums of Agreements.

ISSUES AND OTHER INFORMATION: Effort involves a number of jurisdictional entities: Corps, National Park Service, District of Columbia and Ft McNair. The temporary closure at 17th Street is unreliable and does not meet USACE new levee safety criteria and FEMA certification requirements. The District of Columbia is seeking to be reimbursed for their design and construction portions of the 17th Street closure. Their total estimated cost is \$8 M. Delegate Norton concurs and has requested HQUSACE to draft suggested language to allow for reimbursement. The District's costs, combined with the estimated cost to design and construct the USACE authorized project modifications would exceed the 902 limit for the project. Authorization is needed to increase the cost of the project to \$15 M.

CONGRESSIONAL INTEREST: Delegate Eleanor Holmes Norton (DC).

DISTRICT: Baltimore

FACT SHEET
CONSTRUCTION GENERAL
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Wyoming Valley Levee Raising, PA

AUTHORIZATION: Section 401a of WRDA 1986 as amended by WRDA 1988, WRDA 1992, WRDA 1996, and Sections 3142 and 3144 of WRDA 2007.

LOCATION: This flood protection project is located on the Susquehanna River in Northeast Pennsylvania in the vicinity of Wilkes-Barre.

DESCRIPTION: The four Corps of Engineers' flood control projects completed in the 1940s were overtopped by Storm Agnes in 1972. This project is to provide Agnes level protection (estimated 345 year recurrence interval) to the four original projects, now referred to as the Wyoming Valley Levee System. The approximate 15 miles of levees and floodwalls will be raised 3-5 feet and the pump stations, both sanitary and storm water, will be modified to be able to withstand as well as operate during an Agnes level storm. There is also a \$21 million mitigation plan to reduce the project related adverse impacts for 53 downstream communities.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$144,911,000
Estimated Non-Federal Cost	\$ 52,289,000
Cash	\$ 19,556,000
Other	\$ 32,733,000
Total Estimated Cost	\$197,200,000
Allocation thru FY 2008	\$124,963,000
Allocation for FY 2009	\$ 1,187,000
Recovery Allocation to Date	\$ 7,330,000
Allocation for FY 2010	\$ 1,134,000
Balance to Complete after FY 2010	\$ 10,297,000
Benefit to Cost Ratio at 7%	2.7

FY 2010 ACTIVITIES: CG Funds in the amount of \$1,134,000 will be used to complete: the Sunbury levee certification; levee raising in Wilkes-Barre; and mitigation of the Bloomsburg sewage treatment plant. ARRA funds are being used to: complete construction of the catchment basin embankment and spillway at Toby Creek; repair seepage problems along portions of the levee; and to prepare O&M manuals for the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimum funding, construction could be completed in September 2014.

OTHER INFORMATION: Sections 3142 and 3144 of WRDA 2007 added Solomon Creek as project element and include review opportunities for increased public access.

CONGRESSIONAL INTEREST: Senators Specter and Casey (PA), Congressman Kanjorski (PA-11).

DISTRICT: Baltimore

Continuing Authorities Program

FACT SHEET
SECTION 205 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP – Flood and Coastal Storm Damage Reduction

PROJECT/ STUDY NAME: Black Rocks Creek (Blackwater River), Salisbury, Massachusetts

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended.

LOCATION: The Town of Salisbury is located along the Atlantic coastline about 45 miles northeast of Boston, Massachusetts. The area under study includes the eastern shore of the Blackwater River estuary extending from the Massachusetts/New Hampshire border south to Beach Road.

DESCRIPTION: Frequent flooding of several low lying areas prompted local officials to request Federal assistance in reducing flood losses. An evaluation of these areas determined that measures to reduce flooding would be economically justified at one location. This area extends from 9th Street to Florence Avenue, and contains about 135 residential structures. The proposed project involves the construction of about 2,765 feet of floodwall with an average height of 2-3 feet. Most sections of the wall would have a landside berm. Also included are two pumping stations to discharge interior run-off.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	175,000 ^{1/}	1,417,000
Estimated Non-Federal Cost	75,000	763,000
Cash	(75,000)	(763,000)
Other	(0)	(0)
Total Estimated Project Cost	250,000	2,180,000
Allocation thru FY 2008	175,000	51,000
Allocation for FY 2009	0	40,000
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	72,000
Balance to Complete After FY 2010	0	1,254,000
Benefit to Cost Ratio @ 7%	N/A	7.0

^{1/} Feasibility is cost shared 50/50. The initial \$100,000 is 100% Federally funded.

FY 2010 ACTIVITIES: FY 2010 funds are being used to complete design including preparation of project plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY 2011.

OTHER INFORMATION: The Feasibility Cost Sharing Agreement was executed with the Commonwealth of Massachusetts, Department of Environmental Management on 4 January 1999. The Project Partnership Agreement was signed on 21 May 2009 with the Commonwealth of Massachusetts, Department of Conservation and Recreation.

CONGRESSIONAL INTEREST: Senators Kirk (MA) and Kerry (MA), and Representative Tierney (MA-6)

DISTRICT: New England

FACT SHEET
SECTION 103 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP – Flood and Coastal Storm Damage Reduction

PROJECT/ STUDY NAME: Coastal Areas, Marshfield, Massachusetts

AUTHORIZATION: Section 103 of the River and Harbor Act of 1962, as amended.

LOCATION The Town of Marshfield is located in southeastern Massachusetts along the shore of Massachusetts Bay, about 20 miles southeast of Boston.

DESCRIPTION: The coastal areas in Marshfield are subject to storm and flood damages. The beachfront has sand and cobble berms backed by revetments and sea walls. Overtopping of the seawalls has resulted in backshore flooding of commercial and residential properties. Storm tide gates across the end of adjacent Green Harbor protect the area from flanking during storm surges, but can also prevent the evacuation of storm drainage from flooded areas. Beach restoration, a pumping station and nonstructural measures are among the preliminary alternatives being considered.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	225,000 ^{1/}	2,730,000
Estimated Non-Federal Cost	125,000	1,470,000
Cash	(115,000)	(1,470,000)
Other	(10,000)	(0)
Total Estimated Project Cost	350,000	4,200,000
Allocation thru FY 2008	160,000	0
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	0
Balance to Complete After FY 2010	65,000	2,730,000
Benefit to Cost Ratio @ 7%	N/A	1.8

^{1/} Feasibility is cost shared 50/50. The initial \$100,000 is 100% Federally funded.

FY 2010 ACTIVITIES: Approval to execute the Feasibility Cost Sharing Agreement (FCSA) was provided by CENAD on 24 March 2009. Funding constraints have delayed signing of the FCSA by the Town of Marshfield; however, they are looking to secure their share of the study funds through the town budget process next spring and plan to sign the agreement in June 2010. Upon execution of the FCSA, planned FY 2009 carryover funds of \$60,000 will be used to continue the feasibility study including plan formulation and evaluation of alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility study in FY 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Kirk (MA) & Kerry (MA), and Representative Delahunt (MA-10)

DISTRICT: New England

FACT SHEET
SECTION 205 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Hamilton Township, NJ

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended.

LOCATION: The study area is the section of Hamilton Township along Assunpink Boulevard, Sweet Briar Avenue, Rutgers Avenue and Carnegie Avenue on the left bank of the Assunpink Creek between Interstate 295 and the City of Trenton.

DESCRIPTION: The area has experienced frequent flooding problems and environmental degradation. Carrying capacity of the stream channel has been reduced by the accumulation of silt, trash, and debris and from flood waters from Miry Run and backwater from the City of Trenton. Some combination of flood plain reconnection, stream restoration, wetland creation, impervious cover removal, flood proofing and flood plain management may be the most likely alternative given the highly urbanized setting of the area.

<u>SUMMARIZED FINANCIAL DATA</u> :	FY2010
	<u>Feasibility</u>
Estimated Federal Cost	\$300,000
Estimated Non-Federal Cost	\$200,000
Total Estimated Project Cost	\$500,000
Allocation thru FY08	\$100,000
Allocation for FY09	\$ 0
Allocation for FY2010	\$200,000 1/
Recovery Act Allocation to Date	\$ 0
Balance to Complete After FY2010	\$ 0
Benefit to Cost Ratio @ 7%	\$ TBD

1/ Funds are pending until a Feasibility Cost Share Agreement is executed.

FY2010 ACTIVITIES: Prepare scope of work for feasibility study efforts and coordinate SOW and draft Feasibility Cost Share Agreement (FCSA) with non-Federal sponsor with prior year funds. Funds will be used to complete the FCSA with the non-Federal sponsor and complete the Feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility study in FY2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Rep. Smith (NJ-04) and Senators Menendez and Lautenberg (NJ).

DISTRICT: Philadelphia

FACT SHEET
SECTION 205 – CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Jamestown Island, James City County, Virginia

AUTHORIZATION: Section 205, Flood Control Act of 1948 (P.L. 80-858), as amended

LOCATION: On the James River 45 miles southeast of Richmond, Virginia.

DESCRIPTION: The existing seawall is on the southern edge of Jamestown Island and was constructed by the Corps between 1894 and 1901 under the authority of the River and Harbor Acts of 1894 and 1896, to protect this historic area. A final feasibility report outlining flood proofing measures at the historic Dale House was completed in FY 2005 and approved as a negative report by the Corps North Atlantic Division office on February 18, 2005.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Design & Implementation</u>
Estimated Federal Cost	1,095,000
Estimated Non-Federal Cost	590,000
Cash	590,000
Other	0
Total Estimated Cost	1,685,000
Allocation thru FY 2008	0
Allocation for FY 2009	50,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	1,045,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Develop, negotiate, and execute a Project Partnership Agreement with the non-Federal Sponsor and construct the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2012

OTHER INFORMATION: The project design was put on hold during calendar year 2007 to avoid any impacts to the use of the Dale House during the 400-Year Anniversary Celebration of the founding of Jamestown Island. With the current availability of Federal funding, the sponsor supports moving forward with the design and construction of the flood proofing project.

CONGRESSIONAL INTEREST: Senators Warner and Webb (VA). Representative Wittman (VA-1).

DISTRICT: Norfolk

FACT SHEET
SECTION 205 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Little Mill Creek, New Castle County, DE

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended.

LOCATION: The project area is located along Little Mill Creek, a tributary of the Christina River within the Town of Elsmere and portions of New Castle County, Delaware.

DESCRIPTION: The project area is divided into upper and lower reaches. Construction of the upper reach was completed in FY08. The lower reach portion of the project is approximately 6,225 feet in length, extending from the downstream face of the Amtrak Railroad bridge to a point about 130 feet upstream from the upstream face of the Delaware Route 4 (Maryland Avenue) bridge. Work on the lower reach will consist of dredging, deepening and widening the existing channel thereby increasing flow capacity and reducing flood damages. The channel will be deepened by approximately 3 feet and widened to a bottom width of 40 feet for a total length of 4,025 feet. The dredging portion, which extends from the downstream face of the Conrail Railroad bridge to the downstream face of the Amtrak Railroad bridge, is approximately 2,200 feet in length.

SUMMARIZED FINANCIAL DATA

	FY2010
	<u>Design & Implementation</u>
Estimated Federal Cost	\$6,282,000
Estimated Non-Federal Cost	\$2,919,000
Total Estimated Project Cost	\$9,201,000
Allocation thru FY08	\$2,707,000
Allocation for FY09	\$0
Allocation for FY2010	\$3,575,000
Recovery Act Allocation to Date	\$0
Balance to Complete After FY2010	\$0
Benefit to Cost Ratio @ 7%	1.2

FY2010 ACTIVITIES: Funds (\$200,000) will be used to complete design and (\$3,375,000) used to award the construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction will be completed by FY2011.

OTHER INFORMATION: The project for the upper portion has been completed, and has used almost half of the \$7M Federal Limit allowed for individual CAP Section 205 projects. The non-Federal sponsor is the Delaware Department of Natural Resources and Environmental Control (DNREC) and New Castle County Conservation District.

CONGRESSIONAL INTEREST: Rep Castle (DE-AL) and Senators Kaufman and Carper (DE)

DISTRICT: Philadelphia

FACT SHEET
SECTION 14 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Manasquan River, Howell Township, Monmouth County, NJ

AUTHORIZATION: Section 14 of the Flood Control Act of 1946, as amended (streambank and shoreline erosion protection).

LOCATION: The project area is located at Bergerville Road along the Manasquan River in Howell Township, Monmouth County, New Jersey.

DESCRIPTION: The proposed plan consists of a retaining wall along the right bank of the Manasquan River parallel to Bergerville Road (aka Casino Drive) for a distance of approximately 600 feet. The wall will be constructed of 6 foot deep by 8-inch high confined cellular (CCS) grids stacked to a height of 11 feet. Toe protection to prevent undermining of the CCS retaining wall will be provided by an 18 inch deep by 20 foot wide leveling material and a CCS scour apron placed perpendicular to the wall.

SUMMARIZED FINANCIAL DATA:

	FY2010 <u>Design and Implementation</u>
Estimated Federal Cost	\$1,500,000
Estimated Non-Federal Cost	\$ 808,000
Total Estimated Cost	\$2,308,000
Allocation thru FY08	\$1,000,000
Allocation for FY09	\$ 0
Allocation for FY2010	\$ 500,000 1/
Recovery Act Allocation to Date	\$ 0
Balance to Complete After FY2010	\$ 0
Benefit to Cost Ratio @ 7%	\$ N/A

1/ Funds are pending until a Project Partnership Agreement is executed.

FY2010 ACTIVITIES: FY 10 funds are pending an executed Project Partnership Agreement with prior year carry-in funds. Finalize plans and specs, obtain environmental permits and award construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction will be completed by FY2011.

OTHER INFORMATION: NJDEP flood hazard area and freshwater wetlands permits are needed to obtain a water quality certificate and execute the Project Partnership Agreement.

CONGRESSIONAL INTEREST: Rep. Smith (NJ-4) and Senators Menendez and Lautenberg (NJ)

DISTRICT: Philadelphia

FACT SHEET
SECTION 205 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP – Flood and Coastal Storm Damage Reduction

PROJECT/ STUDY NAME: North River, Peabody, Massachusetts

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended.

LOCATION The Town of Peabody is located in eastern Massachusetts, about 12 miles north of Boston, Massachusetts.

DESCRIPTION: The North River flows through the downtown area of Peabody, which is subject to periodic flooding. Camp Dresser and McKee completed a hydraulics and hydrology report for the Town of Peabody in April 2003. The report, entitled “Peabody Square Flood Control Study”, identified mitigation measures and drainage improvements to reduce flooding in downtown Peabody. Recommendations included drainage improvements along Goldwaite and Strongwater Brooks, and along the North River between Wallis and Grove Streets. In August 2004, the Corps initiated a feasibility study of flooding conditions in Peabody. A Feasibility Cost Sharing Agreement (FCSA) was signed with the City of Peabody on 31 July 2008.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	250,000 ^{1/}	4,875,000
Estimated Non-Federal Cost	150,000	2,825,000
Cash	(150,000)	(2,825,000)
Other	(0)	(0)
Total Estimated Project Cost	400,000	7,700,000
Allocation thru FY 2008	156,000	0
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	94,000	0
Balance to Complete After FY 2010	0	4,875,000
Benefit to Cost Ratio @ 7%	N/A	1.8

^{1/} Feasibility is cost shared 50/50. The initial \$100,000 is 100% Federally funded.

FY 2010 ACTIVITIES: FY 2010 funds of \$94,000 are being used to substantially complete the feasibility study including plan formulation and evaluation, and preparation of the final Feasibility Report and Environmental Assessment.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility study in FY 2011.

OTHER INFORMATION: Corps efforts are limited to the 1,100 feet of North River extending from about 500 feet upstream of Howley Street to 600 feet downstream of Grove Street, which was determined by Camp Dresser and McKee to meet the minimum flow requirement of 800 cubic feet per second for a ten-year frequency flood. Flood control improvements along Goldwaite and Strongwater Brooks, and the North River upstream of Howley Street do not meet the minimum flow requirement and are a local responsibility.

CONGRESSIONAL INTEREST: Senators Kirk (MA) and Kerry (MA), and Representative Tierney (MA-6)

DISTRICT: New England

FACT SHEET
SECTION 205 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Pennsville, Salem County, NJ

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended

LOCATION: Pennsville Township, along Salem Creek in low-lying areas within the township.

DESCRIPTION: The project area has experienced flooding problems associated with a confined dredged material placement facility located in Pennsville Township, as well as tidal flooding along Salem Creek in low-lying areas within the township. Township has requested assistance to mitigate their flooding problems.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY2010
	<u>Feasibility</u>
Estimated Federal Cost	\$300,000
Estimated Non-Federal Cost	\$200,000
Cash	\$ 0
Other	\$ 0
Total Estimated Project Cost	\$500,000
Allocation thru FY08	\$100,000
Allocation for FY09	\$ 0
Allocation for FY2010	\$200,000 1/
Recovery Act Allocation to Date	\$ 0
Balance to Complete After FY2010	\$ 0
Benefit to Cost Ratio @ 7%	\$ TBD

1/ Funds are pending until a Feasibility Cost Share Agreement is executed.

FY2010 ACTIVITIES: Coordinate draft Project Management Plan (PMP) and Feasibility Cost Share Agreement (FCSA) with non-Federal sponsor using prior year carry-in funds. Funds (\$200,000) could be used to execute the FCSA with the non-Federal sponsor and complete the Feasibility phase.

EARLIEST ATTAINABLE COMPLETION FOR PHASE: Feasibility phase will be completed by FY2011.

OTHER INFORMATION: The proposed sponsors are Pennsville Township, NJ and/or the New Jersey Department of Environmental Protection, Division of Fish and Wildlife.

CONGRESSIONAL INTEREST: Rep. LoBiondo (NJ-2) and Senators Lautenberg and Menendez (NJ).

DISTRICT: Philadelphia

FACT SHEET
SECTION 205 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Pennsylvania Avenue Improvement, Bethany Beach, DE

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended.

LOCATION: Project area is along Pennsylvania Avenue, Bethany Beach, DE.

DESCRIPTION: This is a heavily developed portion of the Delaware coast. The study area sustains frequent flood damages each year. Damages include both residential and commercial damages and have been previously evaluated by an engineering firm for the local community.

SUMMARIZED FINANCIAL DATA:

	FY2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$1,700,000
Estimated Non-Federal Cost	\$ 916,000
Total Estimated Cost	\$2,616,000
Allocation thru FY08	\$ 0
Allocation for FY09	\$ 0
Allocation for FY2010	\$ 50,000
Recovery Act Allocation to Date	\$ 0
Balance to Complete After FY2010	\$1,650,000
Benefit to Cost Ratio @ 7%	\$ TBD

FY2010 Activities: Complete feasibility study with prior year funds. Funds of (\$50,000) will be used to coordinate the draft Project Partnership Agreement with the non-Federal sponsor and initiate and complete design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Design could be completed by FY2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Rep. Castle (AL) and Senators Kaufman and Carper

DISTRICT: Philadelphia

FACT SHEET
SECTION 205 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Philadelphia Shipyard Flood Damage Reduction, Philadelphia, PA

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended.

LOCATION: The project area is located in the City of Philadelphia, PA, near the confluence of the Schuylkill River and the Delaware River, within the Philadelphia Naval Shipyard.

DESCRIPTION: The sea wall extends approximately 6,700 feet along the Delaware River. Most portions of the wall and its supporting pilings are more than 100 years old. Severe deterioration of the wall is causing flood damages and is limiting future redevelopment opportunities for the area. The sponsor desires that flood damage reduction alternatives be evaluated for this area. The seawall is listed on the National Register of Historic Places.

SUMMARIZED FINANCIAL DATA:

	FY2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$ 6,500,000
Estimated Non-Federal Cost	\$ 3,500,000
Total Estimated Project Cost	\$10,000,000
Allocation thru FY08	\$ 0
Allocation for FY09	\$ 50,000
Allocation for FY2010	\$ 6,450,000 1/
Recovery Act Allocation to Date	\$ 0
Balance to Complete After FY2010	\$ 0
Benefit to Cost Ratio @ 7%	5.1

1/ Funds are pending until a Project Partnership Agreement is executed.

FY2010 ACTIVITIES: FY10 funds are pending an executed Project Partnership Agreement with prior year carry-in funds. Funds will be used to initiate and complete design and award a construction contract (\$6,450,000).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction will be completed in FY2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Rep. Brady (PA-1) and Senators Specter and Casey (PA)

DISTRICT: Philadelphia

FACT SHEET
SECTION 103 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP – Flood and Coastal Storm Damage Reduction

PROJECT/ STUDY NAME: Prospect Beach, West Haven, Connecticut

AUTHORIZATION: Section 103 of the River and Harbor Act of 1962.

LOCATION Prospect Beach is located on the south-central coast of Connecticut in the City of West Haven. The beach extends about 6,000 feet along the north shore of Long Island Sound from the western end of Sea Bluff Beach to Oyster River Point.

DESCRIPTION: Project consisted of beach widening by direct placement of suitable sand fill along 4,300 feet of shore front between Ivy Street and the groin structure just south of Tyler Avenue to form a 50-foot wide level beach berm, and periodic beach nourishment over the 50-year economic life of the project. Initial sand fill was completed in May 1994. No cost-shared periodic beach nourishment has been performed to date. In response to various storm events the City of West Haven placed 8,000 cubic yards (CY) of sand on the beach in 1997, 2,700 CY in 2003, and 4,700 CY in 2006. The Tyler-Lake reach was rehabilitated with 4,700 CY of sand under the Corp's Rehabilitation Assistance Program (PL 84-99) in 2007. Prospect Beach has eroded in some sections to the extent that erosion is now threatening backshore roads and utilities.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>D&I</u>	<u>Nourishment</u>
Estimated Federal Cost	190,000	1,576,000	234,000
Estimated Non-Federal Cost	0	848,000	126,000
Cash	(0)	(848,000)	(126,000)
Other	(0)	(0)	(0)
Total Estimated Cost	190,000	2,424,000	360,000
Allocation thru FY 2008	190,000	1,576,000	0
Allocation for FY 2009	0	0	0
Recovery Act Allocations to Date	0	0	0
Allocation for FY 2010	0	0	0
Balance to Complete After FY10	0	0	234,000
Benefit to Cost Ratio @ 7%	N/A	N/A	N/A

FY 2010 ACTIVITIES: Currently no activities are planned. FY 2010 funds of \$130,000 could be used to survey the beach and confirm nourishment is warranted, and to prepare plans and specifications for periodic beach nourishment. Beach nourishment is cost shared at the same ratio as initial construction, 65% Federal and 35% non-Federal; however, remaining funds within the \$2 million Federal statutory limit under Section 103 Authority are not sufficient to perform periodic beach nourishment.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete beach nourishment in FY 2043.

OTHER INFORMATION: The City of West Haven is responsible for operation and maintenance of the project in accordance with the O&M Manual provided the city on 23 August 1995. This involves reshaping the beach after storm events, preserving vegetation and preventing erosion from local drainage. When conditions exist where part of the berm has been reduced to less than 25 feet in width or more than 12,000 CY of sand has been lost, periodic nourishment may be warranted. Estimate for periodic nourishment over the 50-year economic life of the project is based on the \$2 million Federal statutory limit under Section 103 Authority.

CONGRESSIONAL INTEREST: Senators Lieberman (CT) & Dodd (CT), Representative DeLauro (CT-3)

DISTRICT: New England

FACT SHEET
SECTION 103 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies are Projects

BUSINESS LINE: CAP - Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Seaside Park, Ocean County, NJ

AUTHORIZATION: Section 103 of the River and Harbor Act of 1962 (PL 87-874), as amended.

LOCATION: The study area is located on the backbay (west) side of Seaside Park, NJ, south of the State Route 37 bridge from the mainland.

DESCRIPTION: The study area is subject to erosion of the bayside beaches, which contributes to the larger problem of tidal flooding of streets and residences. The area was investigated in 1995 as a Section 103 CAP project, with a recommendation to proceed to a feasibility study. The feasibility study however was not initiated due to lack of sponsor interest at the time.

SUMMARIZED FINANCIAL DATA:

	FY2010 <u>Feasibility</u>
Estimated Federal Cost	\$300,000
Estimated Non-Federal Cost	\$200,000
Total Estimated Project Cost	\$500,000
Allocation thru FY08	\$ 69,700
Allocation for FY09	\$ 31,000
Allocation for FY2010	\$100,000 1/
Recovery Act Allocation to Date	\$ 0
Balance to Complete After FY2010	\$100,000
Benefit to Cost Ratio @ 7%	\$ N/A

1/ Funds are pending until a Feasibility Cost Share Agreement is executed.

FY2010 ACTIVITIES: FY10 funds are pending an executed Feasibility Cost Share Agreement with prior year carry-in funds. Pending funds (\$100,000) will be used to continue the Feasibility study. Funds will be used to negotiate and execute a Feasibility Cost Share Agreement with the non-Federal sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Study will be completed in FY2011 subject to availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Rep. Adler (NJ-3) and Senators Menendez and Lautenberg (NJ)

DISTRICT: Philadelphia

Navigation

Investigations

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Boston Harbor, Massachusetts

AUTHORIZATION: Senate Committee on Public Works Resolution dated September 11, 1969.

LOCATION: The Port of Boston, Massachusetts, is located on the western shore of Massachusetts Bay, an arm of the Gulf of Maine.

DESCRIPTION: The Port of Boston is the largest port in New England, serving the nation's eleventh largest metropolitan area and a regional population of 14.3 million residents in the six states. The Port's terminals handled over 22 million tons of liquid and dry bulk, containerized, and general cargo in 2007. The main deep water harbor is comprised of the waterways of the Main Ship Channel, Reserved Channel, Mystic River and Chelsea River. HQUSACE approved the 905(b) Reconnaissance Report was approved in August 2000. The Corps and Massport executed the Feasibility Cost-Sharing Agreement (FCSA) for this project on 27 June 2002. The feasibility study was initiated in July 2002. Draft economic evaluation indicates a benefit cost ratio of about 1.7 to 1 for deep draft channel improvements.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Recon</u>	<u>Feasibility</u>	<u>Design</u>	<u>Construction</u>
Estimated Federal Cost	84,000	3,750,000	1/ 3,750,000	204,000,000
Estimated Non-Federal Cost	0	2,700,000	1,250,000	99,000,000
Cash	(0)	(2,385,000)	(1,250,000)	(99,000,000)
Other	(0)	(315,000)	(0)	(0)
Total Estimated Project Cost	84,000	6,450,000	5,000,000	303,000,000
Allocation thru FY 2008	84,000	2,630,000	0	0
Allocation for FY 2009	0	815,000	0	0
Recovery Act Allocations to Date	0	0	0	0
Allocation for FY 2010	0	0	426,000	0
Balance to Complete After FY 2010	0	305,000	3,324,000	204,000,000
Benefit to Cost Ratio @ 7%	N/A	1.7	1.7	1.7

1/ Includes \$200,000 of External Peer Review costs which are at 100% Federal cost in accordance with WRDA 2007, and \$850,000 of "excessive study costs" which are initially funded at 100% Federal cost, of which the sponsor will pay 50% back during project construction.

FY 2010 ACTIVITIES: Available funds are being used to update project economics in response to Board comments. The revised Feasibility Report will be forwarded to HQ for approval in August 2010. FY 2010 design funds of \$305,000 will be reallocated to the feasibility phase and the remaining \$121,000 will be carried over into FY 2011.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility in FY 2011, design in FY 2014 and construction in FY 2018.

OTHER INFORMATION: The Feasibility Report was presented to the Civil Works Review Board in August 2008. The Board requested additional economic analysis of water and land side benefits.

CONGRESSIONAL INTEREST: Senators Kirk (MA) and Kerry (MA), and Representatives Capuano (MA-8), Lynch (MA-9) and Delahunt (MA-10)

DISTRICT: New England

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Delaware River Dredged Material Utilization, PA, DE & NJ

AUTHORIZATION: Senate Resolution on Beneficial Use of Dredged Material on the Delaware River, Delaware, New Jersey, and Pennsylvania dated 26 October 2005.

LOCATION: The study area includes the Delaware River and its tributaries and Bay that encompass the States of New Jersey, Delaware, and Pennsylvania.

DESCRIPTION: The study will investigate beneficial uses of dredged material including transfer and transport facilities, regional sediment management, ecosystem restoration, restoration of mined areas, and landfill cover.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010		
	<u>Reconnaissance</u>	<u>Feasibility</u>	
Estimated Federal Cost: \$200,0	00	\$2,000,0	00
Estimated Non-Federal Cost: 0		\$2,000,0	00
Cash (0)			(2,000,000)
Other	(0)		(0)
Total Estimated Cost: \$200,0	00	\$4,000,0	00
Allocation thru FY08:	0	\$	0
Allocation for FY09:	\$119,000	\$	0
Allocation for FY 2010	\$ 81,000	\$	9,000
Recovery Act Allocations to Date	\$ 0	\$	0
Balance to Complete After FY10:	\$ 0	\$1,991,000	
Benefit to Cost ration Applicable rate (%)			N/A

FY2010 ACTIVITIES: The FY 2010 funds are being used to complete the reconnaissance phase of the study at full Federal expense, including preparation of a Section 905 (b) analysis.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2010

OTHER INFORMATION: The study will be coordinated closely with ongoing efforts that are being undertaken by New Jersey, Delaware and the Commonwealth of Pennsylvania in using dredged material to protect and restore threatened and critical environmental resources, as well as the potential to alleviate acid mine drainage concerns.

CONGRESSIONAL INTEREST: Senators Specter, Casey, Lautenberg, Menendez, Biden and Carper. Representatives Castle (DE-AL), Andrews (NJ-1), LoBiondo (NJ-2), Saxton (NJ-3), Smith (NJ-4), Ferguson (NJ-7), Frelinghuysen (NJ-11), Holt (NJ-12), Brady (PA-1), Fattah (PA-2), Gerlach (PA-6), Sestak (PA-7), Murphy (PA-8), Carney (PA-10), Kanjorski (PA-11), Schwartz (PA-13), Dent (PA-15), Pitts (PA-16), Holden (PA-17).

DISTRICT: Philadelphia District

Construction

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME: Burlington Harbor Oil Bollard Removal, VT

AUTHORIZATION: General Provisions, Section 108 of the FY2004 Energy and Water Appropriations Act states "The Secretary is authorized to remove and dispose of oil bollards and associated debris in Burlington Harbor, Vermont."

LOCATION: The proposed project is located on the Burlington Harbor, VT.

DESCRIPTION: Eight bollards (gravel filled steel sheetpile cells and timber pile clusters) are located in Burlington Harbor, Vermont that were formerly used in support of operations for loading and unloading petroleum products. Removal of these bollards will eliminate a potential obstruction to navigation caused by continued deterioration of these obsolete structures.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$1,500,000
Estimated Non-Federal Cost	0
Total Estimated Cost	\$1,500,000
Allocation thru FY 2008	\$492,000
Allocation for FY 2009	\$478,000
Allocation for FY 2010	\$460,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$70,000
Benefit to Cost Ratio @ 7%	N/A

FY2010 ACTIVITIES : FY 2010 fund are being used to complete a design document, execute a PPA and initiate project implementation activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project construction is estimated to be completed in FY2011 if adequate funding is available.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Sen. Patrick Leahy, VT, Sen. Bernard Sanders, VT, Rep. Peter Welch, VT-1

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME AND STATE: Delaware River Main Stem and Channel Deepening, DE, NJ & PA

AUTHORIZATION: Section 101 (6) of WRDA 1992, as amended by Section 308 of WRDA 1999 and Section 306 of WRDA 2000.

LOCATION: The project area is located within the Delaware Estuary and borders Pennsylvania, New Jersey and Delaware. It extends over 100 miles of the Delaware River from Philadelphia Harbor, Pa. and Beckett Street Terminal in Camden, NJ to the mouth of the Delaware Bay.

DESCRIPTION: The recommended plan of improvement calls for deepening the existing Delaware River Federal Navigation Channel from 40 to 45 feet from Philadelphia Harbor, Pa., and Beckett Street Terminal, Camden, N.J., to the mouth of the Delaware Bay, appropriate bend widening, and partial deepening of the Marcus Hook anchorage and relocation of and addition of aids to navigation. Dredged material would be placed in confined upland disposal areas and for beneficial uses in Delaware Bay.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction 1/</u>
Estimated Federal Cost	\$261,200,000
Estimated Non-Federal Cost	\$ 86,900,000
Cash	\$ 71,223,000
Other	\$ 15,677,000
Total Estimated Project Cost	\$348,100,000
Allocation thru FY 2008	\$ 24,040,000
Allocation for FY 2009	\$ 3,828,000
Allocation for FY 2010	\$ 4,844,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete After FY 2010	\$228,488,000
Benefit to Cost Ratio @ 7%	1.03

1/ Amounts include PED costs.

FY 2010 ACTIVITIES: The utilization of FY 10 funds is dependent on the outcome of on-going litigation regarding the State of Delaware's petition for a preliminary and permanent injunction enjoining the Corps "from undertaking any activity in furtherance of the Deepening project." If the petition is denied the Corps will use pre-FY 10 and non-Federal funds to initiate construction with the deepening of reach "C". A portion of the FY 10 funds (\$750,000) would be used on all aspects of the project except construction activities in the State of Delaware. The sea activities include but are not limited to project management tasks (\$250,000), environmental activities (\$400,000), and preparation of plans and specifications for construction contracts (\$100,000). If the petition is granted pre-FY 10 funds (\$950,000) will be used on FY 10 tasks and the FY 10 funds will be carried over and utilized on future project activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Due to budget constraints and uncertainty of funding completion date is unknown.

OTHER INFORMATION: Project is economically feasible. An Environmental Assessment was completed in March 2009. The non-Federal sponsor is the Philadelphia Regional Port Authority (PRPA). A PPA was executed on 23 June 2008.

CONGRESSIONAL INTEREST: Sen. Specter (PA) & Sen. Casey (PA), Sen Lautenberg (NJ)

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: James River, Deepwater Turning Basin, Virginia

AUTHORIZATION: River and Harbor Act of 1962

LOCATION: At the Richmond Deepwater Terminal, City of Richmond, Virginia.

DESCRIPTION: The project consists of a 25 foot deep and up to 500-foot wide and 2,770 foot long turning basin adjacent to the Richmond Deepwater Terminal. The terminal handles bulk, breakbulk, and container cargo. The turning basin is authorized up to a depth of 35 feet and width of 825 feet. Larger ships frequently experience problems when maneuvering within the turning basin, creating a need to expand the width of the basin. When a ship now arrives at the terminal and makes its turn to prepare for docking, contact is sometimes made with the opposite river bank. In order to complete the turn, the ship is then forced to back up and to swing around at a distance of only about 25 feet from the wharf. The turning basin is also used by oil barges and large bulk ships which call on other down stream ports. These vessels must travel to the turning basin to accomplish the turn necessary to make the return trip down the James. There is concern of a serious accident that would cause damage to vessels or the wharf.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$4,690,000
Estimated Non-Federal Cost	\$1,295,000
Cash	\$1,295,000
Other	0
Total Estimated Cost	\$5,985,000
Allocation thru FY 2008	\$1,690,000
Allocation for FY 2009	\$766,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	\$2,234,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES : Award a contract for dredging the expanded turning basin and complete construction of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: Project is justified based on Safety requirements as opposed to traditional NED benefits.

CONGRESSIONAL INTEREST: Senators Warner (VA) and Webb (VA);
Representatives Scott (VA-3) and Cantor (VA-7).

DISTRICT: Norfolk

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Norfolk Harbor and Channels (Deepening), Virginia

AUTHORIZATION: Supplemental Appropriations Act of 1985 and Section 201(a) of WRDA 1986

LOCATION: In Hampton Roads and the Elizabeth River, Virginia.

DESCRIPTION: The authorized project includes deepening the channels serving Hampton Roads, deepening the Elizabeth River channel and constructing new anchorage and turning basins. Portions of the project completed to date are deepening the channels to depths of 50 feet and constructing a new anchorage with a depth of 50 feet. The next scheduled phases of work underway are updating of a navigation management plan for the Port of Hampton Roads, and conducting a reconnaissance-like study of deepening the Elizabeth River channel to depths of 45 and 40 feet.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$126,038,000
Estimated Non-Federal Cost	\$132,321,000
Cash	\$132,321,000
Other	0
Total Estimated Cost	\$258,359,000
Allocation thru FY 2008	\$30,297,000
Allocation for FY 2009	\$478,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	\$460,000
Balance to Complete after FY 2010	\$94,803,000
Benefit to Cost Ratio @ 7%	1.7

FY 2010 ACTIVITIES: Initiate the update of the Navigation Management Plan and continue the reconnaissance-like study of the Elizabeth River 45-ft. and Southern Branch 40-ft. channels.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Senators Warner (VA) and Webb (VA). Representatives Wittman (VA-1), Nye (VA-2), Scott (VA-3), Forbes (VA-4), Perriello (VA-5), Goodlatte (VA-6), Cantor (VA-7), Moran (VA-8), Boucher (VA-9), Wolf (VA-10) and Connolly (VA-11).

DISTRICT: Norfolk

Continuing Authorities Program

FACT SHEET
SECTION 107 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Bass Harbor, Tremont, Maine

AUTHORIZATION: Section 107 of the Rivers and Harbors Act of 1960, as amended.

LOCATION: Bass Harbor is located in the Town of Tremont, Maine on the southwestern shore of Mount Desert Island.

DESCRIPTION: The existing Federal navigation project was completed in 1964 and provides for three anchorage areas for the local and transient fishing and recreational fleet. The harbor supports a fleet of more than 90 commercial fishing and lobstering craft, a state ferry terminal serving island communities, and a fleet of service vessels supporting near shore aquaculture operations (fish farms). Since the existing project was completed, the fishing fleet has increased in size and requires channel and anchorage improvements to support continued safe navigation and efficient operation. Maintenance of the existing anchorage areas would be undertaken concurrent with improvement dredging. Improvements consist of designating a 10-foot channel through the existing central anchorage, dredging an 8-foot anchorage to compensate for the area lost to the channel, and expanding the upper 6-foot anchorage by 5.6 acres to accommodate the needs of the larger commercial fishing fleet. Bass Harbor is the last port on Mount Desert Island to retain commercial fishing as its principal activity. The other island harbors, while maintaining commercial fleets, have become largely recreational focused harbors.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	110,000 ^{1/}	1,710,000
Estimated Non-Federal Cost	10,000	190,000
Cash	(10,000)	(190,000)
Other	(0)	(0)
Total Estimated Project Cost	120,000	1,900,000
Allocation thru FY 2008	110,000	0
Allocation for FY 2009	0	1,617,000
Recovery Act Allocations to Date	0	69,000
Allocation for FY 2010	0	24,000
Balance to Complete After FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	6.7

^{1/} Feasibility is cost shared 50/50. The initial \$100,000 is 100% Federally funded.

FY 2010 ACTIVITIES: FY 2010 funds, along with planned FY 2009 carryover of \$1,590,000, are being used to advertise and award a base bid contract with options in February 2010 for construction of the project in conjunction with maintenance dredging.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in 2010.

OTHER INFORMATION: A Project Partnership Agreement was signed with the Town of Tremont, Maine on 21 October 2009.

CONGRESSIONAL INTEREST: Senators Collins (ME) & Snowe (ME) & Representative Michaud (ME-2)

DISTRICT: New England

FACT SHEET
SECTION 107 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Bucks Harbor, Machiasport, Maine

AUTHORIZATION: Section 107 of the Rivers and Harbors Act of 1960, as amended.

LOCATION: Bucks Harbor is located in Machiasport, Maine on the west coast of Machias Bay.

DESCRIPTION: Bucks Harbor includes an inner and outer harbor, and is home to a large commercial fleet of about 70 fishing, lobstering and aquaculture support vessels. An existing Federal project, completed in 1974, provides an 11-acre anchorage area 8 feet deep. The project serves a large commercial fishing fleet and aquaculture operations (fish farms). The commercial has grown beyond the capacity of the existing project and boats in the harbor currently experience significant tidal delays, congestion delays, and damages because of inadequate space. The recommended project consists of declaring an 8-foot channel through the existing project to access the principal wharves, and expanding available anchorage at 8 and 6-foot depths for the commercial fleet to reduce or eliminate these problems. Maintenance dredging of the existing project features is also required, and maintenance and improvement activities would be conducted concurrently.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	215,000 ^{1/}	1,062,000
Estimated Non-Federal Cost	115,000	118,000
Cash	(115,000)	(118,000)
Other	(0)	(0)
Total Estimated Project Cost	330,000	1,180,000
Allocation thru FY 2008	215,000	50,000
Allocation for FY 2009	0	963,000
Recovery Act Allocations to Date	0	49,000
Allocation for FY 2010	0	0
Balance to Complete After FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	6.0

^{1/} Feasibility is cost shared 50/50. The initial \$100,000 is 100% Federally funded.

FY 2010 ACTIVITIES: Available funds are being used to sign a Project Partnership Agreement (PPA) with the Town of Machiasport in January 2010. Upon execution of the PPA, available funds will be used to advertise and award a fully funded contract in September 2010 for construction of the project. Work can not start until the beginning of the next environmental window on 8 November 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in 2011.

OTHER INFORMATION: Approval to execute the PPA was provided by ASA(CW) on 1 October 2009.

CONGRESSIONAL INTEREST: Senators Collins (ME) & Snowe (ME), Representative Michaud (ME-2)

DISTRICT: New England

FACT SHEET
SECTION 204 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Cape Cod Canal, Sandwich, Massachusetts

AUTHORIZATION: Section 204 of the Water Resources Development Act of 1992, as amended.

LOCATION: The Cape Cod Canal is located about 50 south of Boston, Massachusetts and extends across a narrow neck of land joining Cape Cod to the mainland. The beach areas being examined for possible beneficial use of dredged material are located in the Town of Sandwich, Massachusetts adjacent to the east end of the Cape Cod Canal along the southwest shore of Cape Cod Bay.

DESCRIPTION: The existing Federal navigation project provides for a channel 32 feet deep and 540 to 800 feet wide extending about 17.5 miles from deep water in Buzzards Bay to deep water in Cape Cod Bay. The project also includes navigation improvements in East Boat Basin and Onset Bay, and construction of two high-level highway bridges and a vertical lift railroad bridge, which cross the canal. Periodic dredging of the canal is required to maintain authorized depths. Dredged material is typically disposed of at the Massachusetts Bay Disposal Area. The Town of Sandwich has requested that the material from any future maintenance work be placed directly on the three beaches adjacent to the east end of the canal. At the request of the town, a Section 204 investigation was initiated in May 2008, which will determine if further Federal participation is warranted.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	200,000	585,000
Estimated Non-Federal Cost	0	315,000
Cash	(0)	(315,000)
Other	(0)	(0)
Total Estimated Project Cost	200,000	900,000
Allocation thru FY 2008	100,000	0
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	65,000	0
Balance to Complete After FY 2010	35,000	585,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue the feasibility study of beneficial use of dredged material. This study will determine the additional cost to place dredged material directly on the beach areas as opposed to the Massachusetts Bay Disposal Area.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility in FY 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Kirk (MA) & Kerry (MA), Representative Delahunt (MA-10)

DISTRICT: New England

FACT SHEET
SECTION 107 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Charlestown Breachway and Ninigret Pond, Charlestown, RI

AUTHORIZATION: Section 107 of the Rivers and Harbors Act of 1960, as amended.

LOCATION: The Charlestown Breachway is located along the south coast of Rhode Island in the Town of Charlestown, Washington County.

DESCRIPTION: An artificial inlet known as the breachway was locally constructed in the 1950's to provide navigation from deep water in Block Island Sound to Ninigret Pond, and to improve shellfish propagation in the pond. A number of large boulders in the inlet and its seaward approach create a serious hazard to navigation. A plan to clear the inlet and approach was approved by CENAD on 26 May 2005 as the basis for preparing plans and specifications for this small navigation project.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	100,000	990,000
Estimated Non-Federal Cost	0	110,000
Cash	(0)	(110,000)
Other	(0)	(0)
Total Estimated Project Cost	100,000	1,100,000
Allocation thru FY 2008	100,000	747,000
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	0
Balance to Complete After FY 2010	0	243,000
Benefit to Cost Ratio @ 7%	N/A	0.2

FY 2010 ACTIVITIES: Draft plans and specifications for boulder removal are complete. Available funds are being used to complete technical review and final environmental coordination. The cost to construct the project has increased significantly as larger equipment is needed to safely remove boulders from the breachway. The project is no longer economically justified under Section 107 Authority (0.2 BCR). Signing of a Project Partnership Agreement (PPA) is on hold pending act language and appropriation of additional funds to construct the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Pending act language, complete construction in 2011.

OTHER INFORMATION: *The following **act language** is suggested for inclusion under General Provisions: **The Secretary of the Army is directed to use such sums as are necessary from amounts appropriated in this Act or any prior Act for prosecuting projects pursuant to the authority provided by Section 107 of the River and Harbor Act of 1960 as amended (33 U.S.C. 577) to initiate and complete construction of a project to remove boulders from the breachway at Charleston Breachway and Inlet, Charlestown, Rhode Island, notwithstanding the cost-benefit ratio of the project.***

CONGRESSIONAL INTEREST: Senators Reed (RI) & Whitehouse (RI), Representative Langevin (RI-2)

DISTRICT: New England

FACT SHEET
SECTION 107 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Navigation

PROJECT/STUDY NAME: Fairless Hills Turning Basin, PA

AUTHORIZATION: Section 107 of the River and Harbor Act of 1960, as amended.

LOCATION: The project site is situated along the Delaware River in Falls Township, Bucks County, PA. It is located approximately 21 miles north of Philadelphia, PA, near Bristol, PA.

DESCRIPTION: A feasibility study will investigate the deepening of the Fairless Hills turning basin from 35 feet to 40 feet.

SUMMARIZED FINANCIAL DATA:

	FY2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$1,165,000
Estimated Non-Federal Cost	\$ 388,000
Total Estimated Project Cost	\$1,553,000
Allocation thru FY08	\$ 0
Allocation for FY09	\$ 63,926
Allocation for FY2010	\$1,115,000 1/
Recovery Act Allocation to Date	\$ 0
Balance to Complete After FY 2010	\$1,065,000
Benefit to Cost Ratio @ 7%	\$ N/A

1/ Funds are pending until a Project Partnership Agreement is executed.

FY2010 ACTIVITIES: Complete feasibility study and negotiate draft Project Partnership Agreement with the non-Federal sponsor. Funds (\$1,115,000) will be used to initiate and complete design and initiate complete construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction will be completed by FY2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Rep. Murphy (PA-8) and Senators Specter and Casey (PA)

DISTRICT: Philadelphia

FACT SHEET
SECTION 107 – CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Navigation

PROJECT/STUDY NAME: Fishermans Cove, Norfolk, Virginia

AUTHORIZATION: Section 107, River and Harbor Act of 1960, as amended.

LOCATION: On the south shore of the Chesapeake Bay, within the western branch of the Little Creek Inlet.

DESCRIPTION: A channel 100 feet wide and 10 feet deep from the Federally authorized Little Creek channel to the Route 60 highway bridge, approximately one mile.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Design & Implementation</u>
Estimated Federal Cost	682,000
Estimated Non-Federal Cost	102,000
Cash	101,000
Other	1,000
Total Estimated Cost	784,000
Allocation thru FY 2008	582,000
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	100,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Fiscal year 2010 funds will be used to execute a Project Partnership Agreement, to complete the detailed design, and construct the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: The local sponsor supports the project and has stated that all outstanding items of local cooperation are ready to be provided once the PPA is executed. All the necessary permits have been obtained.

CONGRESSIONAL INTEREST: Senators Warner and Webb (VA). Representative Nye (VA-2).

DISTRICT: Norfolk

FACT SHEET
SECTION 107 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Hampton Harbor, Hampton, New Hampshire (Blackwater River)

AUTHORIZATION: Section 107 of the Rivers and Harbors Act of 1960, as amended.

LOCATION: Hampton Harbor is located in Rockingham County on the east coast of New Hampshire about 10 miles south of Portsmouth, New Hampshire.

DESCRIPTION: The existing Federal project provides for an 8-foot entrance channel and seaward extensions of two stone jetties. Project was completed in 1965 and last maintained in 1987. The 1964 project was essentially development of a new harbor with little existing navigation. Federal project features were limited to the harbor entrance and inlet, while the state developed the inner harbor. Since the 1960's Hampton Harbor has grown to be the State's largest commercial fishing port. State requested study of inner harbor anchorage improvements for the commercial fleet. Study activities were delayed pending construction of the Section 227 National Erosion Control Demonstration Project for Seabrook Harbor, which was completed in April 2005 and is designed to reduce shoaling in the inner harbor. The proposed project provides for extending the 8-foot channel into the inner harbor with branches to the north (Hampton) and south (Seabrook) basins, and dredging 8-foot anchorage areas in both basins to accommodate the existing commercial fishing and lobstering fleets. Work involves dredging about 80,000 cubic yards of clean sand, which would be pumped to the adjacent State beaches in Hampton and Seabrook outside the harbor on either side of the inlet.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	160,000 ^{1/}	1,755,000
Estimated Non-Federal Cost	60,000	195,000
Cash	(60,000)	(195,000)
Other	(0)	(0)
Total Estimated Project Cost	220,000	1,950,000
Allocation thru FY 2008	160,000	167,000
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	0
Balance to Complete After FY 2010	0	1,588,000
Benefit to Cost Ratio @ 7%	N/A	1.2

^{1/} Feasibility is cost shared 50/50. The initial \$100,000 is 100% Federally funded.

FY 2010 ACTIVITIES: Available feasibility funds are being used to complete the Decision Document in May 2010. Upon approval of the Decision Document, available Design and Implementation funds of \$50,000 will be used to negotiate a Project Partnership Agreement with the sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete the feasibility study in FY 2010 and project construction in FY 2011.

OTHER INFORMATION: A Feasibility Cost-Sharing Agreement was executed on 17 October 2003 with the Pease Development Authority, Division of Ports and Harbors, an agency of the State of New Hampshire. The Pease Development Authority has provided their full share of study costs.

CONGRESSIONAL INTEREST Senators Judd (NH) & Shaheen (NH), Representative Shea-Porter (NH-01)

DISTRICT: New England

FACT SHEET
SECTION 204 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Newburyport Harbor, Massachusetts

AUTHORIZATION: Section 204 of the Water Resources Development Act of 1992, as amended.

LOCATION: Newburyport Harbor is located at the mouth of the Merrimack River, about 4 miles south of the Massachusetts and New Hampshire state line.

DESCRIPTION: The existing Federal navigation project provides for a 15-foot entrance channel, then a 9-foot channel through Newburyport Harbor to a 9-foot turning basin at the mouth of the Merrimack River. The project includes construction of north and south stone jetties at the entrance to Newburyport Harbor. The project was completed in August 1958 and last maintained in August 1999. Natural shoaling processes have reduced available depths in parts of the channel and turning basin making navigation difficult. Proposed maintenance dredging would involve the removal of about 160,000 cubic yards of material by hopper dredge, with disposal at a near shore site off of Plum Island. Environmental restrictions require this work to be performed between 2 November and 14 March. The towns of Newbury and Salisbury have requested that dredged material be placed directly on the beach. A Section 204 investigation was initiated in April 2008, which determined that Federal participation is warranted. Direct placement of sand onto the beach would cost an additional \$2,000,000.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	150,000	1,300,000
Estimated Non-Federal Cost	0	700,000
Cash	(0)	(660,000)
Other	(0)	(40,000)
Total Estimated Project Cost	150,000	2,000,000
Allocation thru FY 2008	100,000	0
Allocation for FY 2009	50,000	60,000
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	1,240,000
Balance to Complete After FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	3.7

FY 2010 ACTIVITIES: A Project Partnership Agreement was signed with the Commonwealth of Massachusetts Department of Conservation and Recreation on 9 November 2009. Section 204 FY 2010 funds of \$1,240,000, along with Operation and Maintenance Appropriation funds, are being used to advertise and award a fully funded contract in July 2010 to perform maintenance dredging of Newburyport Harbor with direct placement of dredged material on surrounding area beaches. The additional cost to place dredged material on the beach as opposed to near shore disposal is being cost-shared under Section 204.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Kirk (MA) & Kerry (MA), Representative Tierney (MA-6)

DISTRICT: New England

FACT SHEET
SECTION 107 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Point Judith Harbor and Pond, Narragansett, Rhode Island

AUTHORIZATION: Section 107 of the Rivers and Harbors Act of 1960, as amended.

LOCATION: Harbor is located in the lower end of Point Judith Pond with its entrance inside the Point Judith Harbor of Refuge in the Towns of Narragansett and South Kingston, Rhode Island.

DESCRIPTION: Point Judith Harbor is Rhode Island's largest commercial fishing port and the third largest fishing port in New England. Harbor supports a fleet of more than 100 commercial fishing boats, many are large offshore ground fishing craft. A ferry terminal serving the island community of Block Island also has its mainland terminal at Point Judith. The existing Federal project, completed in 1977, provides for a 15-foot entrance channel through a revetted inlet from the harbor of refuge into the lower pond. The 15-foot channel branches to access facilities along the east and west shores of the harbor, with a 10-foot anchorage between the branches. The west branch channel continues up Point Judith Pond another 3.8 miles to the village of Wakefield at a 6-foot depth. Since the existing project was completed the fishing fleet has grown and requires channel improvements to support continued safe and efficient operation. The State has expanded the fishing piers along the north side of the eastern waterfront and now desires that the east branch channel be extended to improve access to this area at a depth of 10 feet or greater.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	200,000 ^{1/}	1,080,000
Estimated Non-Federal Cost	100,000	120,000
Cash	(100,000)	(120,000)
Other	(0)	(0)
Total Estimated Project Cost	300,000	1,200,000
Allocation thru FY 2008	0	0
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	100,000	0
Balance to Complete After FY 2010	0	1,080,000
Benefit to Cost Ratio @ 7%	N/A	N/A

^{1/} Feasibility is cost shared 50/50. The initial \$100,000 is 100% Federally funded.

FY 2010 ACTIVITIES: FY 2010 funds are being used to initiate a feasibility study of navigation improvements at Point Judith Harbor. Initial efforts are re-examining the improvements proposed in 1989 along with other improvements for the fishing fleet to determine if Federal participation is warranted.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility study in 2012.

OTHER INFORMATION: A Detailed Project Report published in 1989 found favorable economic justification and concluded that Federal participation was warranted. The State decided not to pursue such improvements at that time but has now asked that the proposal be re-examined.

CONGRESSIONAL INTEREST: Senators Reed (RI) & Whitehouse (RI), Representative Langevin (RI-2)

DISTRICT: New England

FACT SHEET
Section 107 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Navigation

PROJECT/STUDY NAME: Rhodes Point, MD

AUTHORIZATION: Continuing Authorities Program, Section 107, Rivers and Harbors Act of 1960, as amended

LOCATION: Somerset County, MD

DESCRIPTION: Rhodes Point is located along the southwestern shoreline of Smith Island in Somerset County, Maryland. The Island is 12 miles west of Crisfield, Maryland and 95 miles south of Baltimore; straddling the Maryland and Virginia state line. Smith Island is actually a cluster of marsh areas, separated by shallow tidal guts (creeks or channels). The small pockets of uplands are used as residential portions of the three towns; Tylerton, Ewell and Rhodes Point. The area of interest during this study was Sheep Pen Gut, connecting Rhodes Point to the Chesapeake Bay. The current Federal navigation channel that serves Rhodes Point goes through Sheep Pen Gut. The primary navigation problem being experienced by watermen is rapid shoaling in the existing Federal channel. The recommended plan is a twin jetty with a realigned channel combined with a spur or jetty extension and a sill. Material dredged as part of the channel realignment will be used to backfill behind the sill to create two acres of tidal wetlands. This alternative produced a benefit to cost ratio of 1.2 and is the recommended plan at an estimated cost of \$7.8 million, which will be shared 90% Federal and 10% non-Federal, with an additional 10% of the implementation costs, less credit for lands, easements, rights-of-way, relocations and dredged material placement sites, paid back at the end of construction.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	FY 2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$ 90,000	\$6,910,000
Estimated Non-Federal Cost	0	768,000
Cash		
Other		
Total Estimated Cost	\$ 90,000	\$7,678,000
Allocation thru 2008	\$90,000	\$4,046,900
Allocation for FY 2009	0	0
Allocation for FY 2010	0	0
Balance to Complete after FY 2010	0	\$ 2,863,000
Benefit to Cost Ratio at 7%		Not available

FY 2010 ACTIVITIES: None. Future work on the project is dependent upon Congressional direction and optimal funding. See Further Information below.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With Congressional direction and optimal funding, a construction contract could be awarded in FY 2011.

FURTHER INFORMATION: A waiver request to allow the project to increase the Federal limit of the project in accordance with the Water Resources Development Act of 2007 was disapproved by Headquarters in April 2009. Congressional direction is now required for the project to be implemented.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representative Kratovil (MD-01)

DISTRICT: Baltimore

FACT SHEET
SECTION 111 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Saco River and Camp Ellis Beach, Saco, Maine

AUTHORIZATION: Section 111 of the Rivers and Harbors Act of 1968, as amended. Section 3085 of WRDA 2007 authorizes a maximum of \$26.9 million for the project.

LOCATION: Camp Ellis Beach is located in Saco, Maine, about 16 miles south of Portland, Maine.

DESCRIPTION: The Saco River Federal Navigation Project consists of an 8-foot deep channel, 100 to 200 feet wide. The channel is protected to the south by a 4,800-foot long jetty and to the north by a 6,600-foot long breakwater. Camp Ellis Beach lies adjacent to the north breakwater and extends 2,500 feet north to Ferry Beach. Coastal storms have caused severe shoreline erosion along Camp Ellis Beach and the loss of about 36 homes. State and city officials believe and studies have concluded that the north breakwater is the principal source of the erosion problem. Proposed plans involve a combination of sand nourishment, structural modification of the north breakwater and construction of one or more land-based or off-shore breakwaters, groins or jetties. State law prohibits construction of coastal structures tied to the shore, and would only permit offshore structures. The effectiveness of various structural solutions is being evaluated through model studies.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	698,000	26,202,000
Estimated Non-Federal Cost	0	0
Cash	(0)	(0)
Other	(0)	(0)
Total Estimated Project Cost	698,000	26,202,000
Allocation thru FY 2008	698,000	2,170,000
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	300,000
Balance to Complete After FY 2010	0	23,732,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to complete project design, including a decision document, environmental documentation and real estate plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete project construction in FY 2013.

OTHER INFORMATION: The original jetties were constructed beginning in 1824. The northern breakwater was reconstructed beginning in 1866 and substantially modified in 1967. Modeling analysis by the Corps Coastal and Hydraulics Laboratory, completed in December 1994, found that erosion was caused by several factors, including reflection of waves off the north breakwater, and funneling of currents along the structure. Further studies by the State concluded that the jetties also re-direct riverine sands offshore eliminating that source of natural renourishment for the adjacent beaches.

CONGRESSIONAL INTEREST: Senators Collins (ME) & Snowe (ME), Representative Pingree (ME-1)

DISTRICT: New England

FACT SHEET
SECTION 107 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Navigation

PROJECT/STUDY NAME: Schuylkill River at Girard Point, PA

AUTHORIZATION: Section 107 of the River and Harbor Act of 1960, as amended.

LOCATION: The project site is situated along the Schuylkill River at Girard Point in the City of Philadelphia.

DESCRIPTION: A feasibility study will investigate deepening the Schuylkill River at Girard Point, PA.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 200,000
Estimated Non-Federal Cost	\$ 100,000
Total Estimated Project Cost	\$ 300,000
Allocation thru FY08	\$ 10,000
Allocation for FY09	\$ 20,000
Allocation for FY2010	\$ 70,000
Recovery Act Allocation to Date	\$ 0
Balance to Complete After FY 2010	\$ 100,000
Benefit to Cost Ratio @ 7%	\$ TBD

FY2010 ACTIVITIES: Continue feasibility study and negotiate and execute a Feasibility Cost Share Agreement with the non-Federal sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Study will be completed in FY2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Rep. Murphy (PA-8) and Senators Specter and Casey (PA)

DISTRICT: Philadelphia

FACT SHEET
Section 107 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Navigation

PROJECT/STUDY NAME: St. Jerome Creek, St. Mary's County, MD

AUTHORIZATION: Continuing Authorities Program, Section 107 of the River and Harbor Act of 1960, as amended

LOCATION: St. Mary's County, Maryland

DESCRIPTION: St. Jerome Creek is located in St. Mary's County, Maryland, along the western shore of the Chesapeake Bay between St. Jerome Neck and Fresh Pond Neck. The existing Federal navigation project consists of a channel and turning basin of 200 feet wide and 300 feet long opposite Airdele, in St. Jerome Creek, and is approximately 5 miles north of the mouth of the Potomac River and 6 miles southeast of St. Mary's City. The proposed project would involve construction of a jetty or jetties that would protect the mouth of St. Jerome Creek. The proposed action would restore vessel utilization of the channel and associated turning basin, as well as, reduce the need for future maintenance dredging.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	FY 2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$388,800	\$3,600,000
Estimated Non-Federal Cost	\$288,800	\$400,000
Cash	\$270,300	\$400,000
Other	\$ 18,500	0
Total Estimated Cost	\$677,600	\$4,000,000
Allocation thru 2008	\$388,800	0
Allocation for FY 2009	0	0
Allocation for FY 2010	0	\$50,000
Balance to Complete after FY 2010	0	\$3,950,000
Benefit to Cost Ratio at 7%		Not available yet

FY 2010 ACTIVITIES: Complete the feasibility study, the feasibility report is expected to be submitted to the North Atlantic Division office for approval during the 4th quarter of FY10. Execute a Project Partnership Agreement, and initiate plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representative Hoyer (MD-05)

DISTRICT: Baltimore

FACT SHEET
SECTION 107 – CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Navigation

PROJECT/STUDY NAME: Tangier Island Jetty, Accomack County, Virginia

AUTHORIZATION: Section 107, River and Harbor Act of 1960 (P.L. 86-645), as amended; Section 577, WRDA 1996 (P.L. 104-303), as amended; and Section 3162, WRDA 2007 (P.L. 110-114), as amended.

LOCATION: On the west side of Tangier Island, Virginia

DESCRIPTION: The proposed jetty would extend south 300 feet from the north shore on the west side of the island, then dogleg southwest 200 feet, parallel to the channel. A 170 foot revetment would armor the shoreline at the base of the structure. A 50-foot jetty off the seawall on the south shore would reduce wave refraction. The purpose is to reduce direct wave attack and sheets of ice pushed into the harbor and channel. It will also reduce shoreline erosion and sediment flow to the navigation channel.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Design & Implementation</u>
Estimated Federal Cost	3,234,000
Estimated Non-Federal Cost	366,000
Cash	365,000
Other	1,000
Total Estimated Cost	3,600,000
Allocation thru FY 2008	0
Allocation for FY 2009	50,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	450,000
Balance to Complete after FY 2010	2,734,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Develop, negotiate, and execute a Project Partnership Agreement with the non-Federal Sponsor and initiate the detailed design of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2013

OTHER INFORMATION: A reconnaissance report was approved in March 1995, which indicated that the jetty was not economically feasible (BCR 0.50). However, the Water Resources Development Act of 1996 authorized the project.

CONGRESSIONAL INTEREST: Senators Warner and Webb (VA). Representative Nye (VA-2).

DISTRICT: Norfolk

FACT SHEET
SECTION 107 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Navigation

PROJECT/ STUDY NAME: Woods Hole Great Harbor, Falmouth, Massachusetts

AUTHORIZATION: Section 107 of the River and Harbor Act of 1960, as amended.

LOCATION: Woods Hole Great Harbor is located at the southwestern end of Cape Cod at the confluence of Vineyard Sound and Buzzards Bay in the Town of Falmouth, Barnstable County, Massachusetts.

DESCRIPTION: The existing Federal navigation project for the Woods Hole Channel provides a 13-foot channel connecting the Sound and Bay and enters the Sound at the mouth to Great Harbor. An existing Federal project for Woods Hole Little Harbor provides a 17-foot channel to access the USCG facilities at Little Harbor. There is no existing Federal project for Great Harbor though some works of protection were constructed in the early 1800s. The Town of Falmouth has requested a Section 107 study of deep draft channel and turning basin improvements in Great Harbor in support of vessel access for the Wood Hole Oceanographic Institute (WHOI), NOAA Fisheries installation, Woods Hole Martha's Vineyard and Nantucket Steamship Authority and transient users including the USCG and US Navy. The harbor's location at the confluence of the Bay and Sound make it an important stopover for vessel traffic along the New England Coast and reason for construction of Federal, State and WHOI facilities in the port.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>
Estimated Federal Cost	100,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Project Cost	100,000
Allocation thru FY 2008	198,000
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	0
Balance to Complete After FY 2010	-98,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Available funds are being used to complete an initial appraisal of navigation improvements at Woods Hole Great Harbor including preliminary investigations to determine Federal interest.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility in FY 2011.

OTHER INFORMATION: NOAA provided funds to the Corps under an interagency agreement for study and design of a new entrance channel, harbor basin, berth and pier for its newest class of research vessel. NOAA also provided funds for construction of the entrance channel, which was completed in March 2009. Construction of the harbor basin, berth and new pier wait further NOAA funding. NOAA's ongoing funding of project construction would negate any need for further Federal participation under Section 107 Authority. NOAA may seek future Federal maintenance of the newly constructed entrance channel under the Operation and Maintenance appropriation. If NOAA does not fund further construction efforts and preliminary investigations determine Federal interest, FY 2010 planned carryover funds of \$98,000 could be used to sign a Feasibility Cost Sharing Agreement with the State or Town and continue the feasibility study; including plan formulation, cost estimating and preparation of the draft report and Environmental Assessment.

CONGRESSIONAL INTEREST: Senators Kerry (MA) & Kirk (MA), Representative Delahunt (MA-10)

DISTRICT: New England

Aquatic Ecosystem Restoration

Investigations

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Bronx River Basin, New York

AUTHORIZATION: U.S. House of Representatives Committee on Transportation & Infrastructure Resolution adopted 24 March 1998, Docket #2551

LOCATION: The Bronx River basin study area occupies 56 square miles in central and lower Westchester County, and Bronx County of the City of New York.

DESCRIPTION: Local communities throughout the Bronx River Basin have suffered significant environmental degradation. The reconnaissance study, certified in January 2000, recommended further study of environmental restoration opportunities.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$2,500,000
Estimated Non-Federal Cost	2,250,000
Total Estimated Cost	\$4,750,000
Allocation thru FY 2008	\$1,526,000
Allocation for FY 2009	382,000
Allocation for FY 2010	269,000
Recovery Act Allocation To Date	0
Balance to complete after FY 2010	323,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 10 funds, along with prior year funds, will be used to continue feasibility study efforts, including site specific engineering and planning modeling, model certification, environmental analyses, and coordination with non-Federal interests.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: Non-Federal sponsor(s) inability to provide required non-Federal cost-share matching study funds may delay progress of study.

CONGRESSIONAL INTEREST: Representatives Joseph Crowley (NY-7), Jose Serrano (NY-16), and Nita Lowey (NY-18)

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Chesapeake Bay Shoreline Erosion, Maryland Coastal Management Feasibility Study, MD

AUTHORIZATION: Resolution of Senate Committee on Public Works, 1961; Resolution of House Committee on Public Works, 1962; Resolution of the U.S. Senate Committee on Environment and Public Works, 28 June 1983. Senate Committee on Environment and Public Works resolution dated 23 May 2001.

LOCATION: The study area includes the Maryland portion of the Chesapeake Bay coastal zone and tributaries in Maryland. The study area includes over 4,000 miles of shoreline and a watershed of over 64,000 acres.

DESCRIPTION: The study is designed to provide better tools to individual landowners and develop an overall master plan that reduces hurricane and storm damage, protects vital natural resources, and develops coastal restoration projects within the coastal zone. In particular, the study will emphasize the restoration of coastal function, protection of vital infrastructure and resources, and the restoration of aquatic ecosystem habitat. A feasibility study cost sharing agreement was executed with the Maryland Department of Natural Resources in September 2004.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$3,147,000
Estimated Non-Federal Cost	3,147,000
Cash	(0)
Other	(3,147,000)
Total Estimated Study Cost	\$3,147,000
Allocation thru FY 2008	\$1,147,000
Allocation for FY 2009	287,000
Allocation for FY 2010	90,000
Recovery Act Allocation to Date	60,000
Balance to Complete After FY 2010	\$1,563,000
Remaining Benefits Remaining Costs Ratio (7%)	N/A

FY 2010 ACTIVITIES: Finalize the Management Plan and Technical Guide. Develop Project Management Plans and execute the Feasibility Coast Share Agreements with potential sponsors for Federally-justified projects.

EARLIEST ATTAINABLE COMPLETION FOR PHASE: With optimum funding, finalize the Management Plan and Technical Guide Fall 2010. The feasibility study could be completed in September 2013.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Cardin and Mikulski (MD), Senators Casey and Specter (PA), Senators Warner and Webb (VA), Representatives Kratovil (MD-01) and Kanjorski (PA-11).

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Chesapeake Bay Susquehanna Reservoir Sediment Management, PA, MD & VA

AUTHORIZATION: Resolution of the U.S. Senate Committee on Environment and Public Works dated 23 May 2001 – Chesapeake Bay Shoreline Erosion.

LOCATION: The Susquehanna River Basin drains a 27,500 square mile area, covering half of Pennsylvania, and portions of New York and Maryland, encompassing 43% of the Bay's drainage area.

DESCRIPTION:

Though the effects of sediment on the Chesapeake Bay and its living resources have been researched, past studies have not included an examination of the impact of the Lower Susquehanna River Dams on sediment transport into the Bay. As of 1990, it was estimated that 280 million tons of sediment originating from the Susquehanna River watershed were trapped behind the four hydroelectric dams located on the Lower Susquehanna River between Havre de Grace, Maryland and Harrisburg, Pennsylvania. Three of the four dams; Holtwood, Safe Harbor, and York Haven have reached steady state. That is, they have fully silted in and no longer trap sediment. It is estimated that the Conowingo Dam will cease to have trapping capacity in the next decade or two at which time the sediment input to the bay may increase dramatically. This will have great impact on the Chesapeake Bay Sediment Total Maximum Daily Load that is being established. This study intends to determine the feasibility of removing sediment from behind the Conowingo Reservoir to increase capacity, as well as determining the benefits of increasing this capacity. High sediment loads into the Bay and the nutrients they carry can cause a loss of submerged aquatic vegetation, degradation of oyster and benthic habitat, and other environmental problems, as well as shoaling of navigation channels.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	
	<u>Recon</u>	<u>Feasibility</u>
Estimated Federal Cost	\$835,000	\$2,250,000
Estimated Non-Federal Cost	0	750,000
Cash	(0)	(0)
Other	(0)	750,000
Total Estimated Study Cost	\$835,000	\$3,000,000
Allocation thru FY 2008	\$ 635,000 ¹	\$ 0
Allocation for FY 2009	57,000	0
Allocation for FY 2010	90,000	0
Balance to Complete After FY 2010	\$53,000	\$2,250,000
Remaining Benefits Remaining Costs Ratio (7%)		N/A

¹ Multiple feasibility studies have resulted from this reconnaissance effort.

FY 2010 ACTIVITIES: A sponsor(s) will be identified and a project management plan will be developed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete 905(b) report in FY11.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Cardin and Mikulski (MD), Casey and Specter (PA), Warner and Webb (VA); Representatives Kratovil (MD-01) and Kanjorski (PA-11).

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environmental and Flood Damage Reduction

PROJECT/STUDY NAME: Chowan River Basin, Virginia and North Carolina

AUTHORIZATION: Resolution adopted 2 May 2007 by the House T&I Committee

LOCATION: In southeastern Virginia and northeastern North Carolina

DESCRIPTION: The Chowan River is 130 miles long and drains an area of 5,000 square miles. Sixteen counties or portions thereof are in the basin. The Chowan River itself is located entirely in North Carolina and flows from the confluence of the Nottoway and Blackwater Rivers at the state line for 50.6 miles to empty into Albemarle Sound. The third major tributary, the Meherrin River, empties into the Chowan River about 36 miles above the mouth. There are authorized Federal navigation channels in the Meherrin River (10-foot depth), the Chowan River (12-foot depth), the Blackwater River (12-foot depth) and the Nottoway River (a 15-foot wide naturally deep recreational channel). There are no Federal flood control projects in the Chowan River Basin.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Reconnaissance</u>
Estimated Federal Cost	\$350,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Cost	\$350,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	96,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	130,000
Balance to Complete after FY 2010	124,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue reconnaissance phase activities such as gathering existing data, stakeholder coordination, issue definition and sponsor identification.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Six of the top ten recorded flood levels in the City of Franklin, VA have occurred since 1998, including Hurricane Floyd (Flood of Record) in 1999.

CONGRESSIONAL INTEREST: Senators Warn er (VA), Webb (VA), Burr (NC), and Hagan (NC). Representatives Scott (VA-3), Forbes (VA-4), Perriello (VA-5), Butterfield (NC-1), and W. Jones (NC-3)

DISTRICT: Norfolk

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Environment

PROJECT/ STUDY NAME: Connecticut River Ecosystem Restoration; VT, NH, MA & CT

AUTHORIZATION: Study resolution of U.S. Senate, Committee on Public Works, adopted 23 May 2001. Section 3155 of WRDA 2007 allows The Nature Conservancy (TNC) to act as a cost-sharing partner.

LOCATION: The Connecticut River Watershed extends from the northernmost part of New Hampshire to Long Island Sound and includes a small portion of the Canadian Province of Quebec.

DESCRIPTION: The Connecticut River Watershed has experienced considerable development resulting in significant loss of floodplain, fish spawning habitat (e.g. Atlantic salmon, striped Bass), wetlands, waterfowl nesting areas and other valuable fish and aquatic habitat. Existing aquatic habitat resources have also been impacted by deposition of eroded stream bank material. The construction of hydroelectric, flood control and other dams in the watershed along with municipal and commercial water withdrawals has altered the watershed's natural hydrologic regime and has blocked the passage of anadromous fish. The study will evaluate measures to reduce stream bank erosion, restore anadromous fisheries migratory corridors and spawning habitat, restore degraded wetlands and riverine habitat and improve the overall fish and wildlife habitat, and management modifications of the dams to address ecological concerns.

SUMMARIZED FINANCIAL DATA:

	<u>Study</u>
Estimated Federal Cost	\$1,500,000
Estimated Non-Federal Cost	1,500,000
Cash	(750,000)
Other	(750,000)
Total Estimated Project Cost	\$3,000,000
Allocation thru FY 2008	\$108,000
Allocation for FY 2009	191,000
Recovery Act Allocations to Date	75,000
Allocation for FY 2010	359,000
Balance to Complete After FY 2010	\$767,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue the feasibility study of all of the major dams in the watershed by developing a basin-wide hydrologic model.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013.

OTHER INFORMATION: The original Section 905(b) report was certified by HQUSACE on 13 September 2002. An FCSA were negotiated with the Connecticut River Joint Commission to study environmental restoration measures; however, they were unable to secure study funds. The study was reexamined for environmental restoration opportunities in the Connecticut River Watershed including the West River in Vermont and the Ashuelot River in New Hampshire. The amended Section 905(b) Report was approved in 2005 and an FCSA was executed with TNC on 5 August 2005. However, as a private nonprofit organization the TNC did not meet the legal definition as a non-Federal sponsor. The study was put on hold until WRDA 2007 provided a statutory fix.

CONGRESSIONAL INTEREST: Senators Lieberman (CT), Dodd (CT), Kirk (MA), Kerry (MA), Judd (NH), Shaheen (NH), Leahy (VT), and Sanders (VT); and Representatives Welch (VT-AL), Shea Porter (NH-1), McGovern (MA-3), Frank (MA-4), Lynch (MA-9), Delahunt (MA-10), Larson (CT-1), Courtney (CT-2), DeLauro (CT-3) and Murphy (CT-5)

DISTRICT: New England

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME AND STATE: Delaware River Basin, Pine Knot, PA

AUTHORIZATION: U.S. House of Representatives, Committee on Transportation and Infrastructure Resolution, Susquehanna and Delaware River Basins, Pennsylvania, dated May 22, 2002.

LOCATION: The Pine Knot study area is located near Minersville, Schuylkill County, Pennsylvania.

DESCRIPTION: The Southern Anthracite Region was the subject of considerable degradation in the 19th and early 20th centuries, providing power to the eastern United States to fuel the country's industrial development. The Reconnaissance Study was initiated in the spring of 2003 and assessed the Federal interest for further feasibility studies to develop potential solutions for watershed restoration, ecosystem restoration, fish and wildlife habitat restoration and allied purposes. As part of the reconnaissance phase an expedited reconnaissance study was completed in accordance with Section 905(b) of the Water Resources Development Act (WRDA) 1986.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Reconnaissance</u>	<u>FY 2010 Feasibility</u>
Estimated Federal Cost:	\$125,000	\$1,200,000
Estimated Non-Federal Cost:	\$ 0	\$1,200,000
Total Estimated Cost:	\$125,000	\$2,400,000
Allocation thru FY08:	\$125,000	\$ 25,000
Allocation for FY09:	\$ 0	\$ 0
Allocation for FY 2010	\$ 0	\$ 90,000
Recovery Act Allocations to Date	\$ 0	\$ 0
Balance to Complete After FY10:	\$ 0	\$1,085,000
Benefit to Cost ration Applicable rate (%)	N/A	N/A

FY2010 ACTIVITIES: FY2010 funds will be used to continue the feasibility study including coordinating and executing Phase 1 of a geotechnical contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2015

OTHER INFORMATION: The Feasibility Cost Sharing Agreement (FCSA) was executed on December 19, 2008. Reconnaissance Phase was completed in FY2009.

CONGRESSIONAL INTEREST: Senators Specter and Casey (PA), Representative Kanjorski (PA-11) and Holden (PA-17)

DISTRICT: Philadelphia

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME AND STATE: Delaware River Waterfront, PA

AUTHORIZATION: House Resolution dated March 16, 2000, Delaware River Waterfront and Senate Resolution dated July 20, 2005, Delaware River and its Tributaries, New Jersey, New York, and Pennsylvania.

LOCATION: The study area is comprised of the Delaware River from the Ben Franklin Bridge to the Poquessing Creek and the contributing watersheds of the Tookany/Tacony-Frankford Creek, Pennypack Creek, and Poquessing Creek, situated in Montgomery, Bucks, and Philadelphia /Counties, Pennsylvania.

DESCRIPTION: This reconnaissance study will evaluate possible recommendations advisable in the interests of environmental restoration and protection, mitigation for previous activities and projects, riparian habitat improvement, water quality control, historic preservation, and other allied purposes.

FY	2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Reconnaissance</u>
Estimated Federal Cost:	\$200,000
Estimated Non-Federal Cost:	\$ 0
Total Estimated Cost:	\$200,000
Allocation thru FY08:	\$ 0
Allocation for FY09:	\$ 96,000
Allocation for FY 2010	\$ 90,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete After FY10:	\$ 14,000
Benefit to Cost Ratio @ 7%	N/A

FY2010 ACTIVITIES: Identify a non-federal sponsor. Complete the PMP. Execute a letter of intent and feasibility cost share agreement with the non-federal sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest completion for the Reconnaissance Phase would be early FY 2011.

OTHER INFORMATION: Draft 905b Expedited Reconnaissance Study is complete and coordination efforts are ongoing to identify a non-federal sponsor(s).

CONGRESSIONAL INTEREST: Congresswoman Schwartz (PA-13), Congressmen Brady (PA-1), Fattah (PA-2) and Murphy (PA-8) and Senators Specter and Casey.

DISTRICT: Philadelphia

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environmental Restoration and Flood Damage Reduction

PROJECT/STUDY NAME: Dismal Swamp and Dismal Swamp Canal, Chesapeake, Virginia

AUTHORIZATION: Resolution adopted May 22, 2002 by the Committee on Transportation and Infrastructure, U.S. House of Representatives

LOCATION: City of Chesapeake, Virginia

DESCRIPTION: The remnants of Hurricane Floyd (13 September 1999) caused significant flooding in the city of Chesapeake and the surrounding region. The Dismal Swamp is maintained as a swamp by fixed weirs across the drainage ditches to restrict the flow of water out of the swamp and inward to Lake Drummond in the middle of the Dismal Swamp. The water exiting Lake Drummond through a feeder ditch is used to maintain the level of water in the Dismal Swamp Canal, a portion of the Atlantic Intracoastal Waterway. The public perceives that the Corps might have reduced the flooding by diverting the floodwaters from Lake Drummond through the navigation locks at Deep Creek, Virginia, and at South Mills, North Carolina.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Feasibility Study</u>
Estimated Federal Cost	\$	578,000
Estimated Non-Federal Cost		578,000
Cash		511,000
Other		67,000
Total Estimated Cost	\$1,156,0	00
Allocation thru FY 2008		\$ 427,000
Allocation for FY 2009		59,000
Recovery Act Allocations to Date		0
Allocation for FY 2010		70,000
Balance to Complete after FY 2010		\$ 22,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: The tentatively selected plan for restoration of 3 sites will be obtained and the draft Alternative Formulation Briefing package will be completed and sent out for technical review.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011.

OTHER INFORMATION: Potential \$200K increase in total costs being discussed with sponsor.

CONGRESSIONAL INTEREST: Senators Warner (VA) and Webb (VA). Rep. Forbes (VA-4).

DISTRICT: Norfolk

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Forge River Watershed, Long Island, NY

AUTHORIZATION: Study Resolution by the House Transportation and Infrastructure Committee, dated 28 June 2006.

LOCATION: Forge River Watershed is located between the towns of Mastic and Moriches in Suffolk County, New York. The river flows in a southerly direction into Moriches Bay.

DESCRIPTION: In addition to erosion and flooding problems, former duck farms are creating negative environmental impacts in the Forge River and its tributaries. The Forge River was just added to the New York State list of impaired waterways by the State Department of Environmental Conservation.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,500,000
Estimated Non-Federal Cost	\$1,500,000
Cash	\$ 699,000
Other	\$ 801,000
Total Estimated Cost	\$3,000,000

Allocation thru FY 2008	0
Allocation for FY 2009	\$ 10,000 ^{1/}
Allocation for FY 2010	\$117,000
Recovery Act Allocation to Date	0
Balance to Complete after FY 2010	\$ 1,373,000

1/ FY09 Conference amount is \$119,000, which is expected when the Feasibility Cost Sharing Agreement is executed.

FY 2010 ACTIVITIES: FY 10 funds will be used to initiate Feasibility Phase including: initiate determination of existing conditions through engineering, environmental, and economic studies.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013, subject to availability of funds.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Representatives Timothy Bishop (NY-01); Senators Charles Schumer and Kirsten Gillibrand (NY)

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Four Mile Run, VA

AUTHORIZATION: Section 201 of the Flood Control Act of 1965

LOCATION: The Four Mile Run watershed extends over a drainage area of 19.1 square miles, primarily in the City of Alexandria and Arlington County, Virginia.

DESCRIPTION: Due to frequent flash flooding in the 1960's and 1970's in these areas, the Corps of Engineers constructed a local flood protection project on Four Mile Run, completing the project in 1983. The constructed project provides protection from flood flows of 27,000 cubic feet per second (cfs) on Four Mile Run and fluvial and tidal backwater stages from the Potomac River. The existing project features levees and floodwalls with associated interior drainage facilities, an improved channel, and the addition of and modification to several highway and railroad bridges. The non-Federal sponsors, the City of Alexandria and Arlington County, have expressed interest in environmental enhancements to the project that would not jeopardize the authorized project's level of flood protection. The feasibility study is focused on evaluating opportunities to restore aquatic and riparian habitat in the levee corridor and upstream watershed while maintaining a 100-year level of protection.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$2,060,000
Estimated Non-Federal Cost	2,060,000
Cash	(0)
Other	(2,060,000)
Total Estimated Study Cost	\$4,120,000
Allocation thru FY 2008	\$1,656,000
Allocation for FY 2009	239,000
Allocation for FY 2010	112,000
Balance to Complete After FY 2010	\$ 53,000
Remaining Benefits Remaining Costs Ratio (7%)	N/A

FY 2010 ACTIVITIES: Continue the feasibility phase efforts including completion of the wetland restoration designs, preparation of a draft feasibility report, and initiation of review activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimum funding, feasibility study (Division Engineer's transmittal letter) would be completed in September 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Warner and Webb (VA); Representative Moran (VA-08).

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Gathright Dam and Lake Moomaw, Virginia

AUTHORIZATION: Section 216, Flood Control Act of 1970 (P.L. 91-611), as amended

LOCATION: On the Jackson River 19 miles north of Covington, Virginia.

DESCRIPTION: The dam and reservoir provide flood control, water quality (low flow augmentation), recreation and trout habitat on the Jackson and James Rivers. Since the project's inception, the demographics of the James River Basin have changed considerably. The James River regularly incurs drought conditions and, in 2000-2002, a severe drought taxed Gathright's ability to supplement the water in the James River. Widespread development throughout the basin has added pressure to maintaining and improving the overall environmental quality and recreational opportunities of the basin's water resources. The feasibility study will evaluate Gathright Dam and Lake Moomaw's ability to alleviate the impacted environmental conditions along the rivers from Gathright Dam to the city of Richmond, Virginia.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Feasibility Study</u>
Estimated Federal Cost	\$ 772,000
Estimated Non-Federal Cost	772,000
Cash	(193,000)
Other	(579,000)
Total Estimated Cost	\$1,544,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	\$ 233,000
Balance to Complete after FY 2010	\$ 539,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Update the FY05 Project Management Plan, initiate the feasibility study data collection, initiate modeling and begin preparing alternatives analysis.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: The Commonwealth of Virginia has written a letter expressing their support and willingness to sponsor this project and is currently reviewing the Draft FCSA and Project Management Plan for signature.

CONGRESSIONAL INTEREST: Senators Warner (VA) and Webb (VA); Reps. Scott (VA-3), Forbes (VA-4), Perriello(VA-5), Goodlatte(VA-6), and Cantor (VA-7).

DISTRICT: Norfolk

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Greenwood Lake, NY & NJ

AUTHORIZATION: Section 5002 of the Water Resources Development Act of 2007 (P.L. 110-114)

LOCATION: Greenwood Lake is located in Orange County, New York and Bergen County, NJ.

DESCRIPTION: Greenwood Lake is the headwaters for the Wanaque reservoir system, which provides drinking water to approximately 2.9 million people in Northern New Jersey. The Greenwood Lake Watershed is approximately 27 square miles. Problems in the lake include excessive sedimentation and nutrients, leading to excess aquatic plant growth. A Watershed Management Plan for the Lake in both New York and New Jersey will lead to storm water management within the watershed, which will reduce phosphorus loading, reduce plant growth and provide for lost recreational opportunities in the Lake.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$250,000
Estimated Non-Federal Cost	\$250,000
Total Estimated Cost	\$500,000
Allocation thru FY 2008	0
Allocation for FY 2009	0
Allocation for FY 2010	\$90,000
Recovery Act Allocation to Date	0
Balance to Complete after FY 2010	\$160,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds will be used to develop a reconnaissance level document (similar to a 905(b)), and initiate a Project Management Plan, negotiate a cost-sharing agreement with a potential study partner and initiate the watershed management assistance through either technical, design or planning assistance.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: A reconnaissance level study would be completed in FY10

OTHER INFORMATION: Implementation guidance for this section of WRDA is still pending. A local sponsor as not yet been identified.

CONGRESSIONAL INTEREST: Garrett (NJ-5), Hall (NY-19)

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Hudson-Raritan Estuary, Gowanus Canal, NY

AUTHORIZATION: House of Representatives Committee on Transportation and Infrastructure Resolution (Docket Number 2596) dated 15 April 1999.

LOCATION: The study area is the Gowanus Canal and Creek, off Bay Ridge Channel in Upper New York Harbor, Brooklyn, NY.

DESCRIPTION: The Canal and Creek extend less than one mile, with widths ranging from 200 to 500 feet and depths of 18 to 30 feet. As a part of the Hudson-Raritan Estuary, a national environmental resource, the waters of the canal and the surrounding shoreline, mudflats, intertidal, marshes and adjacent upland areas provide valuable habitat for many important commercial and recreational fish species, a wide variety of plant and wildlife resources and serves as a major flyway for migrating birds. Restoration measures could include hot spot removal of off-channel contaminated sediments, support to ongoing contaminant reduction efforts, creation/conversion of estuarine habitats and alteration of hydrology/hydraulics to improve flushing and water quality.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$2,500,000
Estimated Non-Federal Cost	2,500,000
Total Estimated Cost	5,000,000
Allocation Through FY 2008	\$1,855,000
Allocation for FY 2009	239,000
Allocation for FY 2010	134,000
Recovery Act Allocation To Date	0
Balance to complete after FY 2010	272,000
Benefit to Cost Ratio @ 7%	N/A

Note: The reconnaissance phase was funded as part of the comprehensive Hudson-Raritan Estuary Environmental Restoration, NY & NJ

FY 2010 ACTIVITIES: FY 2010 funds along with prior year carryover funds, are being used to continue the feasibility phase of this study. The efforts include data collection, economic, hydraulic, and environmental analyses necessary to establish baseline conditions and formulate plan alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012, subject to availability of funds.

OTHER INFORMATION: The District initiated the reconnaissance phase in January 2000 and completed the 905b Analysis Fact Sheet in June 2000, which identified locations for further study within the harbor, including the Gowanus Creek and Canal.

CONGRESSIONAL INTEREST: Representatives Owens (NY-11) and Velasquez (NY-12).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Middle Potomac River Watershed Assessment, MD, VA, PA, WV & DC

AUTHORIZATION: Section 729 of the Water Resources Development Act of 1986; resolutions of the Senate Public Works Committee, dated 26 January 1956 and 6 July 1959; resolution of the Senate Committee on Environment and Public Works, dated 23 May 2001

LOCATION: The Middle Potomac River watershed encompasses approximately 11,500 square miles. It contains 175 miles of the Potomac River and approximately 75 percent of the overall Potomac basin's residents. The middle Potomac watershed included a diverse landscape, with urban, rural, and natural areas in six different eco-regions and five states.

DESCRIPTION: Two feasibility studies have been initiated from the original reconnaissance effort. The third is the Section 729 watershed assessment. This assessment is evaluating the ecology and hydrology for sustainable low flows in the middle Potomac River watershed.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	
	<u>Recon</u>	<u>Feasibility</u>
Estimated Federal Cost	\$100,000	\$ 900,000
Estimated Non-Federal Cost	0	300,000
Cash	(0)	(0)
Other	(0)	300,000
Total Estimated Study Cost	\$100,000	\$1,200,000
Allocation thru FY 2008	\$100,000	\$ 56,000
Allocation for FY 2009	0	191,000
Allocation for FY 2010	0	585,000
Balance to Complete After FY 2010	0	\$ 68,000
Remaining Benefits Remaining Costs Ratio (7%)		N/A

FY 2010 ACTIVITIES: Continue the feasibility phase including completion of the hydrologic model and database, development of future water use projections, literature review, and agency workshops.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility study (Division Engineer submittal of final report to HQUSACE) in December 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Cardin and Mikulski (MD), Senators Warner and Webb (VA), Senators Byrd and Rockefeller (WV), Senators Casey and Specter (PA); and Representatives Bartlett (MD-06), Van Hollen (MD-08), Goodlatte (VA-06), Moran (VA-08), Wolf (VA-10), Connolly (VA-11), Mollohan (WV-01), Capito (WV-02), Shuster (PA-09), Platts (PA-19), and Holmes Norton (DC).

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Middle Potomac River – Cameron Run/Holmes Run, VA

AUTHORIZATION: Senate Environment and Public Works Committee resolutions, dated 26 January 1956, 6 July 1959, and 23 May 2001.

LOCATION: The Cameron Run watershed is 42 square miles in area and is located in Fairfax County, the City of Alexandria, and the City of Falls Church.

DESCRIPTION: The region is completely urbanized with nearly 95% of the watershed developed with mixed residential and commercial use. Today, the mainstem Cameron Run is a flood control channel and its historic floodplain is now primarily a transportation corridor, with the Capitol Beltway paralleling the stream channel. Industrial, commercial, and residential areas have replaced areas where wetlands and forests once attenuated floodwaters. Degraded water quality has resulted from the extreme channelization, as indicated by increases in temperature and algal production, channel instability, and disconnection from floodplain and wetland areas. In addition, non-point source pollution and urban stormwater runoff greatly affect the health of this watershed. The feasibility study is evaluating opportunities to restore aquatic and riparian habitat, reduce incidental flood damages in conjunction with habitat improvement, enhance channel aesthetics and habitat, and develop strategies to maintain the long-term viability of flood control measures and habitat restoration actions.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$2,462,000
Estimated Non-Federal Cost	2,462,000
Cash	490,000
Other	1,972,000
Total Estimated Study Cost	\$4,924,000
Allocation thru FY 2008	\$1,470,000
Allocation for FY 2009	191,000
Allocation for FY 2010	291,000
Balance to Complete After FY 2010	\$ 510,000
Remaining Benefits Remaining Costs Ratio (7%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue the feasibility phase, including preparation of concept designs for the watershed alternatives, public involvement, hydrologic & hydraulic modeling and documentation of existing conditions.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimum funding, feasibility study (Division Engineer's transmittal letter) will be completed in September 2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Warner and Webb (VA); Representatives Moran (VA-08) and Davis (VA-11).

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Middle Potomac River – Great Seneca/Muddy Branch, MD

AUTHORIZATION: Resolutions of the Senate Public Works Committee, dated 26 January 1956, 6 July 1959, and 23 May 2001.

LOCATION: Great Seneca Creek and Muddy Branch are two adjacent tributaries to the Potomac River. Both streams are wholly located in Montgomery County, Maryland, and enter the Potomac about 7 miles upstream of Great Falls.

DESCRIPTION: The Great Seneca Creek watershed measures 75 square miles in area and contains over 210 miles of stream. The Muddy Branch watershed measures 19 square miles in area and contains 58 miles of stream, of which 28 total stream miles are in the mostly urbanized City of Gaithersburg. Work conducted in these streams to date indicates that there are areas of degraded biological health. Both of these watersheds are showing the effects of urbanization and suburban growth, alterations in storm flow characteristics and concentration of flow due to increasing impervious surface and storm drain construction, and increasing stream widening and/or deepening leading to further channel instability and loss of habitat. Additional assessment is now needed to determine how to protect, repair, and restore the biological health of the streams in these watersheds using stormwater management and stream restoration opportunities to improve aquatic habitat, increase streambank stability, reduce erosion and soil loss, and improve instream water quality. Both of the watersheds included in this study are listed as impaired under the State's 303(d) impaired waterbody list.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,473,000
Estimated Non-Federal Cost	1,473,000
Cash	(0)
Other	(1,473,000)
Total Estimated Study Cost	\$2,946,000
Allocation thru FY 2008	742,000
Allocation for FY 2009	430,000
Allocation for FY 2010	269,000
Balance to Complete After FY 2010	\$ 32,000
Remaining Benefits Remaining Costs Ratio (7%)	N/A

FY 2010 ACTIVITIES: Continue the feasibility phase efforts including completion of stormwater retrofit designs environmental benefit analyses, and preparation of a draft feasibility report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimum funding, feasibility study (Division Engineer's transmittal letter) would be completed in September 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representatives Van Hollen (MD-08) and Bartlett (MD-06).

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction, Ecosystem Restoration

PROJECT/STUDY NAME AND STATE: Red Clay Creek, Christina River Watershed, DE

AUTHORIZATION: Senate Committee on Environment and Public Works Resolution, dated October 29, 1997.

LOCATION: The Christina River Watershed is located in New Castle County in Delaware; Delaware, Chester, and Lancaster Counties in Pennsylvania; and Cecil County in Maryland. The watershed drains an approximate area of 565 square miles.

DESCRIPTION: This study will investigate opportunities for reducing flood damage, improving aquatic habitat, and improving water quality. Various solutions to address these issues at specific locations within the watershed will be considered in depth during the feasibility phase. Possible alternative solutions include riparian buffer enhancement, stream bank stabilization, natural stream channel restoration, construction of fish passages, wetland creation & restoration, and structural flood damage reduction measures.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility Study</u>
Estimated Federal Cost	\$1,300,000
Estimated Non-Federal Cost	\$1,300,000
Total Estimated Cost	\$2,600,000
Allocation thru 2008	\$ 749,000
Allocation for FY 2009	\$ 287,000
Allocation for FY 2010	\$ 237,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 27,000
Benefit to Cost Ratio @ 7 (%)	N/A

FY 2010 ACTIVITIES: FY2010 Feasibility Study activities include plan formulations and screening of alternatives (Cycles 1,2,3), development of the recommended plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011

OTHER INFORMATION: The current Feasibility Study is focusing primarily on Red Clay Creek within the State of Delaware.

CONGRESSIONAL INTEREST: Senators Kaufman and Carper (DE), Representative Castle (DE-AL)

DISTRICT: Philadelphia

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Stony Brook, Millstone River Basin, NJ

AUTHORIZATION: Resolution of the Committee on Transportation and Infrastructure of the House of Representatives, adopted 5 August 1999.

LOCATION: The study area includes the entire Millstone River, which includes the Stony Brook sub basin. The Millstone River Basin is located in north-central New Jersey, halfway between Philadelphia and New York City.

DESCRIPTION: The Millstone River Basin, a major tributary of the Raritan River, is 238-square miles and is located in portions of Mercer, Middlesex, Monmouth, Hunterdon, and Somerset Counties. The Stony Brook, the largest tributary to the Millstone River, is located near Princeton Township, New Jersey. This sub-basin has a drainage area of 56 square miles.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$3,400,000
Estimated Non-Federal Cost	3,400,000
Total Estimated Cost	\$6,800,000
Allocation thru FY 2008	\$1,039,000
Allocation for FY 2009	119,000
Allocation for FY 2010	152,000
Recovery Act Allocation to Date	0
Balance to complete after FY 2010	\$2,090,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue feasibility phase of the study, including data gathering and analyses, screening of alternatives, plan formulation and environmental scoping efforts.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase completion to be determined, subject to availability of funds.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Representatives Leonard Lance (NJ-7) and Russ Holt (NJ-12); Senators Menendez (NJ) and Lautenberg (NJ).

DISTRICT: New York

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Susquehanna River Basin Low Flow Management and Environmental Restoration Project, MD, PA, and NY

AUTHORIZATION: Section 729 of WRDA 1986, as amended by Section 202 of WRDA 2000 and Section 2010 of WRDA 2007

LOCATION: The Susquehanna River Basin drains an area of 27,500 square miles, covering half of Pennsylvania, and portions of New York and Maryland. This landmass encompasses over 43% of the Chesapeake Bay's total drainage area.

DESCRIPTION: While the basin is noted as one of the most flood-prone in the Nation, there is increasing concern over the growing demand for water as the population of 4.1 million people continues to grow. Census estimates predict a population increase of more than 16% over the next 20 years. Consumptive water use continues to increase throughout the basin with sector uses of power production, municipal supplies, and agriculture sharing the highest demand. With the pressures of suburban sprawl surrounding population centers, and increases in consumptive use, there is a need to address low flow issues and the increasing demand on the water resources of the basin. The opportunity exists now to address strategies to pool and release water to offset the growing demands and consumptive uses of water in the basin. To that end, it would be useful to examine low flow release schemes for available water supplies, environmental restoration and flows to better sustain aquatic habitat and conservation strategies to offset the rising demands.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	
	<u>Reconnaissance</u>	<u>Feasibility</u>
Estimated Federal Cost	\$332,000	\$286,000
Estimated Non-Federal Cost	0	95,000
Total Estimated Study Cost	\$332,000	\$381,000
Allocation thru FY 2008	\$332,000	\$ 0
Allocation for FY 2009	0	67,000
Allocation for FY 2010	0	90,000
Balance to Complete After FY 2010	0	\$129,000
Remaining Benefits Remaining Costs Ratio (7%)		N/A

FY 2010 ACTIVITIES: Continuation of the 27-month low flow management study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011 – Final Section 729 Feasibility Report, March 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Cardin and Mikulski (MD), Casey and Specter (PA) and Schumer and Gillibrand (NY); Representatives Kratovil (MD-01), Ruppertsberger (MD-02), Thompson (PA-05), Bartlett (MD-06), Shuster (PA-09), Carney (PA-10), Kanjorski (PA-11), Pitts (PA-16), Holden (PA-17), Platts (PA-19), Murphy (NY-20), Arcuri (NY-24), and Massa (NY-29)

DISTRICT: Baltimore

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME AND STATE: Upper Delaware River Watershed, Floodplain Reconnection, NY

AUTHORIZATION: U.S. House of Representatives, Committee on Transportation and Infrastructure Resolution No. 2495, Upper Delaware River Watershed, NY adopted May 9, 1996.

LOCATION: The study area is located in southeastern New York about 45 miles southwest of Albany, N.Y.

DESCRIPTION: It encompasses the Delaware River, its tributaries and four major sub-basins. Initial impetus for the study was the January 1996 storm event which caused over \$15 million in damages in Delaware County alone. Consecutive major floods in September 2004, April 2005 and June 2006, again caused devastation along the main stem Delaware River and its tributaries, repeatedly damaging property and disrupting tens of thousands of lives. The Corps and the Nature Conservancy are looking to reduce flood damages and improve the environment by reconnecting the Delaware River to its floodplain where possible and most beneficial.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility Study</u> ^{1/}
Estimated Federal Cost	\$1,000,000
Estimated Non-Federal Cost	\$1,000,000
Total Estimated Cost	\$2,000,000
Allocation thru 2008	\$ 100,000 ^{2/}
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 90,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 810,000
Benefit to Cost Ratio @ 7%	N/A

1/ Reconnaissance study was completed under the Upper Delaware River Watershed, NY project.

2/ \$100,000 withheld at HQ until review plan is posted.

FY2010 ACTIVITIES: Coordinate requirements with non-Federal Sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined due to uncertainty of funding.

OTHER INFORMATION: The Nature Conservancy currently has insufficient funds to initiate sponsorship.

CONGRESSIONAL INTEREST: Senators Gillibrand and Schumer (NY), Representatives Hall (NY-19), Murphy (NY-20), and Hinchey (NY-22)

DISTRICT: Philadelphia

Construction

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Restoration

PROJECT NAME: Chesapeake Bay Environmental Restoration and Protection Program, MD, VA, and PA.

AUTHORIZATION: Section 510 of Water Resources Development Act (WRDA) of 1996, as amended by Energy and Water Development Appropriations Act of 2004, 117 Stat. 1830, and Section 5020 of the Water Resources Development Act (WRDA) of 2007.

LOCATION: Projects are located in MD, VA, and PA within the Chesapeake Bay Estuary.

DESCRIPTION: The Corps provides design and/or construction assistance under this program. The following are completed projects: in 2001, the Rappahannock River Oyster Restoration at a total cost of ~\$852,000; in 2003, the Tylerton Shoreline Protection on Smith Island, MD at a total cost of ~\$2,597,000; in 2005, the Scranton, PA Wastewater Treatment Plant (WWTP) upgrade design report at a total cost of ~\$273,000; in 2009, the Programmatic Environmental Impact Statement for introduction of non-native oyster species into the Chesapeake Bay at a total cost of ~\$4,000,000.

In 2009, the WWTP upgrades at Milton, PA and Curwensville, PA were scoped as project candidates but, based on coordination with the non-Federal sponsor, will not be pursued under this program. The following projects are on-hold pending non-federal sponsor actions/funding: (1) Upgrading WWTPs at Tylerton and Ewell on Smith Island, MD. (2) Restoring wetlands and constructing a trash interceptor at Warner Street along the Middle Branch of the Patapsco River in Baltimore City, MD. The interceptor was completed in 2006, however, initiating a design agreement for the wetlands is on-hold pending the City's finalizing site development plans and removal of contaminated soils; (3) Constructing ~5,200 linear feet shoreline protection consisting of twelve breakwaters and a stone revetment at Taylor's Island/Punch Island Road, MD at the confluence of the Little Choptank River and the Chesapeake Bay. The stone revetment and six breakwaters (phase I) were completed in 2008, construction of the remaining six breakwaters (phase II) at ~\$3,000,000 will occur when non-Federal sponsor funding is available.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$40,000,000
Estimated Non-Federal Cost	\$13,333,000
Cash	\$ 9,533,000
Other	\$ 3,800,000
Total Estimated Cost	\$53,333,000
Allocation Thru FY 2008	\$10,332,000
Allocation for FY 2009	\$ 814,000
Allocation for FY 2010	\$ 630,000
Balance to Complete after FY 2010	\$ 28,224,000
Benefit to Cost Ratio at 7% - N/A	

FY 2010 ACTIVITIES: Funds in the amount of \$ 275,000 will be used for: (1) Program administration and continuation of state and local agency coordination necessary to identify, prioritize, and begin scoping projects that support the strategies and initiatives stemming from the May 2009 Executive Order on Chesapeake Bay restoration and protection (\$75,000); (2) Project scoping reports and Design Agreements (DAs) or design/construction Project Partnering Agreements (PPAs) will be initiated for stream restoration at Powder Mill Run in Baltimore City, MD (\$50,000); submerged aquatic vegetation restoration in the Chesapeake Bay and Virginia tributaries (\$50,000); environmental support to WWTP/facilities in the City of Richmond, VA (\$50,000); and environmental support to WWTP/facilities in Buckingham County, VA (\$50,000).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimum funding, identified projects could be completed in FY 2013.

OTHER INFORMATION: The current Federal authorization cost limit is \$40,000,000. The three Virginia projects identified above under FY 2010 activities will be executed by the Norfolk District.

CONGRESSIONAL INTEREST: Senators Cardin and Mikulski (MD), Casey and Specter (PA), Warner and Webb (VA); and Representatives Kratovil (MD-01), Sarbanes (MD-03), Thompson (PA-5), Carney (PA-10), Kanjorski (PA-11), Wittman (VA-01), Nye (VA-2), Scott (VA-3), and Forbes (VA-4)

DISTRICT: Baltimore

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Lake Champlain Watershed, Vermont and New York (Lake Champlain Watershed Initiative)

AUTHORIZATION: Section 542, WRDA 2000 (P.L. 106-541)

LOCATION: The project area encompasses the Lake Champlain watershed, in NY & VT

DESCRIPTION: Major tributaries include the Winooski River in Vermont and the Saranac River in New York. The basin is experiencing environmental degradation problems that are to be addressed in a comprehensive approach. The effort will complement State and local efforts in pollution prevention, control, and restoration.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$20,000,000
Estimated Non-Federal Cost	\$10,800,000
Cash	\$1,800,000
Other	\$9,000,000
Total Estimated Cost	\$30,800,000
Allocation thru FY 2008	\$4,204,000
Allocation for FY 2009	\$957,000
Allocation for FY 2010	\$920,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$13,919,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to fund construction and complete designs for 3 projects and initiate implementation of 3-5 additional projects.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project construction completion to be determined, subject to availability of funds.

OTHER INFORMATION: The GMP lays out a framework to address pollution prevention, control, and environmental restoration. Under this program, individual projects are identified, prioritized, and certified by individual states for implementation. The cost sharing is 65% Federal and 35% non-Federal.

CONGRESSIONAL INTEREST: Senators Patrick Leahy (VT), Bernie Sanders (VT), Gillibrand (NY), Schumer (NY); Representative John McHugh (NY-23)

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental

PROJECT NAME: Sandyford Run Wetland Creation, PA Section 566

AUTHORIZATION: Section 566 of the Water Resources Development Act of 1996 (Public Law No. 104-303).

LOCATION: The project is located in northeast Philadelphia within the Pennypack Creek Watershed.

DESCRIPTION: The creation of a wetland along Sandyford Run would retain stormwater reducing downstream peak flows, improve water quality and enhance the aesthetic value within the watershed. Wetlands assist in mitigating the stress of organic enrichment, low dissolved oxygen and high metal concentration and in particular aid in addressing water quality impacts from multiple combined sewer outfalls along Sandyford Run.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>FY 2010 Design/Construction</u>
Estimated Federal Cost	\$1,600,000
Estimated Non-Federal Cost	\$ 533,000
Total Estimated Project Cost	\$2,133,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 242,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete After FY 2010	\$1,358,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Preliminary assessment, negotiation of a design cost sharing agreement, and the initiation of an environmental assessment to determine the recommended design for the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: The City of Philadelphia, Water Department will be the non-Federal sponsor.

CONGRESSIONAL INTEREST: Senator Specter, Senator Casey and Rep Brady (PA-01)

DISTRICT: Philadelphia

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental

PROJECT NAME: Section 566 - PA Ecological Improvements to Tacony Creek, Philadelphia, PA

AUTHORIZATION: Section 566 of the Water Resources Development Act of 1996 (Public Law No. 104-303).

LOCATION: The project entails the restoration of a segment of Tacony Creek, using a natural stream-channel design approach including reshaping the creek banks and bottom to slow water flow, encourage aquatic life, and help stormwater infiltrate the floodplain and surrounding land.

DESCRIPTION: Boulders and stones will be secured along the stream banks to prevent future erosion and simulate natural habitat for aquatic plants, insects and fish. Rock formations of various shapes will be placed in the stream in order to slow water flow and redirect it away from erosion-prone areas. These will also be used to protect the existing wastewater infrastructure that runs along the edges of the creek. Pennsylvania native trees, shrubs and grasses will be planted along the edge of the creek to help prevent erosion, stabilize streambanks, increase shade, absorb rainwater, filter pollutants from stormwater runoff, and provide habitat for wildlife.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$1,896,600
Estimated Non-Federal Cost	\$ 632,200
Total Estimated Project Cost	\$2,528,800
Allocation thru FY 2008	\$ 18,000
Allocation for FY 2009	\$ 210,600
Allocation for FY 2010	\$ 388,000
Recovery Act Allocations To Date	\$1,280,000
Balance to Complete After FY10	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete independent technical review and BCOE, award construction contract and initiate construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: The City of Philadelphia, Water Department will be the non-Federal sponsor.

CONGRESSIONAL INTEREST: Senator Specter, Senator Casey and Rep Brady (PA-01)

DISTRICT: Philadelphia

Continuing Authorities Program

FACT SHEET
SECTION 1135 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP – Environment

PROJECT/ STUDY NAME: Broad Meadows Marsh, Quincy, Massachusetts

AUTHORIZATION: Section 1135, 1986 Water Resources Development Act, as amended.

LOCATION: Broad Meadows Marsh is located south of Boston Harbor in the city of Quincy, Massachusetts.

DESCRIPTION: Broad Meadows Marsh has experienced severe aquatic degradation due to the placement of dredged materials from the Federal navigation project at Town River. Approximately 110 acres of salt marsh were filled between 1935 and 1956. Subsequently, the City developed about 36 acres of the filled area as part of the Broad Meadows School site, DPW Maintenance Yard and the Quincy Youth Hockey Rink. Approximately 37 acres of salt marsh habitat and 12 acres of saltwater channels and pools could be restored by grading to salt marsh elevations and excavating a new network of creeks to improve the marsh's tidal exchange. The saltwater pools would provide a refuge for marine life during periods of low tide. Excavated material would be used to create a coastal grassland area.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	360,000	4,640,000
Estimated Non-Federal Cost	0	1,040,000
Cash	(0)	(1,040,000)
Other	(0)	(0)
Total Estimated Project Cost	360,000	6,170,000
Allocation thru FY 2008	360,000	3,560,000
Allocation for FY 2009	0	200,000
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	780,000
Balance to Complete After FY 2010	0	100,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: FY 2010 funds, along with planned FY 2009 carryover of \$3,100,000, were used to award a base bid contract with options on 24 August 2009 to construct environmental restoration measures. Work is scheduled to begin in January 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete project construction in FY 2011.

OTHER INFORMATION: The Final Detailed Project Report, Environmental Assessment and Finding of No Significant Impacts (FONSI) were signed on 17 June 2004. The project was approved for construction by CENAD on 3 August 2004. A Project Partnership Agreement was signed with the City of Quincy, Massachusetts on 5 August 2008.

CONGRESSIONAL INTEREST: Senators Kirk (MA) & Kerry (MA), and Representative Delahunt (MA-10)

DISTRICT: New England

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Codorus Creek

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: York County, PA

DESCRIPTION: The Codorus Creek watershed is a sub-watershed of the Lower Susquehanna River Basin located in south-central Pennsylvania. Codorus Creek represents the primary watershed in York County, PA, and extends from the lower south-west corner of the county, near Stateline, Maryland, northeast to the Susquehanna River in Saginaw. The watershed has an area of 279 square miles and is located within one of the most rapidly growing areas in the Susquehanna River Basin. Major growth areas in the watershed include all of York County, the greater York (City) urbanizing area, and south-central York urbanizing area, near Shrewsbury, PA. Because of its proximity to Harrisburg, PA, and Baltimore, MD, the Codorus Creek watershed has experienced high developmental pressures. Environmental degradation of once pristine streams is a consequence of this development. The rapid urbanization and change in hydrological regime has been a principal contributor to the degraded watershed. In order to improve in-stream habitat, the U.S. Army Corps of Engineers (USACE) will investigate the potential to design a natural stream channel that can be compatible with the ongoing watershed improvements and continued growth in the region. The total project cost estimate is \$9.9 million. The sponsor has agreed to cost share more than the required 35 percent in order to fully implement the recommended plan.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	FY 2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$774,500	4,225,500
Estimated Non-Federal Cost		4,854,000
Cash		
Other		
Total Estimated Cost	\$774,500	\$9,079,500
Allocation thru 2008		0
Allocation for FY 2009		0
Allocation for FY 2010		0
Balance to Complete after FY 2010		\$4,225,500
Benefit to Cost Ratio at 7%		N/A

FY 2010 ACTIVITIES: None. Due to the recession, York County decided that they could not make a financial commitment to the project in FY10. FY12 is the earliest they expect to be able to execute a Project Partnership Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Following execution of a Project Partnership Agreement in FY12, work on the Plans and specifications will be initiated. The plans and specifications will be completed in F13 and construction will be completed in FY15.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Specter and Case (PA); Representative Platts (PA-19)

DISTRICT: Baltimore

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Deep Run/Tiber Hudson, MD

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: Howard County, MD

DESCRIPTION: The original recommended plan called for the construction of 12 projects. These included: two storm water management ponds, three wetland creation sites, and seven stream restoration sites. However, the non-Federal sponsor was unable to obtain the real estate for most of these projects. The current plan is to design and construct Site DRTKT101 which is one of the stream restoration sites which the non-Federal sponsor does have the required real estate for.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$ 799,200
Estimated Non-Federal Cost	430,300
Cash	0
Other	430,300
Total Estimated Cost	\$1,229,500
Allocation thru 2008	\$ 778,800
Allocation for FY 2009	0
Allocation for FY 2010	\$ 20,400
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: Following execution of the Project Partnership Agreement, plans and specifications will be completed and a construction contract will be awarded using non-Federal funds.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction could be completed in FY 2011.

OTHER INFORMATION: The existing Project Partnership Agreement must be modified and executed in order to restart design and to construct Site DRTKT101.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representative Sarbanes (MD-03)

DISTRICT: Baltimore

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Dog Island Shoals, MD

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: Worcester County, MD

DESCRIPTION: The Dog Island Shoals area is a large expanse of shallow water located at the southern end of Isle of Wight Bay in Worcester County, Maryland. This project was investigated as part of the Ocean City Water Resources Feasibility Study, and was completed in July 1998. Two of the primary needs identified during the study were the creation of bird habitat and restoration of salt marsh. Dog Island Shoals was selected as a prime location for both. The recommended plan combines the creation of three acres of upland island bird habitat and the creation of a minimum of three additional acres of salt marsh habitat with one six-acre geotextile tube-protected island. Initial project construction would include placing sand-filled geotextile tubes to enclose a six-acre site located on the Dog Island Shoal. As part of this initial project construction, three acres of the island would be filled to provide upland nesting habitat.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$1,700,000
Estimated Non-Federal Cost	915,000
Cash	0
Other	915,000
Total Estimated Cost	\$2,615,000
Allocation thru 2008	\$196,200
Allocation for FY 2009	10,000
Allocation for FY 2010	0
Balance to Complete after FY 2010	\$1,493,800
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: The project scope and budget will be reviewed and updated.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The non-Federal sponsor, the Maryland Department of Natural Resources has said that they would not be able to execute a Project Partnership Agreement with us until FY12 at the earliest. If the plans and specifications are initiated in FY12, they could be completed in FY13.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representative Kratovil (MD-01)

DISTRICT: Baltimore

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Greenbury Point, MD

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: Anne Arundel County, MD

DESCRIPTION: The U.S. Army Corps of Engineers (USACE), in partnership with the City of Annapolis, is studying wetland restoration opportunities along Greenbury Point in Anne Arundel County, Maryland. Greenbury Point is a peninsula of land at the mouth of the Severn River. Although the peninsula has helped protect Annapolis Harbor from coastal storm damage and wave energy, it has suffered severe erosion and wetland loss; with nearly 100 acres lost over the past 200 years. Since the 1880s, over 35 acres had eroded before the shoreline was hardened in the 1930s. The current shoreline remains hardened by older bulkhead/riprap on the eastern and southern portion of the point; however the western portion is relatively unprotected and heavily eroded. The study is exploring the utilization of dredged material from the nearby Severn River Federal Navigation Channel for tidal wetland construction/restoration. Approximately four acres will be restored based on potential project construction costs, which would be cost-shared, 65% Federal and 35% non-Federal.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$ 844,400	\$2,000,000
Estimated Non-Federal Cost	0	1,531,600
Cash		
Other		
Total Estimated Cost	\$844,400	\$3,531,600
Allocation thru 2008	327,400	0
Allocation for FY 2009	137,000	0
Allocation for FY 2010	380,000	0
Balance to Complete after FY 2010	\$ 0	\$2,000,000
Benefit to Cost Ratio at 7%		N/A

FY 2010 ACTIVITIES: Prepare preliminary designs, environmental benefits, and costs estimates. Pending identification of a viable design with sufficient environmental benefits, the study will proceed and a draft final feasibility report will be completed for submittal to the North Atlantic Division for review and approval during the 1st quarter of FY11.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Final Detailed Project Report could be approved by the North Atlantic Division in FY11. With optimum funding later in FY 2011, a Project Partnership Agreement could be executed, plans and specifications could be initiated and a construction contract could be awarded in FY13.

FURTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representative Kratovil (MD-01)

DISTRICT: Baltimore

FACT SHEET
Section 1135 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Lower Kingman Island, DC

AUTHORIZATION: Continuing Authorities Program, Section 1135 of the Water Resources Development Act of 1986, as amended

LOCATION: Washington, DC

DESCRIPTION: Heritage and Kingman Islands are located in Kingman Lake, near RFK Memorial Stadium, on the Anacostia River in Washington, DC. Both islands and Kingman Lake were constructed when the U.S. Army Corps of Engineers extensively dredged existing freshwater tidal marsh habitat from the 1920s through 1930s to create recreational opportunities for area residents. Since that time, the Anacostia River watershed became highly urbanized and has been identified by the Chesapeake Bay Program as a high priority area for environmental restoration. The project area would be planted with native woody and herbaceous vegetation, which will enhance habitat for native wildlife species. In addition, some minor recreational components will also be constructed, including hiking trails, and viewing platforms.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PDA</u>
Estimated Federal Cost	\$850,700
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$850,700
Allocation thru 2008	\$850,700
Allocation for FY 2009	0
Allocation for FY 2010	0
Balance to Complete after FY 2010	0
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: None. See Further Information below.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A. See Further Information below.

FURTHER INFORMATION: Work on this project stopped when the District of Columbia decided not to proceed with the USACE on the project due to objections with at least two of the standard clauses in the model Section 1135 agreement and due to the expected delays necessary to resolve these significant issues.

CONGRESSIONAL INTEREST: Representative Homes Norton (DC)

DISTRICT: Baltimore

FACT SHEET
SECTION 206 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Environmental

PROJECT/ STUDY NAME: Malden River Ecosystem Restoration, Malden, Medford & Everett, Massachusetts

AUTHORIZATION: Section 206 of the Water Resources Development Act of 1996, as amended.

LOCATION: Malden River is located 2 miles north of Boston and is situated within the cities of Malden, Medford and Everett, Massachusetts. The Malden River flows from Spot Pond through the cities of Malden, Medford and Everett to its confluence with the Mystic River.

DESCRIPTION: The Mystic Valley Development Commission (MVDC) is a tri-city legislative body established by the state and approved by the cities of Malden, Medford and Everett to address commonly shared issues such as land development and river restoration. The MVDC partnered with the U.S. Army Corps of Engineers (USACE) to conduct a feasibility study to determine possible ecosystem restoration efforts for the Malden River. A Feasibility Cost-Sharing Agreement (FCSA) was executed with MVDC on 15 October 2002. The feasibility study was funded under the Investigations Appropriation for Coastal Massachusetts Ecosystem Restoration, Massachusetts and Cape Cod Bays. Investigations funds were used to complete an interim feasibility study of environmental restoration measures including incremental analysis of environmental restoration alternatives, NEPA documentation and preparation of the interim feasibility report recommending project implementation under Section 206 authority.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Design & Implementation</u>
Estimated Federal Cost	5,000,000
Estimated Non-Federal Cost	3,000,000
Cash	(3,000,000)
Other	(0)
Total Estimated Project Cost	8,000,000
Allocation thru FY 2008	99,000
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	201,000
Balance to Complete After FY 2010	4,700,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to complete project design, including preparation of plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete project construction in FY 2012.

OTHER INFORMATION: This project was officially transferred from the Investigations Appropriation and approved for design and implementation under Section 206 by CENAD on 10 February 2009. A Project Partnership Agreement was signed with the MVDC on 8 October 2009. Federal costs are estimated to reach the statutory limit of \$5 million under Section 206 authority.

CONGRESSIONAL INTEREST: Senators Kirk (MA) & Kerry (MA), Representative Markey (MA-7)

DISTRICT: New England

FACT SHEET
SECTION 206 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Environmental

PROJECT/ STUDY NAME: Milford Pond, Milford, Massachusetts

AUTHORIZATION: Section 206, Aquatic Ecosystem Restoration, WRDA 1996, as amended.

LOCATION: Milford Pond is located along the Charles River in the Town of Milford, Massachusetts, about 25 miles southwest of Boston, Massachusetts.

DESCRIPTION: Milford Pond is a 120-acre shallow water body formed by a small masonry dam on the Charles River. The area beneath the pond was historically a swamp adjacent to the Charles River, which was inundated by the construction of the dam in 1938, partially in response to severe flooding in 1936 and 1938. The pond is extremely shallow due to sediment deposition and has an average depth of less than 2 feet. Sediment accumulation has resulted in the loss of open water habitat, degraded water quality and the proliferation of aquatic weed species. The town has proposed a dredging project to remove the accumulated sediments and restore a balanced diversity among open water, emergent marsh, and aquatic bed habitats. In addition to restoring the pond's fisheries habitat, the project will also improve wetland values, water quality and state-listed aquatic bird species habitat.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	270,000	4,730,000
Estimated Non-Federal Cost	0	3,130,000
Cash	(0)	(3,130,000)
Other	(0)	(0)
Total Estimated Project Cost	270,000	7,860,000
Allocation thru FY 2008	270,000	554,000
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	0
Balance to Complete After FY 2010	0	4,176,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Further efforts to negotiate a Project Partnership Agreement with the sponsor have been put on hold because of the uncertainty of local funding.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY 2012.

OTHER INFORMATION: The town completed a study in July 2000, which laid out a multi-component approach to improve Milford Pond and the Charles River Watershed. One of the components involves the removal of some 400,000 cubic yards of sediments to improve and restore the ecological health of Milford Pond. The town strongly supports the proposed sediment removal plan. The Preliminary Restoration Plan was approved by CENAD on 30 October 2001. Federal costs are estimated to reach the statutory limit of \$5 million under Section 206 authority.

CONGRESSIONAL INTEREST: Senators Kirk (MA) and Kerry (MA), & Representative Neal (MA-2)

DISTRICT: New England

FACT SHEET
SECTION 206 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Environmental

PROJECT/ STUDY NAME: Mill River, Stamford, Connecticut

AUTHORIZATION: Section 206, Aquatic Ecosystem Restoration, WRDA 1996, as amended.

LOCATION: The Mill River, also known as the Rippowam River, originates in New York and flows southerly through Connecticut and discharges into Stamford Harbor in Long Island Sound. The project area is the reach of the Mill River within the City of Stamford, Connecticut.

DESCRIPTION: The Mill River has been severely degraded by years of urban runoff, channel modifications and encroachment. The City is engaged in a multi-year effort to restore the aquatic ecosystem of the Mill River and reclaim and enhance open waterfront in the heart of the city. Main Street Dam prevents anadromous fish (river herring) from accessing upstream habitat, and the existing retaining walls impact the channel and prevents access to the river. The build-up of sediment behind Main Street Dam along with summer low flows adversely impact river habitat. The project involves removal of the Main Street Dam, accumulated sediment, and adjoining retaining walls to restore riverine and riparian habitats. The partially breached dam at Pulaski Street will also be removed to restore an area of inter-tidal marsh. The project will also reduce the risk of flood damage in downtown Stamford.

SUMMARIZED FINANCIAL DATA:

	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	365,000	4,635,000
Estimated Non-Federal Cost	0	3,235,000
Cash	(0)	(3,235,000)
Other	(0)	(0)
Total Estimated Project Cost	365,000	7,870,000
Allocation thru FY 2008	365,000	4,570,000
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	65,000
Balance to Complete After FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: A fully funded contract to restore the Mill River in Stamford, Connecticut was awarded on 30 September 2008. FY 2010 funds are being used to perform contract administration and supervision of ongoing construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete project construction in FY 2011.

OTHER INFORMATION: The Feasibility Report was approved by CENAD on 20 September 2004. A Project Cooperation Agreement was signed on 23 June 2008 between the Corps and the City of Stamford, Connecticut. Federal costs have reached the statutory limit of \$5 million under Section 206 authority.

CONGRESSIONAL INTEREST: Senators Dodd (CT) & Lieberman (CT), Representative Himes (CT-4)

DISTRICT: New England

FACT SHEET
SECTION 1135 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Mordecai Island Coastal Wetlands Restoration, Ocean County, NJ

AUTHORIZATION: Section 1135, Water Resources Development Act of 1986, as amended.

LOCATION: Mordecai Island is located west of the Long Beach Island near Beach Haven Borough, New Jersey and is adjacent to the New Jersey Intracoastal Waterway (NJIWW), the main navigation channel of Barnegat Bay.

DESCRIPTION: Mordecai Island is composed of widespread areas of salt marsh and varying degrees of exposed sod or grass-covered slopes. Large areas of submerged aquatic vegetation, consisting primarily of eelgrass, are located off the southwestern edge of the island. The entire coastline of Mordecai Island has suffered from erosion; however, the western edge, adjacent to the NJIWW, has receded at a more substantial rate on the order of 3-6 feet per year. Continued erosion of the island threatens an abundant diversity of natural wildlife habitats that provide breeding, foraging, nesting and resting areas for many species of migratory birds, including shorebirds, wading birds, raptors and wildfowl. Over 20 bird species have been observed on Mordecai Island. Residents of the island include American bittern and black skimmer, state-listed endangered species, and black-crowned night heron, a state-listed threatened species. A wooden breakwater will be built approximately 200' offshore of the island to reduce wave impact and erosion.

SUMMARIZED FINANCIAL DATA:

	FY2010 <u>Design & Implementation</u>
Estimated Federal Cost	\$2,289,000
Estimated Non-Federal Cost	\$ 763,000
Total Estimated Cost	\$3,052,000
Allocation thru FY08	\$ 789,000
Allocation for FY09	\$ 0
Allocation for FY 2010	\$1,500,000 1/
Recovery Act Allocation to Date	\$ 0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	\$ N/A

1/ Funds are pending until a Project Partnership Agreement is executed.

FY2010 ACTIVITIES: Negotiate and execute the Project Partnership Agreement using prior year funds. Funds will be used to finalize the plans and specs and award the construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete Construction in FY 2011.

OTHER INFORMATION: Mordecai Land Trust and the New Jersey Department of Environmental Protection Bureau of Coastal Engineering are co-sponsors of this project. Mordecai Land Trust, Inc., a New Jersey non-profit organization formed in 2001 to take title of Mordecai Island, was formed solely to preserve and protect Mordecai Island.

CONGRESSIONAL INTEREST: Rep. Saxton (NJ-3)

DISTRICT: Philadelphia

FACT SHEET
SECTION 206 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Environmental

PROJECT/ STUDY NAME: Narrow River, Narragansett, Rhode Island

AUTHORIZATION: Section 206 of the Water Resources Development Act of 1996, as amended.

LOCATION: The Narrow River, also known as Pettaquamscutt River, is a seven-mile long estuary located near the entrance to the West Passage of Narragansett Bay. The estuary's inlet and its eastern side are located in Narragansett, Rhode Island. The west side of the estuary is located in South Kingstown and the northern portion is located in North Kingstown, Rhode Island.

DESCRIPTION: Most of the Narrow River estuary is shallow, generally 3 to 5 feet deep, and has a constricted tidal inlet. This study will investigate measures to restore eelgrass, shellfish, waterfowl, and finfish habitats and salt marshes, focusing primarily on the lower estuary. Ecosystem restoration measures to be investigated include dredging, planting, and methods to reduce erosion and sediment accumulation. Dredged sand may be placed along Narragansett Beach to allow the sand to remain in the littoral system.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	440,000	3,018,000
Estimated Non-Federal Cost	0	1,862,000
Cash	(0)	(1,862,000)
Other	(0)	(0)
Total Estimated Project Cost	440,000	4,880,000
Allocation thru FY 2008	440,000	134,000
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	0
Balance to Complete After FY 2010	0	2,884,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Available carry-in of \$76,000 is being used to complete the feasibility study in July 2010. Efforts include plan formulation and evaluation, cost estimating, as well as preparation of an Environmental Assessment and final Feasibility Report. Upon approval of the Feasibility Report, available Design and Implementation funds of \$50,000 will be used to negotiate a Project Partnership Agreement (PPA) with the sponsor. Remaining funds will be carried-over into FY 2011 and used to complete project design, after signing of the PPA.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete the feasibility study in FY 2010 and project construction in FY 2012.

OTHER INFORMATION: The Preliminary Restoration Plan was approved by CENAD on 13 September 2004.

CONGRESSIONAL INTEREST: Senators Reed (RI) & Whitehouse (RI), Representative Langevin (RI-2)

DISTRICT: New England

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: North Beach Wetland Restoration, MD

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: Town of North Beach, Calvert County, MD

DESCRIPTION: North Beach is located in the northeastern corner of Calvert County, Maryland, approximately 32 miles southeast of Washington, DC on the western shore of the Chesapeake Bay. The town includes 3,000 feet of shoreline and is bounded by Anne Arundel County on the north and by the town of Chesapeake Beach on the south. Although North Beach is primarily residential, it has had a recent increase in tourism and recreation. A U.S. Army Corps of Engineers (USACE) Section 22, Planning Assistance to States Study identified a significant problem involving the degradation of the 440-acre salt marsh in the northern section of the town. The marsh at North Beach has been identified as an important Black Duck stopover, one of the few remaining on the western shore of Maryland. However, the marsh is becoming severely degraded from nearby development, altered hydrology and poor drainage. The marsh hydrology is constricted by the culvert at MD Route 261. The USACE is pursuing a project to restore a more natural hydrologic regime and enhance the existing 440-acre salt marsh.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>FY 2010 Design & Implementation</u>
Estimated Federal Cost	\$ 750,400	\$1,000,000
Estimated Non-Federal Cost	0	942,000
Cash		0
Other		942,000
Total Estimated Cost	\$ 750,400	\$1,942,000
Allocation thru 2008	\$ 418,400	0
Allocation for FY 2009	200,000	0
Allocation for FY 2010	132,000	0
Balance to Complete after FY 2010	0	\$1,000,000
Benefit to Cost Ratio at 7%		N/A

FY 2010 ACTIVITIES: Prepare preliminary designs, environmental benefits, and cost estimates. Pending identification of a viable design with sufficient environmental benefits, the study will proceed toward identification of a recommended alternative.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete the feasibility study in FY11.

FURTHER INFORMATION: Considering the importance of the project to the non-Federal sponsor, the project was initiated in 2001 and has been delayed and inactive for five years due to funding limitations within the Section 206 authority. The project is being considered for conversion to the Section 510 Authority pending the outcome of the preliminary investigation.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representative Hoyer (MD-05)

DISTRICT: Baltimore

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Northwest Branch, Anacostia River, MD

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: Anacostia River, MD

DESCRIPTION: The Anacostia River basin is a 170-square mile watershed within the State of Maryland and District of Columbia. The project plan consists of a \$7-million stream restoration project, involving 11 restoration areas. The project contains three types of actions: stream restoration, riparian buffer enhancement, and vernal pool restoration. The proposed actions are designed to improve community habitat conditions not just at the specific site of construction, but also for the surrounding natural resources. Restoration activities include: (1) enhancing vernal pools, (2) enhancing the stream buffer by restricting livestock access, (3) planting riparian buffers, (4) stabilizing eroding stream banks, (5) adding in-stream habitat structures, (6) enhancing in-stream and edge habitat, and (7) improving fish passage.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Design & Implementation</u>
Estimated Federal Cost	4,550,000
Estimated Non-Federal Cost	2,450,000
Cash	1,800,000
Other	650,000
Total Estimated Cost	4,550,000
Allocation thru 2008	1,985,000
Allocation for FY 2009	0
Allocation for FY 2010	2,400,000
Balance to Complete after FY 2010	165,000
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: One construction contract will be awarded; plans and specifications will be completed for a second construction contract; construction of the 11 restoration sites will be initiated.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction could be completed in December 2011. Project monitoring could be completed in December 2015.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representatives Hoyer (MD-05), Van Hollen (MD-08), Edwards (MD-04) and Norton (DC)

DISTRICT: Baltimore

FACT SHEET
SECTION 206 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Environmental

PROJECT/ STUDY NAME: Osgood Pond, Milford, New Hampshire

AUTHORIZATION: Section 206, Aquatic Ecosystem Restoration, WRDA 1996, as amended.

LOCATION: Osgood Pond is located in the Town of Milford in south central New Hampshire. This 26-acre pond is located on Town-owned parkland and is surrounded by an additional 24 acres of complex wetlands, and is the largest water body in the Town.

DESCRIPTION: The ecosystem of Osgood Pond has degraded from excess sedimentation as a result of upstream impacts, including large scale quarry operations. The effects on the pond's ecosystem include degradation of fisheries habitat and a proliferation of aquatic vegetation growth and organic material buildup. The approved project restores approximately 15 acres of Osgood Pond to up to ten feet deep by hydraulically dredging 123,000 cubic yards of sediments from the pond. A portion of the dredged material will be used to restore an adjacent public park and Town-owned ball field. Another portion of the dredged material will be used to restore approximately 13 acres of wetlands and 17 acres of riparian area within an abandoned 200-acre sand and gravel quarry now owned by the Town of Milford. The 15 acres of restored open water aquatic habitat will also restore the effectiveness of 49 acres of waterfowl habitat associated with the pond and adjoining wetlands.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	255,000	1,240,000
Estimated Non-Federal Cost	0	805,000
Cash	(0)	(805,000)
Other	(0)	(0)
Total Estimated Project Cost	255,000	2,045,000
Allocation thru FY 2008	255,000	0
Allocation for FY 2009	0	50,000
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	100,000
Balance to Complete After FY 2010	0	1,090,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Planned FY 2009 carryover funds of \$50,000 are being used to negotiate and sign a Project Partnership Agreement (PPA) with the Town of Milford in April 2010. Upon execution of the PPA, FY 2010 funds will be used to initiate and complete design of ecosystem restoration measures.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Judd (NH) & Shaheen (NH), Representative Hodes (NH-02)

DISTRICT: New England

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Paint Branch Fish Passage and Stream Restoration, MD

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: Prince George's County, MD

DESCRIPTION: The Paint Branch Fish Passage and Stream Restoration Project is located in the Anacostia River watershed in Prince Georges County, Maryland. This watershed has been identified by the Chesapeake Bay Program as one of three restoration priorities in the Chesapeake Bay watershed. In recognition of this priority, the Governor of the State of Maryland, the mayor of Washington, D.C., and the County Executives of both Montgomery and Prince George's Counties in Maryland, signed the Anacostia Watershed Restoration Agreement (AWRA) in 1987; outlining a six-point action plan for restoring the Anacostia River watershed. The primary objectives include 1) reduction of pollution loads, 2) restoration of ecological integrity, 3) improvement of fish passage, 4) increase in wetland acreage, 5) expansion of forest cover, and 6) increase in public and private participation and stewardship.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>Design & Implementation</u>	<u>Monitoring</u>
Estimated Federal Cost	\$ 453,500	\$2,657,000	\$ 28,100
Estimated Non-Federal Cost		1,669,500	15,200
Cash			
Other			
Total Estimated Cost	\$ 453,500	\$4,326,500	\$43,300
Allocation thru 2008	\$ 453,500	\$2,657,000	0
Allocation for FY 2009	0	0	0
Allocation for FY 2010	0	0	0
Balance to Complete after FY2010	0	0	28,100
Benefit to Cost Ratio at 7%			N/A

FY 2010 ACTIVITIES: Project plans and Specification will be completed. Real estate acquisition by the non-Federal sponsor will delay advertisement of the construction contract until FY11.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project plans and specifications will be completed in FY 2010, construction contract could be awarded in FY 2011 with carryover funds and completed in FY 2012.

FURTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representatives Hoyer (MD-05), and Edwards (MD-04)

DISTRICT: Baltimore

FACT SHEET
SECTION 1135 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Pine Mount Creek Habitat Restoration, Cumberland County, NJ

AUTHORIZATION: Section 1135 of WRDA 1986, as amended.

LOCATION: Tributaries of the Cohansey River one mile upstream of the Delaware Bay.

DESCRIPTION: This project is examining the restoration of a dike on Pine Mount Creek and repair of a dike on Mill Creek for the creation of wildlife management areas along the Cohansey River. The Cohansey River is the site of a shallow draft Federal navigation channel. Approximately 60 acres of wetlands were lost to dredged material disposal activities during the operation of this Federal navigation channel. This project will restore the environment by providing a high quality wildlife management area for the New Jersey Division of Fish & Wildlife.

SUMMARIZED FINANCIAL DATA

	FY2010	
	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$478,200	\$4,472,000
Estimated Non-Federal Cost	\$ 0	\$1,666,000
Total Estimated Project Cost	\$478,200	\$6,138,000
Allocation thru FY08	\$478,200 1/	\$ 50,000
Allocation for FY09	\$ 0	\$ 90,000
Allocation for FY2010	\$ 0	\$ 200,000 2/
Recovery Act Allocation to Date	\$ 0	\$ 0
Balance to Complete After FY10	\$ 0	\$4,132,000
Benefit to Cost Ratio @ 7%		\$ N/A

1/ \$478,200 Feasibility costs will be cost shared in the Project Partnership Agreement (PPA).

2/ Funds are pending until a Project Partnership Agreement is executed.

FY2010 ACTIVITIES: Complete the feasibility study and negotiate a draft PPA with prior year funding. FY 2010 funds will be used to complete the plans and specs.

EARLIEST ATTAINABLE COMPLETION FOR FY PHASE: Complete plans and specs in FY 2011.

OTHER INFORMATION: The draft feasibility report will be completed in FY10 and will evaluate an additional alternative plan of repairing the existing dike at the mouth of Mill Creek for similar ecological benefits as Pine Mount Creek. The NJDEP Division of Fish and Wildlife has withdrawn from the project as the non-Federal sponsor. Greenwich Township has expressed a willingness to act as a non-federal sponsor for the project. FY10 funds would be used to complete the plans and specs.

CONGRESSIONAL INTEREST: Senators Lautenberg and Menendez (NJ), Representative LoBiondo (NJ-02)

DISTRICT: Philadelphia

FACT SHEET
SECTION 1135 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Pond Creek Salt Marsh Restoration Project, Cape May, NJ

AUTHORIZATION: Section 1135 of WRDA 1986, as amended.

LOCATION: Pond Creek is located adjacent to the Delaware Bay in Lower Township and the Borough of West Cape May, Cape May County, New Jersey. Pond Creek is located within the Higbee Beach Wildlife Management Area.

DESCRIPTION: The goal of the proposed restoration project is to restore Pond Creek to an estuarine intertidal emergent marsh, dominated by native species such as saltmeadow cordgrass (*Spartina*). This will be accomplished by reducing common reed (*Phragmites australis*), which is the current dominate vegetation at Pond Creek. Implementation of the project goal will be accomplished by reestablishing daily tidal inundation to an increased amount of marsh at Pond Creek. Specifically, a new 920-foot-long channel with a bottom width of 20 feet will be constructed. The proposed new creek length would be approximately 920 ft from Delaware Bay to a newly constructed water-control structure. The new creek alignment would be consistent with previous historical locations of Pond Creek. The water control structure would be located in the middle of the north spoil pile and would be approximately 17 ft high and 40 ft wide. The proposed structure would be composed of four box culverts with gates on each to control the amount of water entering the marsh. When completed, the elevation of the completed water control structure will be 1.3 ft higher than the water surface elevation of the 500-year Delaware Bay storm, but would allow daily inundation of approximately 170 acres of *Phragmites* salt marsh.

SUMMARIZED FINANCIAL DATA:

	FY2010	
	<u>Design & Implementation</u>	
Estimated Federal Cost	\$1,651,000	
Estimated Non-Federal Cost	\$ 550,000	
Total Estimated Project Cost	\$2,201,000	
Allocation thru FY08	\$ 120,000	
Allocation for FY09	\$ 0	
Allocation for FY2010	\$1,531,000	1/
Recovery Act Allocation to Date	\$ 0	
Balance to Complete After FY10	\$ 0	
Benefit to Cost Ratio @ 7%	\$ N/A	

1/ Funds are pending until a Project Partnership Agreement is executed.

FY2010 ACTIVITIES: FY10 funds pending an executed Project Partnership Agreement with prior year carry-in funds. Funds (\$1,531,000) will be used to award the construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY2011.

OTHER INFORMATION: New Jersey Department of Environmental Protection is the non-federal sponsor. The Environmental Assessment has been completed for this project. Drinking water well testing will be completed by USGS, a partnering agency on the project, prior to construction and also after project construction is completed.

CONGRESSIONAL INTEREST: Senators Lautenberg and Menendez (NJ), Representative LoBiondo (NJ-02)

DISTRICT: Philadelphia

FACT SHEET
SECTION 1135 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Restoration of Grassdale, New Castle County, DE

AUTHORIZATION: Section 1135 of WRDA 1986, as amended.

LOCATION: The project will restore degraded marsh along the eastern end of the Chesapeake and Delaware Canal, continuing north through the area surrounding the Grassdale Center, and across to the Delaware City branch channel, near Delaware City, Delaware.

DESCRIPTION: Hundreds of acres of marsh were excavated and channelized to create the Chesapeake and Delaware Canal in the early 20th century. The C&D Canal has been operated and maintained by the US Army Corps of Engineers, Philadelphia District, since 1919. The canal was widened, straightened, and deepened, dikes were created, and tide/flap gates were installed. These changes, especially the decreased in tidal flow, created ideal conditions for a highly-invasive reed, *Phragmites*. This project will restore 82 acres of degraded tidal marsh habitat by re-establishing tidal flow, stabilizing eroding embankments, creating open water areas with shallow water habitats, and controlling approximately 46 acres of *Phragmites*.

SUMMARIZED FINANCIAL DATA:

	FY2010	
	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$675,000	\$2,832,000
Estimated Non-Federal Cost	\$ 0	\$1,169,200
Total Estimated Project Cost	\$675,000	\$4,001,200
Allocation thru FY08	\$675,000 1/	\$ 0
Allocation for FY09	\$ 0	\$ 125,000
Allocation for FY2010	\$ 0	\$2,375,000 2/
Recovery Act Allocation to Date	\$ 0	\$ 125,000
Balance to Complete After FY10	\$ 0	\$ 332,000
Benefit to Cost Ratio @ 7%		\$ N/A

1/ \$675,000 Feasibility costs will be cost shared in the Project Partnering Agreement (PPA).

2/ Funds are pending until a Project Partnership Agreement is executed.

FY2010 ACTIVITIES: Continue progress on project designs. Funds (\$2,375,000) will be used to award the construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY2011.

OTHER INFORMATION: Delaware Department of Natural Resources and Environmental Control is the non-federal sponsor.

CONGRESSIONAL INTEREST: Senators Kaufman and Carper (DE), Representative Castle (DE-AL)

DISTRICT: Philadelphia

FACT SHEET
Section 1135 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Rooster Island, MD

AUTHORIZATION: Continuing Authorities Program, Section 1135 of the Water Resources Development Act of 1986, as amended

LOCATION: Cambridge, MD

DESCRIPTION: Rooster Island is located in Cambridge, Dorchester County, Maryland. Rooster Island used to be a large sand spit containing wetlands and vegetation which protected Hambrooks Bay and the adjacent shorelines. Due to the lack of a continuous sediment source, the island has eroded and little vegetation is left. The project proposes to take sediment from Hambrooks Bay which previously washed away from the island to restore the island wetlands and shallow water habitat.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>PDA</u>	<u>FY 2010 Design & Implementation</u>
Estimated Federal Cost	\$ 913,400	\$1,050,000
Estimated Non-Federal Cost	300,700	350,000
Cash	298,100	
Other	2,600	
Total Estimated Cost	\$1,214,100	\$1,400,000
Allocation thru 2008	913,400	1,300
Allocation for FY 2009	0	141,500
Allocation for FY 2010	0	100,000
Balance to Complete after FY 2010	\$ 0	\$807,200
Benefit to Cost Ratio at 7%		N/A

FY 2010 ACTIVITIES: Prepare concept level designs and costs estimates. Pending identification of a viable design with sufficient environmental benefits, a supplement to the existing decision document will be prepared for submittal to the North Atlantic Division for review and approval.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction could be completed in FY12.

FURTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representative Kratovil (MD-01)

DISTRICT: Baltimore

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Sweet Arrow Lake, PA

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: Schuylkill County, PA

DESCRIPTION: The purpose of this project is to restore and enhance fisheries habitat that has been lost to sedimentation and expand the total wetland area of the lake. Sediment removal will focus on restoring warm-water fisheries and increasing wetland habitat. To meet these objectives, approximately 120,000 cubic yards of sediment will be removed from approximately 40 acres of the lake. Several restoration actions are being considered including, shallow to mid-water (1-15 feet) fish nursery habitat development along the northern shore and central areas of the lake. Also being considered is removal of all sediment; lake restoration by selective sediment removal, wetland creation, and stream channel restoration. The removal of partial sediment will focus on restoring warm-water fisheries habitat using enhancement measures. The construction of an island within the lake would provide additional habitat for species.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>FY 2010 Design & Implementation</u>
Estimated Federal Cost	\$ 730,500	\$1,500,000
Estimated Non-Federal Cost	0	\$1,201,000
Cash		0
Other		\$1,201,000
Total Estimated Cost	\$ 730,500	\$2,701,000
Allocation thru 2008	\$ 399,500	\$ 0
Allocation for FY 2009	181,000	0
Allocation for FY 2010	0	0
Balance to Complete after FY 2010	\$150,000	\$1,500,000
Benefit to Cost Ratio at 7%		N/A

FY 2010 ACTIVITIES: If the Appropriations Committee authorizes to reprogram Section 205 funding to Section 206 to cover named and unfunded Section 206 projects we would prepare preliminary designs, environmental benefits, and cost estimates. With optimum funding, the draft final feasibility report could be completed for submittal to the North Atlantic Division office for review and approval in FY11.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete the feasibility study in FY11.

FURTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Specter and Casey (PA); Representative Holden (PA-17)

DISTRICT: Baltimore

FACT SHEET
SECTION 206 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Environmental

PROJECT/ STUDY NAME: Ten Mile River, East Providence, Rhode Island

AUTHORIZATION: Section 206 of the Water Resources Development Act of 1996, as amended.

LOCATION: The Ten Mile River is located in East Providence, Rhode Island at the head of Narragansett Bay directly to the east of Providence, Rhode Island.

DESCRIPTION: The recommended aquatic ecosystem restoration plan would restore anadromous fish to the lower Ten Mile River. The plan consists of providing Denil fishways at the three lowest dams on the Ten Mile River; Omega Pond Dam, Hunts Mill Dam and Turner Reservoir Dam. These fishways will provide for upstream migration of adult Blueback Herring, Alewife, and American Shad to historic spawning areas. Migrant slots will also be cut into the existing spillways at Omega Pond and Turner Reservoir dams to facilitate downstream migration of juveniles. A migrant slot is not required at Hunts Mill Dam due to the shape and irregularities of the spillway. The proposed ecosystem restoration plan includes construction of a fish trap at Hunts Mill Dam to relocate excess fish to other watersheds, as anadromous fish returns to the Ten Mile River are likely to exceed available spawning grounds.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Design & Implementation</u>
Estimated Federal Cost	2,730,000
Estimated Non-Federal Cost	1,470,000
Cash	(1,440,000)
Other	(30,000)
Total Estimated Project Cost	4,200,000
Allocation thru FY 2008	1,540,000
Allocation for FY 2009	0
Recovery Act Allocations to Date	410,000
Allocation for FY 2010	780,000
Balance to Complete After FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2009 carry-in funds of \$1,510,000 are being used to advertise and award a fully funded contract in February 2010 for construction of ecosystem restoration measures at Hunts Mill and Turner Reservoir Dams. FY 2010 funds will be used to advertise and award a fully funded contract in August 2010 for construction of ecosystem restoration measures at Omega Pond Dam.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete project construction in FY 2011.

OTHER INFORMATION: The feasibility study was prepared using Investigation funds and implementation was recommended under Section 206 authority. A Project Partnership Agreement was signed with the State of Rhode Department of Environmental Management on 27 May 2008, as amended on 10 October 2009.

CONGRESSIONAL INTEREST: Senators Reed (RI) & Whitehouse (RI) & Representative Kennedy (RI-1)

DISTRICT: New England

FACT SHEET
Section 206 - Continuing Authorities Program
Enacted Studies and Projects

BUSINESS LINE: CAP - Environment

PROJECT/STUDY NAME: Urieville Lake, MD

AUTHORIZATION: Continuing Authorities Program, Section 206 of the Water Resources Development Act of 1996, as amended

LOCATION: Kent County, MD

DESCRIPTION: The Kent County Commissioners requested that the U.S. Army Corps of Engineers investigate and potentially restore Urieville Lake. The watershed is a highly degraded system, with insufficient buffers and extensive water quality problems such as high nutrient levels and low dissolved oxygen. Urieville Lake has sustained several fish kills in recent years related to eutrophication. Restoration is designed to improve habitat and water quality. Without this project, the area will continue to be a degraded, underutilized area of the Chesapeake Bay and will continue to contribute to degraded water quality downstream from the lake. The project will identify and design habitat improvement measures, including the restoration of wetlands, improvement of riparian buffers and re-creation of open water habitat. The study will also establish connectivity between Urieville Lake and the downstream areas of Morgan Creek. This should allow adequate flow between the tidal and non-tidal areas of Morgan Creek creating a complete ecological system. Complete or partial removal of the dam remains a potential alternative for restoration since the dam has been identified as a major structural obstacle to any long-term restoration and has effectively segregated habitat areas.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$ 617,300	\$ 1,800,000
Estimated Non-Federal Cost	0	1,242,000
Cash		0
Other		1,242,000
Total Estimated Cost	\$ 617,300	\$3,042,000
Allocation thru 2008	\$167,300	0
Allocation for FY 2009	250,000	0
Allocation for FY 2010	0	0
Balance to Complete after FY 2010	\$200,000	\$ 1,800,000
Benefit to Cost Ratio at 7%		N/A

FY 2010 ACTIVITIES: : If the Appropriations Committee authorizes to reprogram Section 205 funding to Section 206 to cover named and unfunded Section 206 projects we would prepare preliminary alternative designs and cost estimates. With carryover funding, the draft final feasibility report could be completed for submittal to the North Atlantic Division office for approval in FY11.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete the feasibility study in FY11.

FURTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Mikulski and Cardin (MD); Representative Kratovil (MD-01)

DISTRICT: Baltimore

FACT SHEET
SECTION 206 - CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS PROGRAM: CAP - Environmental

PROJECT/ STUDY NAME: Winnapaug Pond, Westerly, Rhode Island

AUTHORIZATION: Section 206 of the Water Resources Development Act of 1996, as amended.

LOCATION: Winnapaug Pond is located along the southern coast of Rhode Island in the town of Westerly.

DESCRIPTION: Shoaling at the entrance to Winnapaug Pond has smothered eelgrass plants and reduced water depths making conditions unsuitable for the growth of eelgrass. The project involves dredging about 12 acres of tidal shoal area in Winnapaug Pond to restore adequate depths and planting eelgrass to restore estuarine aquatic habitat. Eelgrass, a species of submerged aquatic vegetation (SAV), will be restored to dredged areas by seeding and planting plugs removed from nearby healthy donor beds. A 2.8-acre sedimentation basin would be dredged to prevent future shoaling. Restoration of these federally recognized Special Aquatic Sites in Winnapaug Pond would directly benefit the fisheries of Block Island Sound.

SUMMARIZED FINANCIAL DATA:

	<u>Design & Implementation</u>
Estimated Federal Cost	1,223,000
Estimated Non-Federal Cost	659,000
Cash	(659,000)
Other	(0)
Total Estimated Project Cost	1,882,000
Allocation thru FY 2008	150,000
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	0
Balance to Complete After FY 2010	1,073,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Although named in FY 2010, design efforts are on hold until a Project Partnership Agreement is signed. The project sponsor has indicated that their share of project funds is not currently available.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete construction in FY 2012.

OTHER INFORMATION: By resolution dated 2 August 1995, the Committee on Environment and Public Works authorized a water resources investigation along Rhode Island south coast from Watch Hill to Narragansett. Feasibility studies determined that aquatic habitat restoration is justified for Winnapaug Pond. This project was approved on 8 November 2001 for implementation under Section 206 of WRDA 1996. Congressional interests have referred to this project as Phase II of the South Shore Habitat Restoration Project.

CONGRESSIONAL INTEREST: Senators Reed (RI) & Whitehouse (RI), Representative Langevin (RI-2)

DISTRICT: New England

ENVIRONMENTAL INFRASTRUCTURE

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: New York City Watershed, New York

AUTHORIZATION: WRDA 1996, Section 552 and WRDA 1999, Section 340 - Water-related environmental infrastructure and resource protection and development.

LOCATION: The Watershed is located within eight New York counties: Delaware, Greene, Schoharie, Ulster, Sullivan, Westchester, Putnam and Dutchess.

DESCRIPTION: 41 projects have been certified by the New York State Department of Environmental Conservation (NYSDEC) as eligible under the Section 552 program. 37 cost sharing agreements have been executed with various sponsors of which 30 projects have been completed to date. The projects include stream bank restorations, design and installation of sewer and stormwater collection systems, stormwater management studies and implementation of whole farm planning.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$42,500,000
Estimated Non-Federal Cos	\$14,100,000
Cash	\$14,100,000
Other	0
Total Estimated Cost	\$56,600,000
Allocation Thru FY 2008	\$18,509,000
Allocation for FY 2009	\$453,000
Allocation for FY 2010	\$945,000
Recovery Act Allocation To Date	0
Balance to Complete after FY 2010	\$22,593,000
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue work on two new projects, Third Brook Corridor Mass Slope Failure Mitigation Project in Delaware County and the Riparian Buffer Implementation Project in Ulster County.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Project construction completion to be determined, subject to availability of project fund.

OTHER INFORMATION: All of the 41 projects certified to date are cost reimbursement type projects.

CONGRESSIONAL INTEREST: Representatives Lowey (NY-18), Hall (NY-19), Murphy (NY-20), McNulty (NY-21), Hinchey (NY-22) and McHugh (NY-23); Senators Schumer (NY) and Gillibrand (NY)

DISTRICT: New York

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Restoration

PROJECT/STUDY NAME: Richmond, Virginia, Combined Sewer Overflow (CSO)

AUTHORIZATION: Section 219(c)(17) of the Water Resources Development Act of 1992 as amended by Section 504 of The Water Resources Development Act of 1996 and Section 502 of the Water Resources Development Act of 1999.

LOCATION: City of Richmond, Virginia.

DESCRIPTION: The city of Richmond is under special compliance order by the Virginia Department of Environmental Quality to implement a CSO control program in order to comply with the Clean Water Act. The project consists of studies and design to support the re-evaluation of the city of Richmond's Combined Sewer Overflow Long Term Control Plan (LTCP). Work will include reliability and interface planning for Combined Sewer Overflow and Dry Weather Flow facilities and the Wastewater Treatment Plant and Satellite locations.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$30,000,000
Estimated Non-Federal Cost	\$10,000,000
Cash	\$10,000,000
Other	0
Total Estimated Cost	\$40,000,000
Allocation thru FY 2008	\$3,546,000
Allocation for FY 2009	\$287,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	\$100,000
Balance to Complete after FY 2010	\$26,067,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue studies and design of CSO separator projects.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Senators Warner (VA) and Webb (VA); Representatives Scott (VA-3) and Cantor (VA-7).

DISTRICT: Norfolk

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: South Central Pennsylvania Environment Improvement Program, PA

AUTHORIZATION: Section 313 of WRDA 1992 (PL 102-580), as amended by WRDA 96 (PL 104-303), Energy and Water Appropriations Acts of FY 96 (PL 104-46), FY 98 (PL 105-62), and FY 99 (PL 104-245), Omnibus Consolidated and Energy Supplemental Appropriations Act for FY 99 (PL 105-245), Water Resources Development Act of 1999 (PL 106-53), Section 101 of the FY2005 Consolidated Appropriations Act, and Section 3143 of WRDA 2007 (PL 110-114).

LOCATION: The program authorizes the Corps to provide design and construction assistance on projects located in 15 counties in south central Pennsylvania.

DESCRIPTION: Projects include wastewater treatment and related facilities; water supply, storage, treatment and distribution facilities; or surface water resource protection and development.

FY		2010
<u>SUMMARIZED FINANCIAL DATA</u>		<u>Construction</u>
Estimated Federal Cost	\$	100,000,000
Estimated Non-Federal Cost	\$	33,333,000
Cash		\$ 0
Other	\$	33,333,000
Total Estimated Cost	\$	133,333,000
Allocation Through FY 2008 (NAB)		\$ 81,429,000
Allocation for FY 2009 (NAB)		\$ 4,500,000
Allocation for FY 2010 (NAB)		\$ 3,888,000
Balance to Complete after FY 2010		\$ 10,183,000
Benefit to Cost Ratio at 7% - N/A		

FY 2010 ACTIVITIES: Baltimore District (NAB) funds are being used to fully fund 2 new PPA's for projects that have been identified. It is expected that more PPA's will be executed as projects are identified.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Projects are being completed as funding is provided up to the authorized program limit.

OTHER INFORMATION: The program is not consistent with Administration policy. Water supply, wastewater treatment and related purposes are low budgetary priorities.

CONGRESSIONAL INTEREST: Senators Specter and Casey (PA), Shuster PA-09, Murtha PA-12, Carney PA-10, Thompson PA-05,

DISTRICT: Baltimore

OPERATION AND MAINTENANCE

Key to Abbreviations:

N = Navigation

FRM = Flood Risk Management

Rec = Recreation

Hydro = Hydropower

ES = Environmental Stewardship

WS = Water Supply

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: Absecon Inlet, New Jersey

AUTHORIZATION: Authorized by the Act of September 22, 1922 (HD 375, 67th Congress, 2nd Session) and July 24, 1946 (HD 504, 79th Congress, 2nd Session).

LOCATION: The Inlet is located on the coast of New Jersey about 65 miles north of Delaware breakwater, between Brigantine Island on the north and Absecon Beach on the south. It forms the entrance to the harbor at Atlantic City, NJ.

DESCRIPTION: The project provides for an inlet entrance 20 feet deep at mean low water and 400 feet wide, an entrance channel 15 feet deep and 200 feet wide from the inlet channel into Clam Creek, and a turning basin 15 feet within Clam Creek as approved by HD 375, 67th Congress and HD 504, 79th Congress. The total length of the section included in the project is about 1 and one-half miles.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 O&M
Estimated Federal Cost	\$250,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$250,000
Allocation thru FY 08	\$133,000
Allocation for FY 09	\$124,000
ARRA Funding	\$ 0
Allocation for FY 10	\$115,830
Balance to Complete After FY 10	\$134,170

FY 2010 ACTIVITIES: Condition surveys, reduced maintenance dredging within Clam Creek by Government dredge.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: This project provides a safe, reliable, and efficient navigation channel for commercial, recreational and U.S. Coast Guard use. The Fishing Fleet contributes approximately \$145.6 million of economic value to the nation each year. The US Coast Guard Station Atlantic City is located on the waterway and must have a reliable channel to fulfill their Homeland Security requirements and conduct search and rescue operations.

CONGRESSIONAL INTEREST: Sen. Lautenberg (NJ) and Sen. Menendez (NJ); Rep. Saxton (NJ-3) and Rep. Frelinghuysen (NJ-11); Rep. Robert Andrews (D NJ-1); Rep. Frank A. LoBiondo (R NJ-2)

DISTRICT: Philadelphia

FACT SHEET
OPERATION AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Appomattox River, Virginia

AUTHORIZATION: River and Harbor Act of 3 March 1871, and modified by the River and Harbor Acts of 13 June 1902, 3 March 1909, 25 June 1910, and 21 January 1927.

LOCATION: Petersburg, Virginia.

DESCRIPTION: The project consists of a channel 10 feet deep and 60 to 80 feet wide extending from the confluence with the James River as far upstream as the head of navigation at downtown Petersburg, Virginia, and including a turning basin at Lieutenants Run, a dam at Petersburg, a diversion channel, and a levee to separate the diversion channel from the navigation channel. The present requirements for maintenance include dredging the completely blocked upper segment of the channel containing contaminated sediments and removal of scattered shoals in downstream segments.

<u>SUMMARIZED FINANCIAL DATA</u> :	FY 2010 (O&M)
Estimated Federal Cost	\$17,500,000
Estimated Non-Federal Cost	\$ 5,000,000
Cash	\$ 0
Other	\$ 5,000,000
Total Estimated Cost	\$ 22,500,000
Allocation thru FY 2008	\$ 1,402,000
Allocation for FY 2009	\$ 527,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	\$ 523,000
Balance to Complete after FY 2010	\$ 15,048,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete environmental testing and analysis, finalize engineering, obtain environmental permits, and coordinate with the stakeholders to ensure readiness of the project when dredging funds are appropriated.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: The City has identified the Weanack site, located along the James River, as the site for the placement of the dredged material and any required remediation of the contaminated sediments.

CONGRESSIONAL INTEREST: Senators Warner (VA) and Webb (VA). Representative Forbes (VA-4).

DISTRICT: Norfolk

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Bucks Harbor, Machiasport, Maine

AUTHORIZATION: Section 107 of the River and Harbor Act of 1960, as amended.

LOCATION: Bucks Harbor is located in the town of Machiasport, Maine, on the west coast of Machias Bay. The harbor consists of an inner and outer harbor.

DESCRIPTION: The project provides an 11-acre anchorage area 8 feet deep in the outer harbor. Bucks Harbor is home to a large commercial fleet of about 70 fishing, lobstering and aquaculture support vessels. The existing Federal project has not been maintained since constructed in 1974. The commercial boats in the harbor currently experience significant tidal delays because of significant shoaling of the anchorage area. Proposed maintenance dredging would involve removal of about 35,000 cubic yards of predominantly silt and clay from the anchorage by mechanical dredge.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Maintenance Dredging</u>
Estimated Federal Cost	1,000,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Project Cost	1,000,000
Allocation thru FY 2008	0
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	743,000
Balance to Complete After FY 2010	257,000
Benefit to Cost Ratio Applicable rate (%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to prepare plans and specifications and award a base bid contract with options to perform maintenance dredging in conjunction with improvement dredging.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging in FY 2011.

OTHER INFORMATION: Navigation improvements at Bucks Harbor are being proposed under Section 107 of the Continuing Authorities Program. American Recovery and Reinvestment Act (ARRA) funds of \$49,000 were used to prepare plans and specifications for improvement dredging.

CONGRESSIONAL INTEREST: Senators Collins (ME) & Snowe (ME), Representative Michaud (ME-2)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Cocheco River, New Hampshire

AUTHORIZATION: Project was adopted in 1890 and completed in 1906. Section 364(18)(b) of WRDA 96 requires that maintenance dredging be performed not later than 18 months after enactment (12 Oct 96).

LOCATION: The Cocheco River is located in southeastern New Hampshire about 9 miles northwest of Portsmouth, New Hampshire.

DESCRIPTION: The project provides for a 3-mile long tidewater channel, 7 feet deep and 60 to 70 feet wide, 35 feet wide in rock. The project has not been dredged since originally constructed in 1906 and is used primarily by recreation craft with some minor commercial usage. It was agreed with project stakeholders to maintain the project to a depth of 6 feet instead of the authorized 7 feet. The reduced depth would adequately serve all current and potential future users of the channel. Maintenance dredging to 6 feet would require the removal of about 40,000 cubic yards (CY) of material. A lined and capped confined disposal facility is needed due to the level of sediment contamination. Environmental restrictions require dredging to be performed between 15 November and 15 March requiring multiple construction seasons. Maintenance dredging was initiated under a contract awarded on 14 September 2004. Work began in November 2004 and ended in March 2005 at the close of the environmental window. About 6,000 CY of material was dredged from the Federal channel and disposed of at the confined disposal facility. A second contract was awarded on 25 August 2006. Work resumed in November 2006 and ended in April 2007 at the close of the extended environmental window. About 11,000 CY of material, including 1,000 CY of rock, was dredged from the Federal channel and disposed of at the confined disposal facility.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Maintenance Dredging</u>
Estimated Federal Cost	10,788,000
Estimated Non-Federal Cost	0 ^{1/}
Total Estimated Project Cost	10,788,000
Allocation thru FY 2008	8,808,000
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	1,980,000
Balance to Complete After FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

^{1/} The City of Dover constructed the confined disposal facility at 100 percent their cost. The Corps will pay a tipping fee to the City for use of their facility. The tipping fee will be based on 80 percent of the City's cost to construct that portion of the facility used for disposal of material dredged from the Federal Navigation Project.

FY 2010 ACTIVITIES: FY 2010 funds, along with planned FY 2009 carryover of \$1,800,000, are being used to advertise and award a third contract for maintenance dredging of about 7,000 CY of unsuitable material from the Cocheco River and pay the City of Dover a tipping fee for use of their disposal facility. Although this would not complete maintenance dredging of the entire project to the agreed upon 6 feet, all sections of the channel would be dredged to a minimum of 5 feet, which is acceptable to project stakeholders

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging in FY 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Judd (NH) & Shaheen (NH), Representative Shea-Porter (NH-1)

DISTRICT: New England District.

FACT SHEET
OPERATION AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Fishing Creek, MD

AUTHORIZATION: Rivers and Harbor Act of 1967

LOCATION: A narrow winding tidal stream which enters Chesapeake Bay from the west 56 miles south of Baltimore and about 26 miles south of Annapolis, MD.

DESCRIPTION: The project consists of channel 7 feet deep and 100-60 feet wide from Chesapeake Bay to an anchorage with twin jetties.

<u>SUMMARIZED FINANCIAL DATA</u> :	FY 2010 <u>O&M</u>
Estimated Federal Cost	\$160,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$160,000
Allocation thru (BY-2) FY 2008	\$ 0
Allocation for (BY-1) FY 2009	\$ 0
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$160,000
Balance to Complete After FY 2010	\$ 0
Benefit to Cost Ratio @7 %	N/A

FY 2010 ACTIVITIES: FY 10 funds in the amount of \$160,000 are being used for engineering and design for future maintenance dredging.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman Steny H. Hoyer (MD-5), Senators Barbara A. Mikulski (MD), Benjamin L. Cardin (MD)

DISTRICT: Baltimore

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Great Salt Pond, Block Island, Rhode Island (New Harbor)

AUTHORIZATION: Rivers and Harbors Acts of 1896, 1900 and 1902.

LOCATION: Block Island is located about 13 miles off the south coast of Rhode Island. Great Salt Pond is located on the west side of Block Island.

DESCRIPTION: The project provides for an entrance channel 18 feet deep and 300 feet wide into Great Salt Pond, with two stone jetties (one either side of the entrance channel). The project was last dredged in June 2009 when the Government owned dredge, the CURRITUCK, removed a hazardous shoal from the entrance channel.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Maintenance Dredging</u>
Estimated Federal Cost	423,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Project Cost	423,000
Allocation thru FY 2008	0
Allocation for FY 2009	225,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	198,000
Balance to Complete After FY 2010	0
Benefit to Cost Ratio Applicable rate (%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to perform normal maintenance dredging of the entrance channel using the Corps dredge CURRITUCK.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging in FY 2010.

OTHER INFORMATION: Regular dredging with the CURRITUCK has been found to be the most efficient and economical method to keep the project channel at safe depths.

CONGRESSIONAL INTEREST: Senators Reed (RI) & Whitehouse (RI), Representative Langevin (RI-2)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Greenwich Harbor, Connecticut

AUTHORIZATION: River and Harbor Act of 2 March 1945, as amended.

LOCATION: Greenwich is located in the southwest corner of Connecticut near the New York/Connecticut state line.

DESCRIPTION: Greenwich Harbor consists of an outer harbor and three inner coves indenting the north shore of Long Island Sound. Project provides for a 12-foot entrance channel, 130 feet wide, from the Outer Harbor to the Town Wharf, thence, generally 100 feet wide, to a point about 50 feet from the head of the harbor, a total length of 1.4 miles; and two anchorages at the west side of the channel, one is 6 feet deep and about 12 acres in area located northeast of Grass Island and the other is 8 feet deep and about 21.5 acres in area located south of Grass Island. The project was constructed in 1951 and last maintained in 1968. Project has not been maintained in recent years because of encroachment into the 6-foot anchorage area and harbor management issues concerning open to all on equal terms.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Sampling & Testing</u>
Estimated Federal Cost	522,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Project Cost	522,000
Allocation thru FY 2008	0
Allocation for FY 2009	23,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	99,000
Balance to Complete After FY 2010	400,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to coordinate with the Town of Greenwich to resolve encroachment and harbor management issues. These funds will also be used for environmental coordination and to initiate sediment sampling.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete sampling and testing in FY 2011.

OTHER INFORMATION: An estimate for maintenance dredging has not been prepared.

CONGRESSIONAL INTEREST: Senators Dodd (CT) & Lieberman (CT), Representative Himes (CT-4)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Hampton Harbor, New Hampshire

AUTHORIZATION: Existing project was authorized by the Chief of Engineers in February 1964, under Section 107 of the Rivers and Harbors Act of 1960, as amended.

LOCATION: Hampton Harbor is located along the New Hampshire coastline at the confluence of the Blackwater and Hampton Rivers, about 1.5 miles north of the Massachusetts and New Hampshire state line.

DESCRIPTION: The existing Federal project provides for an 8-foot entrance channel and seaward extensions of two stone jetties. The existing project was completed in 1965 and last maintained in 1987. The 1964 project was essentially development of a new harbor with little existing navigation. Accordingly, Federal project features were limited to the harbor entrance and inlet, while the state developed the inner harbor. Since the 1960's Hampton Harbor has grown to be the State's largest commercial fishing port, and the State has requested the Corps examine inner harbor anchorage improvements for the commercial fleet.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Maintenance Dredging</u>
Estimated Federal Cost	129,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Project Cost	129,000
Allocation thru FY 2008	0
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	129,000
Balance to Complete After FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to prepare plans and specifications for the maintenance portion of dredging the existing Federal project in conjunction with proposed improvement dredging. Remaining FY 2010 funds will be carried-over into FY 2011 and used to perform maintenance dredging of the existing Federal project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging in FY 2011.

OTHER INFORMATION: The improvement project is being recommended under Section 107 Authority and provides for extending the 8-foot channel into the inner harbor with branches to the north (Hampton) and south (Seabrook) basins, and dredging 8-foot anchorage areas in both basins to accommodate the existing commercial fishing and lobstering fleets. The project would involving dredging about 80,000 cubic yards of clean sand, which would be pumped to the adjacent State beaches in Hampton and Seabrook outside the harbor on either side of the inlet.

CONGRESSIONAL INTEREST: Senators Judd (NH) and Shaheen (NH), and Representative Shea-Porter (NH-01)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: Harbor of Refuge, Lewes, DE

AUTHORIZATION: 52-112 in 1894, HD 70-15 in 1930 and HD 74-56 in 1935.

LOCATION: The Harbor of Refuge project provides for a breakwater 8,000 feet long; 11 ice piers; and an inner navigation channel and turning basin.

DESCRIPTION: The National Harbor of Refuge Breakwater is located in Lewes Harbor off Cape Henlopen. The stone breakwater is 1.5 miles long and is a prominent feature in the historic Delaware Breakwater complex that is listed in the National Register of Historic Places. Harbor of Refuge Lighthouse, a historic 1926 structure, is located on the south end of the National Harbor of Refuge Breakwater.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>O&M</u>
Estimated Federal Cost	\$3,100,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$3,100,000
Allocation thru FY 08	\$ 343,000
Allocation for FY 09	\$ 235,000
ARRA Funding	\$ 0
Allocation for FY 10	\$ 99,000
Balance to Complete After FY 10	\$3,001,000

FY 2010 ACTIVITIES: Condition Survey & Plans and Specs for Breakwater and Lighthouse Foundation

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: Funding in the amount of \$3,100,000 is required for repair of the National Register of Historic Properties Breakwater at the Harbor of Refuge, Lewes, Delaware. The National Harbor of Refuge Breakwater is located in Lewes Harbor off Cape Henlopen. The stone breakwater is 1.5 miles long and is a prominent feature in the historic Delaware Breakwater complex that is listed in the National Register of Historic Places. Harbor of Refuge Lighthouse, a historic 1926 structure, is located on the south end of the National Harbor of Refuge Breakwater. Funding could be used to rehabilitate the breakwater wall on the south end where the lighthouse is situated. Over the past 30 years, Atlantic seas and tides have removed much of the protective stone / rip-rap at the base of the lighthouse on both the east and west sides. In addition, the Atlantic seas have also caused a near-breach on the north side of the wall at high tide – a situation that seriously undermines the stability of the breakwater where the lighthouse is located. Left unattended for much longer, the breakwater will eventually be undermined to the point that threatens to topple the historic lighthouse in to the Atlantic. In the interest of protecting the historic integrity of the National Harbor of Refuge Breakwater itself and ensuring the protection of the historic lighthouse as well, the initiative to rehabilitate the wall is a most crucial one that is time sensitive.

CONGRESSIONAL INTEREST: Senator Thomas R. Carper (D) DE; Senator Ted Kaufman (D) DE; Congressman Michael N. Castle (R) DE.

DISTRICT: Philadelphia

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: Manasquan River, New Jersey

AUTHORIZATION: HD 70-482 as modified by HD 77-356 and PL 99-662

LOCATION: The Manasquan River connects the New Jersey Intracoastal Waterway with the Atlantic Ocean.

DESCRIPTION: This navigation project provides for 2 jetties; a channel 14 feet deep and 250 feet wide from the ocean to the inner end of the north jetty; and a channel 12 feet deep and 100 to 300 feet wide extending to within 300 feet of the railroad bridge. Project length is 1.5 miles.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>O&M</u>
Estimated Federal Cost	\$570,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$570,000
Allocation thru FY 08	\$185,000
Allocation for FY 09	\$337,000
ARRA Funding	\$ 0
Allocation for FY 10	\$150,480
Balance to Complete After FY 10	\$419,520

FY 2010 ACTIVITIES: Funding will be used to perform channel examination surveys and maintenance dredging of the Inlet's most critical shoals.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: This project is valuable to the nation because it provides a safe, reliable, and efficient navigation channel for the busiest inlet in the state of New Jersey. Each year thousands of boats pass through the Inlet generating millions of dollars of business and commerce. Both recreational and commercial fishermen heavily use the Inlet generating over \$128 million of economic value to the nation (NMFS). During summer months, approximately 500 boats pass through the Inlet each day (USCG data). Beach nourishment has increased shoaling at the mouth of the river causing safety problems for commercial and recreational users of the Inlet. At the request of the US Coast Guard and commercial fishermen, emergency dredging was performed to remove navigation obstructions. The US Coast Guard Station is located on the waterway and must have a reliable channel to fulfill their Homeland Security requirements and conduct search and rescue operations. They conducted over 800 assistance/rescue cases and saved numerous lives. The inlet would need to be dredged three times a year to provide a reliable, efficient and safe navigation channel.

CONGRESSIONAL INTEREST: Sen. Lautenberg (NJ) and Sen. Menendez (NJ); Rep. Saxton (NJ-3) and Rep. Frelinghuysen (NJ-11); Rep. Robert Andrews (D NJ-1); Rep. Frank A. LoBiondo (R NJ-2)

DISTRICT: Philadelphia

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: New Bedford and Fairhaven Harbor, Massachusetts

AUTHORIZATION: Rivers and Harbors Acts of 1907, 1909, 1912, 1930, 1935 and 1937.

LOCATION: New Bedford and Fairhaven Harbor is a tidal estuary located on the western side of Buzzards Bay. The harbor is located along the eastern shoreline of Massachusetts about seven miles off the Atlantic Shipping Channel.

DESCRIPTION: The Federal navigation project provides for a channel 30 feet deep and 350 feet wide from deep water in Buzzards Bay to just above the New Bedford-Fairhaven Bridge, a distance of nearly 5 miles, with widening for anchorage and maneuvering purposes in the area northwest of Palmer Island and above the bridge. The project also includes a channel 25 feet deep and 200 to 250 feet wide along the New Bedford waterfront near the bridge, a channel 15 feet deep and 150 to 400 feet wide along the Fairhaven waterfront from Pierce and Kilburn Wharf to the Old South Wharf, then 10 feet deep and 150 feet wide to a point about 1,000 feet south of the Old South Wharf and a 25-foot anchorage northeast of Palmer Island. The harbor is protected by the New Bedford Hurricane Barrier, which is operated and maintained by the Corps and the City of New Bedford. The project was completed in 1939 and last maintained in 1953. Maintenance dredging would require the removal of about 1,100,000 cubic yards of material. The majority of this material is unsuitable for unconfined open water disposal and would be disposed of in Confined Aquatic Disposal (CAD) cells provided by the local sponsor. Suitable material located mainly seaward of the Hurricane Barrier, would be taken to either the Buzzards Bay Disposal Site located approximately 10 miles away or the Rhode Island Sound Disposal Site.

SUMMARIZED FINANCIAL DATA :

	<u>Maintenance Dredging</u>
Estimated Federal Cost	15,000,000
Estimated Non-Federal Cost	0
Total Estimated Project Cost	15,000,000
Allocation thru FY 2008	405,000
Allocation for FY 2009	466,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	470,000
Balance to Complete After FY 2010	13,659,000
Benefit to Cost Ratio Applicable rate (%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds, along with FY 2009 carry-in funds of \$474,000, are being used to update project economics as well as prepare plans and specifications and an Environmental Assessment for maintenance dredging of New Bedford Harbor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging in FY 2013.

OTHER INFORMATION: The Commonwealth of Massachusetts has developed a Dredged Material Disposal Plan for New Bedford Harbor, which identifies suitable locations within the harbor for construction of CAD cells for disposal of unsuitable material.

CONGRESSIONAL INTEREST: Senators Kirk (MA) & Kerry (MA), Representative Frank (MA-4)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Newburyport Harbor, Massachusetts

AUTHORIZATION: River and Harbor Acts of 1880, 1910 and 1945.

LOCATION: Newburyport Harbor is located at the mouth of the Merrimack River, about 4 miles south of the Massachusetts and New Hampshire state line.

DESCRIPTION: Project provides for a 15-foot entrance channel, then a 9-foot channel through Newburyport Harbor to a 9-foot turning basin at the mouth of the Merrimack River. The project includes construction of north and south stone jetties at the entrance to Newburyport Harbor. The project was completed in August 1958 and last maintained in August 1999. Natural shoaling processes have reduced available depths in parts of the channel and turning basin making navigation difficult. The Federal channel provides to public and private boating facilities located at the mouth of the Merrimack River. The project supports both recreational and small commercial fishing vessels. Proposed maintenance dredging would involve the removal of about 160,000 cubic yards of material by hopper dredge, with disposal at a near shore site off of Plum Island. The work would be performed between 1 July and 31 March.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>North Jetty</u>	<u>South Jetty</u>	<u>Dredging</u>
Estimated Federal Cost	10,000,000	5,000,000	\$ 2,645,000
Estimated Non-Federal Cost	0	0	0
Cash	(0) (0) (0)		
Other	(0) (0) (0)		
Total Estimated Cost	10,000,000	5,000,000	2,645,000
Allocation thru FY 2008	0	0	654,000
Allocation for FY 2009	0	93,000	496,000
Recovery Act Allocations to Date	0	0	1,000,000
Allocation for FY 2010	0	0	495,000
Balance to Complete After FY 2010	10,000,000	4,907,000	0
Benefit to Cost Ration @ 7%	N/A	N/A	N/A

FY 2010 ACTIVITIES: Available funds are being used to continue design of jetty repairs. FY 2010 funds, along with FY 2009 planned carryover of \$1,100,000 and ARRA funding of \$1,000,000, are being used to advertise and award a fully funded contract in July 2010 to perform maintenance dredging of Newburyport Harbor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging in FY 2011.

OTHER INFORMATION: The towns of Newbury and Salisbury have requested that dredged material be placed directly on the beach. A Section 204 investigation was initiated in April 2008 to determine if Federal participation is warranted. Direct placement of sand onto the beach would cost an additional \$2,000,000. A Project Partnership Agreement was signed with the Commonwealth of Massachusetts Department of Conservation and Recreation on 9 November 2009 to share additional disposal costs.

CONGRESSIONAL INTEREST: Senators Kirk (MA) & Kerry (MA), & Representative Tierney (MA-6)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Norwalk Harbor, Connecticut

AUTHORIZATION: Authorized by the River and Harbor Acts of 1919 and 1945.

LOCATION Norwalk Harbor is located along the north shore of Long Island Sound (LIS) in south central Connecticut, at the mouth of the Norwalk River.

DESCRIPTION: The project provides for a 12-foot channel extending about 3.2 miles from deep water in the outer harbor to the Washington Street Bridge, then a 10-foot channel extending 1.5 miles to the head of navigation at Norwalk. The project also provides for a 6-foot channel extending to the head of navigation in East Norwalk, a 10-foot anchorage area and two basin areas. The project was completed in 1950. The harbor supports a sand and gravel facility, small oil terminals, a power station, and the largest commercial shell fishing operation in the northeast; as well as many commercial marinas, a large fishing fleet and numerous recreational vessels. In 2007, waterborne commerce totaled 290,000 tons. Maintenance work is being performed in three phases. Phase I involved construction of the two in-river confined aquatic disposal (CAD) cells and dredging of the 10-foot channel to the head of navigation and a small portion of the 6-foot channel. A total of 150,000 CY were dredged during Phase I work, which was completed in February 2006. Phase II work involved dredging 190,000 CY of sediment from the 6-foot channels and anchorage to authorized depth, portions of the 12-foot channel to 9 feet, and the 10-foot anchorage to 6 feet due to funding limitations. Phase II work was completed in February 2009. Phase III involves dredging about 300,000 CY of sediment from the 12-foot channel and 10-foot anchorage to authorized depths. In addition, Connecticut Department of Environmental Protection will probably require capping of the material placed at the Central Long Island Sound disposal area with a minimum of 75,000 CY of clean material. Environmental restrictions require most dredging to be performed between 1 October and 31 January to protect winter flounder and shellfish spawning. Dredging is permitted until 31 March in the southern most section of the project.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Phase I</u>	<u>Phase II</u>	<u>Phase III</u>
Estimated Federal Cost 4,500,000		5,300,000	10,000,000
Estimated Non-Federal Cost 215,000		954,000	1,300,000
Cash	(215,000)	(954,000)	(1,300,000)
Other	(0)	(0)	(0)
Total Estimated Project Cost 4,715,000		6,254,000	11,300,000
Allocation thru FY 2008	4,500,000	5,300,000	520,000
Allocation in FY 2009	0	0	1,440,000
Recovery Act Allocations to Date	0	0	0
Allocation in FY 2010	0	0	1,432,000
Balance to Complete After FY 2010	0	0	6,608,000
Benefit to Cost Ratio @ 7%	N/A	N/A	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used for environmental coordination and to complete preparation of plans and specifications for Phase III maintenance dredging. Funds are not sufficient to perform a useable increment of work.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Phase III maintenance dredging in FY 2012.

OTHER INFORMATION: The Decision Document was approved by CENAD on 12 April 2005. The PCA was executed with the City of Norwalk, Connecticut on 28 June 2005.

CONGRESSIONAL INTEREST: Senators Dodd (CT) & Lieberman (CT), Representative Himes (CT-4)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Pawcatuck River, Little Narragansett Bay & Watch Hill Cove, Rhode Island and Connecticut

AUTHORIZATION: River and Harbor Acts of 1896, 1905 and 1945.

LOCATION: Little Narragansett Bay is on the Rhode Island and Connecticut boundary at the mouth of the Pawcatuck River. Watch Hill Cove is at the southeast corner of the bay in the Town of Westerly, Rhode Island.

DESCRIPTION: The existing project provides for a 10-foot channel, 100 feet wide from Stonington Point through Little Narragansett Bay then up the Pawcatuck River to the lower Wharfs in Westerly, a length of about 7 miles, and then 40 feet wide between the lower and upper wharves of Westerly, a length of about one-half mile. The project also includes removal of obstructions at Watch Hill; a channel, 10 feet deep and 100 feet wide, from the mouth of the river into Watch Hill Cove; a 16-acre anchorage basin 10 feet deep in Watch Hill Cove; and a riprap jetty, 200 feet long, near the southwest corner of the basin. Maintenance dredging would involve the removal of about 100,000 cubic yards of material from a 12,000 foot section of the entrance channel lying partially in Connecticut and partially in Rhode Island. Sandy dredged material would be placed at a near shore site off Misquamicut Beach in Rhode Island and silt material would be placed at the New London Open Water Disposal Site in Long Island Sound.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Maintenance Dredging</u>
Estimated Federal Cost	3,200,000
Estimated Non-Federal Cost	0
Total Estimated Project Cost	3,200,000
Allocation thru FY 2008	0
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	191,000
Balance to Complete After FY 2010	3,009,000
Benefit to Cost Ratio Applicable rate (%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to finalize coordination with State and Federal Resource Agencies, and prepare plans and specifications for maintenance dredging of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging in FY 2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Reed (RI), Whitehouse (RI), Dodd (CT) and Lieberman (CT); and Representatives Langevin (RI-2) and Courtney (CT-2)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Plymouth Harbor and Long Beach Dike, Massachusetts

AUTHORIZATION: Rivers and Harbors Acts of 1899, 1913, 1922, 1962 and 1965.

LOCATION: The Plymouth Harbor Federal navigation project is located in the Town of Plymouth, about 30 miles south of Boston, Massachusetts.

DESCRIPTION: The project consists of a 2.5 mile long by 18 feet deep outer channel, a 0.3-mile long by 15 feet deep inner channel, and a stone dike approximately 2.5 miles long running along Plymouth Long Beach, a barrier beach which protects Plymouth Harbor from severe weather in Cape Cod Bay. The Plymouth Harbor Federal navigation project was completed in 1967 and was last dredged in 1988. Maintenance dredging of approximately 200,000 cubic yards of material is needed to restore the Federal navigation project to its authorized dimensions.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Maintenance Dredging</u>
Estimated Federal Cost	5,700,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Project Cost	5,700,000
Allocation thru FY 2008	0
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	188,000
Balance to Complete After FY 2010	5,512,000
Benefit to Cost Ratio Applicable rate (%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to prepare contract plans and specifications for maintenance dredging of the Federal project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging early in FY 2012.

OTHER INFORMATION: The allowable dredging window extends from 1 October through 31 January. Approximately 90 commercial lobstermen operate from Plymouth Harbor, landing an average of 850,000 pounds per year.

CONGRESSIONAL INTEREST: Senators Kirk (MA) & Kerry (MA), Representative Delahunt (MA-10)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Point Judith Pond and Harbor of Refuge, Rhode Island

AUTHORIZATION: River and Harbor Acts of 1890, 1907, 1910, 1919 and 1948. The project was modified in 1976 under Section 107 of the River and Harbor Act of 1960, as amended.

LOCATION: Point Judith Pond is located along the boundary between the towns of Narragansett and Kingstown in south central Rhode Island. The Point Judith Harbor of Refuge is located in Block Island Sound along the south coast of Rhode Island between Point Judith and the inlet to Point Judith Pond.

DESCRIPTION: The project provides for three breakwaters, totaling 12,850 feet, which form the Harbor of Refuge. The project also provides for a 15-foot entrance channel into Point Judith Pond, which serves the Ports of Galilee and Jerusalem, a 10-foot anchorage area just inside the entrance channel, 6-foot channels in the vicinity of Wakefield and at the upper end of Point Judith Pond, and a 6-foot anchorage area at the upper end of the project. Point Judith Pond services Rhode Island's largest commercial fishing fleet, and one of the largest commercial fishing ports in New England. The average annual catch in Point Judith is 63,000 tons with a value of over \$300 million. The Point Judith Harbor houses the Point Judith Coast Guard station that is responsible for search and rescue operations in Rhode Island Sound and southern New England. The project also provides mainland access for the ferry service that supplies the bulk of the commercial cargo to the subsistence port on Block Island. The project was completed in 1977 and last maintained in FY 2009.

SUMMARIZED FINANCIAL DATA :

	<u>Breakwater Evaluation</u>	<u>Maintenance Dredging</u>
Estimated Federal Cost	270,000	3,286,000
Estimated Non-Federal Cost	0	0
Cash	(0)	(0)
Other	(0)	(0)
Total Estimated Project Cost	270,000	3,286,000
Allocation thru FY 2008	187,000	1,799,000
Allocation for FY 2009	0	1,288,000
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	83,000	199,000
Balance to Complete After FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to evaluate the condition of the breakwaters and complete dredging of the entrance channel.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete breakwater evaluation and entrance channel dredging in FY 2010.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Reed (RI) & Whitehouse (RI), Representative Langevin (RI-2)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Portsmouth Harbor and Piscataqua River, New Hampshire and Maine

AUTHORIZATION: Project was originally adopted in 1879 and subsequently modified by the Rivers and Harbors Acts of 1890, 1954 and 1962. Widening of the project was authorized under Section 202 of the Water Resources Development Act of 1986.

LOCATION: Portsmouth Harbor is located at the mouth of the Piscataqua River along the state boundary between Maine and New Hampshire. The harbor lies about 45 miles northeast of Boston Harbor, Massachusetts and 37 miles southwest of Portland Harbor, Maine.

DESCRIPTION: The project provides for about 6 miles of tidewater channel, 35 feet deep and 400 to 1,000 feet wide, extending from deep water at the entrance of the harbor up the Piscataqua River. Maintenance dredging of the 35-foot channel near the former Simplex Wire and Cable Company, referred to as the "Simplex Shoal", is required every 5 to 7 years and typically involves a small quantity of clean sand and gravel. The Simplex Shoal area was last maintained during November 2000. About 7,900 cubic yards of coarse-grained material was removed and placed in a deep area of the river about 3,000 feet downstream of the shoal.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Maintenance Dredging</u>
Estimated Federal Cost	1,444,000
Estimated Non-Federal Cost	0
Total Estimated Project Cost	1,444,000
Allocation thru FY 2008	444,000
Allocation for FY 2009	0
Recovery Act Allocations to Date	0
Allocation for FY 2010	470,000
Balance to Complete After FY 2010	530,000
Benefit to Cost Ratio Applicable rate (%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds, along with FY 2009 carry-in funds of \$436,000, are not sufficient to advertise and award a fully funded contract and perform maintenance dredging in the area of the Simplex Shoal. A small portion of these funds are being used to update the environmental assessment, monitor shoaling and continue project management and coordination.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete maintenance dredging in FY 2011.

OTHER INFORMATION: Dredged material disposal alternatives were evaluated in an Environmental Assessment prepared for the 2000 maintenance dredging work. The in-river sites were found to be the least cost, environmentally suitable alternative for the disposal of the dredged material. The project lies on the Maine-New Hampshire border and requires regulatory approvals from both states. The State of New Hampshire has previously raised environmental concerns with use of the in-river sites and that use of in-river disposal sites increases maintenance frequency. Historical information does not support this position.

CONGRESSIONAL INTEREST: Senators Shaheen (NH) and Judd (NH), and Representative Shea-Porter (NH-1)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/ STUDY NAME: Providence Harbor Shipping Channel, Rhode Island

AUTHORIZATION: Project was authorized by Section 509 (a) (7) of the Water Resources Development Act of 1996 (P.L. 104-303)

LOCATION: The Providence Harbor Shipping Channel is located in downtown Providence, Rhode Island along the Providence River just upstream of the Fox Point Hurricane Barrier.

DESCRIPTION: The existing Providence River deep-draft navigation project provides for a channel 16.8 miles long and 40 feet deep, generally 600 feet wide from deep water in Narragansett Bay just south of Prudence Island Light to the turn below Field Point at Providence, thence up to 1,700 feet wide to Fox Point. The existing 40-foot channel was completed in January 1976, with maintenance dredging last completed in 2007. WRDA 1996 authorized maintenance of the shallow upper reach of the Providence River extending from the Fox Point Hurricane Barrier upstream about 1.3 miles to the vicinity of the Francis Street Bridge subject to economic and environmental justification.

<u>SUMMARIZED FINANCIAL DATA :</u>	<u>Study</u>
Estimated Federal Cost	415,000
Estimated Non-Federal Cost	0
Cash	(0)
Other	(0)
Total Estimated Project Cost	415,000
Allocation thru FY 2008	0
Allocation for FY 2009	272,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	143,000
Balance to Complete After FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to complete testing of the proposed dredged material, develop dredging and disposal alternatives and conduct economic and environmental analysis's as required by the authorization.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete study in FY 2010.

OTHER INFORMATION: The upper river is shallow with very restrictive height limits under several bridge crossings. This portion of the river contains minimal commercial navigation traffic.

CONGRESSIONAL INTEREST: Senators Reed (RI) and Whitehouse (RI), and Representatives Kennedy (RI-1) and Langevin (RI-2)

DISTRICT: New England District.

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: Salem River, New Jersey

AUTHORIZATION: The original project was adopted as HD 68-110 in 1925. It was modified to current project by Water Resources Development Act (WRDA) 1986.

LOCATION: The waterway extends from the City of Salem, New Jersey westerly 3 miles and empties into the Delaware River about 45 miles south of Philadelphia, Pennsylvania.

DESCRIPTION: The current project is to provide periodic maintenance dredging of an entrance channel from the Delaware River to the fixed highway bridge (Route 49) in Salem, New Jersey with dimensions ranging from 150 to 250 feet wide and a depth of 16 feet, including a cut-off and a turning basin dimensioned at 495 feet by 1000 feet at a depth of 16 feet.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>O&M</u>
Estimated Federal Cost	\$2,300,000
Estimated Non-Federal Cost	\$0
Total Estimated Cost	\$2,300,000
Allocation thru FY 08	\$ 24,000
Allocation for FY 09	\$ 65,000
ARRA Funding	\$0
Allocation for FY 10	\$ 99,000
Balance to Complete After FY 10	\$2,201,000

FY 2010 ACTIVITIES: Funds will be used to monitor the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: Recent condition surveys have indicated controlling depths at 13.0 feet, limiting navigation to less than 70% of the time dependent on high tide, in the authorized 16 foot navigation channel. The waterway supports two berthing facilities for the Port of Salem, owned by the Salem Port Authority and Mid-Atlantic Shipping, annually providing safe transport of over 101,000 tons of various commodities to the South Jersey area. This project is also used as a safe harbor in case of emergencies or severe weather conditions. Closure of all facilities would be the direct impact of not completing the maintenance dredging. Also a disposal area needs to be secured for future maintenance activity since the State of New Jersey will not permit use of the historic open water site located adjacent to the entrance channel. Corps-owned Killcohook Disposal Area is being considered for placement of material.

CONGRESSIONAL INTEREST: Sen. Lautenberg (NJ) and Sen. Menendez (NJ); Rep. Saxton (NJ-3) and Rep. Frelinghuysen (NJ-11); Rep. Robert Andrews (D NJ-1); Rep. Frank A. LoBiondo (R NJ-2)

DISTRICT: Philadelphia

FACT SHEET
Operation and Maintenance
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Somerset County Channels, MD

AUTHORIZATION: N/A

LOCATION: N/A

DESCRIPTION: Funds are directed to maintaining shallow draft navigation projects in Somerset County, MD

<u>SUMMARIZED FINANCIAL DATA</u> :	FY 2010 <u>O&M</u>
Estimated Federal Cost	\$1,000,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$1,000,000
Allocation thru (BY-2) FY 2008	\$ 0
Allocation for (BY-1) FY 2009	\$ 0
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$1,000,000
Balance to Complete After FY 2010	\$ 0
Benefit to Cost Ratio @7 %	N/A

FY 2010 ACTIVITIES: Funds are being used to maintain navigation channels that benefit Somerset County watermen. Congressional interests have indicated that the maintenance dredging of Webster Cove is critical and the top priority in Somerset County. Webster Cove is a reach within the authorized Wicomico River, MD. FY 10 funds in the amount of \$1,000,000 are initially scheduled for maintenance dredging of Webster Cove. Any savings from the Webster Cove project will be directed to other shoaled navigation projects in Somerset County, such as Lower Thorofare and Pocomoke River after consultation with Congressional staffers and Somerset County officials.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman Frank Kratovil Jr. (MD-1), Senators Barbara A. Mikulski (MD), Benjamin L. Cardin (MD)

DISTRICT: Baltimore

NORTHWESTERN
DIVISION

NORTHWESTERN DIVISION
ENACTED FACT SHEETS
TABLE OF CONTENTS

ENACTED PROJECTS.....	NWD-1
FLOOD AND COASTAL STORM DAMAGE REDUCTION.....	NWD-4
INVESTIGATIONS	NWD-5
BOULDER CREEK, CO (SOUTH BOULDER CREEK).....	NWD-6
BRUSH CREEK, KS.....	NWD-7
CACHE LAPOUDRE, CO.....	NWD-8
CENTRALIA, WA (1986 WRDA).....	NWD-9
ELLIOTT BAY SEAWALL, WA.....	NWD-10
MANHATTAN, KS.....	NWD-11
MISSOURI RIVER LEVEE SYSTEM UNITS L455 & R460-471, MO & KS...	NWD-12
SKAGIT RIVER, WA.....	NWD-13
UPPER TURKEY CREEK, KS.....	NWD-14
WATERTOWN AND VICINITY, SD.....	NWD-15
CONSTRUCTION.....	NWD-16
ANTELOPE CREEK, NE.....	NWD-17
BIG SIOUX RIVER & SKUNK CREEK, SIOUX FALLS, SD.....	NWD-18
BLUE RIVER BASIN, KANSAS CITY, MO.....	NWD-19
ELK CREEK LAKE, OR.....	NWD-20
LITTLE WOOD RIVER, ID.....	NWD-21
MISSOURI RIVER LEVEE SYSTEM, IA, NE, KS & MO (L-385).....	NWD-22
SHOALWATER BAY SHORELINE EROSION, WA.....	NWD-23
SWOPE PARK INDUSTRIAL AREA, KANSAS CITY, MO.....	NWD-24
CONTINUING AUTHORITIES PROGRAM.....	NWD-25
BLACKSNAKE CREEK, ST. JOSEPH, MO.....	NWD-26
BRIDGE 617, WORTH, MO.....	NWD-27
CONCORDIA, KS.....	NWD-28
COPPEL CREEK, WA.....	NWD-29
CROSSCREEK, ROSSVILLE, KS.....	NWD-30
DAM BREAK EARLY WARNING SYSTEM, SILVERTON, OR.....	NWD-31
EUREKA CREEK, MANHATTAN, KS.....	NWD-32
PLATTE RIVER BRIDGE, CONCEPTION, MO.....	NWD-33
PLATTE RIVER, SCHUYLER, NE.....	NWD-34
RANDOLPH, NE.....	NWD-35
ROUTE EE BRIDGE, SULLIVAN CITY, MO.....	NWD-36
SNOQUALMIE RIVER AT SNOQUALMIE, WA.....	NWD-37
NAVIGATION	NWD-38
INVESTIGATIONS	NWD-39
GRAYS HARBOR, WA.....	NWD-40

CONTINUING AUTHORITIES PROGRAM.....	NWD-41
COLUMBIA RIVER NAVIGATION IMPROVEMENTS, OR	NWD-42
KANSAS RIVER BASIN – REGIONAL SEDIMENT MGMT PLAN	NWD-43
MISSOURI RIVER REGIONAL SEDIMENT MGMT PLAN.....	NWD-44
SNAKE RIVER REGIONAL SEDIMENT MGMT PLANNING, ID.....	NWD-45
AQUATIC ECOSYSTEM RESTORATION.....	NWD-46
INVESTIGATIONS	NWD-47
AMAZON CREEK, OR	NWD-48
CHEHALIS RIVER BASIN, WA	NWD-49
JAMES RIVER, SD AND ND	NWD-50
MISSOURI RIVER, ND, MT, SD, NE, IA, KS, MO (MRIRP).....	NWD-51
PUYALLUP RIVER, WA	NWD-52
SKOKOMISH RIVER BASIN, WA.....	NWD-53
STILLAGUAMISH RIVER BASIN, WA	NWD-54
WALLA WALLA RIVER BASIN, OR AND WA	NWD-55
CONSTRUCTION.....	NWD-56
FORT PECK CABIN CONVEYANCE, MT	NWD-57
MISSOURI & MIDDLE MISS RIVERS ENHANCEMENT, MO	NWD-58
MISSOURI RIVER RESTORATION, ND	NWD-59
PUGET SOUND & ADJACENT WATERS RESTORATION, WA	NWD-60
CONTINUING AUTHORITIES PROGRAM.....	NWD-61
BEAVER CREEK, OR.....	NWD-62
BLUE VALLEY WETLANDS, JACKSON COUNTY, MO	NWD-63
BOISE RIVER AT EAGLE ISLAND, ID.....	NWD-64
CHARITON RIVER AND RATHBUN LAKE WATERSHED, IA.....	NWD-65
DAIRY CREEK, OR.....	NWD-66
GOOSE CREEK, CO	NWD-67
MAPES CREEK, WA	NWD-68
PRISON FARM SHORELINE HABITAT, ND	NWD-69
TWIN FALLS, IA	NWD-70
TWO RIVERS, WA	NWD-71
UNION SLOUGH, WA	NWD-72
ENVIRONMENTAL INFRASTRUCTURE	NWD-73
CONSTRUCTION.....	NWD-74
RURAL IDAHO	NWD-75
RURAL MONTANA, MT.....	NWD-76
OPERATIONS AND MAINTENANCE.....	NWD-77
CHEYENNE RIVER SIOUX TRIBE, LOWER SIOUX, SD	NWD-78
COLUMBIA RIVER AT BAKER BAY, WA	NWD-79
COLUMBIA RIVER BTW CHINOOK & SAND ISLAND, WA	NWD-80
DEPOE BAY, OR	NWD-81
FRIDAY HARBOR, WA.....	NWD-82
GRAYS HARBOR & CHEHALIS R - COASTAL MODELING SYSTEM	NWD-83
PORT ORFORD, OR	NWD-84
SKIPANON CHANNEL, OR	NWD-85
TILLAMOOK BAY & BAR, OR	NWD-86

FLOOD AND COASTAL STORM DAMAGE REDUCTION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Boulder Creek, Colorado (South Boulder Creek Floodplain Project)

AUTHORIZATION: Boulder Creek Study Resolution, Docket 2717, House Transportation and Infrastructure Committee, October 1, 2003

LOCATION: The project is located 25 miles northeast of Denver, Colorado, is 47 miles in length and flows through the City of Boulder into the South Platte River.

DESCRIPTION: The study purposes are flood damage reduction and ecosystem restoration along South Boulder Creek. The city of Boulder is subject to flash flooding from Boulder Creek and its tributaries, including South Boulder Creek and the potential for loss of life is significant. South Boulder Creek is a major fork that passes through the southeastern edge of Boulder and joins Boulder Creek east of Boulder.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Reconnaissance</u>
Estimated Federal Cost	\$ 255,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$255,000
Allocation thru FY 2008	\$98,000
Allocation for FY 2009	\$75,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	\$74,000
Balance to Complete after FY 2010	\$ 8,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Funds will be used to prepare the Project Management Plan (PMP) and execute the Feasibility Cost Sharing Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Reconnaissance, 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Mark Udall (CO), Senator Michael Bennet (CO); Representative Jared Polis (CO-02)

DISTRICT: Omaha

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Brush Creek Basin Study, Johnson County, Kansas and Jackson County, Missouri

AUTHORIZATION: Authorized by Resolution of the House Committee on Transportation and Infrastructure, July 24, 2002, Docket 2698.

LOCATION: The study area is the Brush Creek Basin in Johnson County, Kansas and Kansas City, Missouri, and includes areas of Jackson County, Missouri.

DESCRIPTION: This is a multipurpose watershed study and will examine measures to address flood risks, as compatible with opportunities to improve environment quality and compatible recreation with significant collaboration among agencies. The reconnaissance phase is complete and the Feasibility Cost Sharing Agreement was signed August 2005.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,048,000
Estimated Non-Federal Cost	\$930,000
Cash	\$930,000
Other	\$0
Total Estimated Cost	\$1,978,000
Allocation thru 2008	\$544,000
Allocation for FY 2009	\$262,000
Recovery Act Allocations To Date	\$0
Allocation for FY 2010	\$217,000
Balance to Complete after FY 2010	\$25,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continuation of the feasibility study with FY 2010 funds used to complete inventory planning steps. Flood risks that have a multipurpose opportunity with ecosystem restoration mission will be identified and introduced in a public workshop. Plan formulation will be conducted on priority watershed sites. Public and agency outreach and coordination will initiate plan formulation. A feasibility scoping meeting will be conducted.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2012

OTHER INFORMATION: An amendment to the FCSA was completed in April 2009. This is a collaborative study under the watershed approach, evaluating multipurpose benefits in a comprehensive and well coordinated bi-state framework.

CONGRESSIONAL INTEREST: Senator Bond (MO), Senator Roberts (KS), Congressman Cleaver (MO-5), and Congressman Moore (KS-03).

DISTRICT: Kansas City

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Cache la Poudre River at Greeley, CO (Cache la Poudre Flood Damage Reduction)

AUTHORIZATION: House resolution adopted July 29, 1971.

LOCATION: The study area includes the flood plain of the Cache la Poudre River from the confluence of the South Platte River, upstream approximately 17 miles, and includes the City of Greeley.

DESCRIPTION: The purpose of the study is primarily flood damage reduction, and secondarily, ecosystem restoration in the river corridor. Solutions to alleviate flooding may include channel improvements, acquiring floodway corridor areas, relocations, and creating over-bank open space floodplain storage areas.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 1,215,000
Estimated Non-Federal Cost	\$1,215,000
Cash	\$985,000
Other	\$230,000
Total Estimated Cost	\$2,430,000
Allocation thru FY 2008	\$778,000
Allocation for FY 2009	\$3,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	\$45,000
Balance to Complete after FY 2010	\$ 389,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Funds will be used to continue with the feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2012

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Mark Udall (CO), Senator Michael Bennet (CO); Representative Elizabeth Markey (CO-04)

DISTRICT: Omaha

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Centralia, Washington

AUTHORIZATION: Section 401a of the Water Resources Development Act (WRDA) 1986 (PL 99-662) & Section 1001(46) WRDA 2007 (PL 110-114-NOV. 8 2007 121 STAT. 1041)

LOCATION: The project area is located 80 miles south of Seattle in Lewis County and includes the communities of Centralia and Chehalis.

DESCRIPTION: The WRDA 2007 authorized design and construction of the recommended project, per the Chief's Report, that includes setback levees along the Chehalis and Skookumchuck Rivers and modifications of the Skookumchuck Dam. The project will provide flood damage reduction in the Chehalis Basin, in vicinity of cities of Centralia and Chehalis. Reconnaissance phase and feasibility phase are complete. PED phase started June 2008.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA</u> PED	
Estimated Federal Cost	\$ 15,000,000
Estimated Non-Federal Cost	\$5,000,000
Cash \$1,600,000	
Other \$3,400,000	
Total Estimated Cost	\$ 20,000,000
Allocation thru 2008	\$ 8,001,000
Allocation for FY 2009	\$1,147,000
Recovery Act Allocation to Date	0
Allocation for FY 2010	\$672,000
Balance to Complete after FY 2010	\$5,180,000
Benefit to Cost Ratio @ 7 %	1.3

FY 2010 ACTIVITIES: The Design Agreement, the Integral Determination Report will be completed, the environmental mitigation, the Project Management Plan rework, and Post Authorization Change Report will be continued.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED, 2011

OTHER INFORMATION: Governor Gregoire has expressed strong support of the project for Washington State. The latest major flooding occurred in early 2009 causing closure of I-5 for 2 days, this also occurred in late 2007 causing the closure of I-5 for 4 days, the main route between Seattle and Portland. The closure caused rerouting of traffic and loss of commerce. Currently, the budget and schedule to complete PED is being negotiated with local sponsor.

CONGRESSIONAL INTEREST: Representatives Brian Baird (WA-03); Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Elliott Bay Seawall, Washington

AUTHORIZATION: Section 209 of the Flood Control Act of 1962 (PL 84-874). Study Resolution, Docket 2704, Committee on Transportation and Infrastructure, U.S. House of Representatives, dated 25 Sep 2002; and Committee Resolution, Committee on Environment and Public Works, U.S. Senate, dated 26 Sep 2002.

LOCATION: Elliott Bay is the portion of Puget Sound directly adjacent to downtown Seattle, in King County, western Washington.

DESCRIPTION: The project will study the feasibility and federal interest in protecting the Seattle waterfront from erosion and tidal damages. The Reconnaissance phase is complete and the Feasibility Cost Sharing Agreement was signed October 2001.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u> Feasibil	ity
Estimated Federal Cost \$	4,759,000
Estimated Non-Federal Cost	\$4,759,000
Cash 0	
Other	\$ 4,759,000
Total Estimated Cost \$	9,518,000
Allocation thru 2008	\$ 2,074,000
Allocation for FY 2009	\$528,000
Recovery Act Allocation to Date	0
Allocation for FY 2010	\$462,000
Balance to Complete after FY 2010	\$ 1,695,000
Benefit to Cost Ratio @ 7 %	N/A

FY 2010 ACTIVITIES: Continue the feasibility study, with tasks including plan formulation and economic studies, preliminary screening of alternatives, and environmental coordination.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2012

OTHER INFORMATION: The Elliott Bay Seawall was constructed in 1911 with non-Federal resources. The seawall provides storm damage protection and support for the City of Seattle waterfront, north/south automobile and railroad corridors, and facilities for the many ships that utilize the Port of Seattle. The seawall is an aging structure that has suffered significant damage over the years through a combination of erosion, material decomposition, and most recently the 2001 Nisqually earthquake. There is increasing evidence that large portions of the seawall may not be able to withstand any further deterioration from storms or another large earthquake. Complete replacement of the seawall will likely be necessary. Legislation in the Water Resources Development Act (WRDA) 2007 allowed for the consideration of seismic damages.

CONGRESSIONAL INTEREST: Representatives Jim McDermott (WA-07) and Norm Dicks (WA-06), Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Manhattan, Kansas

AUTHORIZATION: Section 216 of the Flood Control Act of 1970.

LOCATION: The city of Manhattan, Kansas, and an unincorporated area of Pottawatomie County, Kansas, located northwest of the confluence of the Big Blue and the Kansas Rivers, just downstream from Tuttle Creek Lake.

DESCRIPTION: The project is a reevaluation of the existing levee in the floodplain of both rivers with 29,000 feet of levee, 4,000 feet of channel improvement on the Kansas River, relief wells and two pumping plants, protecting 1,500 homes, 500 businesses and public facilities with estimated investment value at over \$600 million. Alternative plans will evaluate measures to improve levee reliability. Reconnaissance phase is complete and the Feasibility Cost Sharing Agreement signed November 2005.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$957,000
Estimated Non-Federal Cost	\$957,000
Cash	\$957,000
Other	\$0
Total Estimated Cost	\$2,086,000
Allocation thru 2008	\$342,000
Allocation for FY 2009	\$96,000
Recovery Act Allocations To Date	\$0
Allocation for FY 2010	\$134,000
Balance to Complete after FY 2010	\$556,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continuation of feasibility study with development of engineering analysis of existing conditions and quality review in the areas of Hydraulics and Hydrology (H&H), civil, and utilities. Existing conditions documentation of the project area will continue with initiation of an economics inventory survey and an environmental conditions updates. Risk communication and collaboration with Federal Emergency Management Agency (FEMA) will continue. Early formulation may proceed with sponsor buy-in.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2013

OTHER INFORMATION: There are no authorization, cost of study, or scope changes of the study to date. Observations in the 1993 flood raised concerns about the ability of the levee to meet its authorized level of performance.

CONGRESSIONAL INTEREST: Senator Roberts (KS), Senator Brownback (KS), and Congresswoman Jenkins (KS-02).

DISTRICT: Kansas City

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Missouri River Levee System (MRLS) Units L-455 and R 471-460, Missouri and Kansas

AUTHORIZATION: The proposed work is within the authority of the Chief of Engineers under Correction of Design Deficiency, and new authority is not required for this project.

LOCATION: The study area includes the flood plain along the Missouri River in the vicinity of St. Joseph, MO, in Buchanan County, MO, and Doniphan County, KS. Within the study area lie the cities of St. Joseph, MO, and Elwood and Wathena, KS, as well as the Rosecrans Memorial Airport and Missouri Air National Guard Base.

DESCRIPTION: Unit L-455, protecting St. Joseph, MO, is 15.6 miles long and averages 13 feet high. Unit R471-460, protecting Elwood and Wathena, KS, and Rosecrans Airport/National Guard Base, is 13.8 miles long and averages 15 foot high. The approved feasibility study recommends raising R471-up to 3 feet, and a minor raise to L-455, for a total cost of \$33,696,000 (FY 2008 prices). Reconnaissance and Feasibility phases are complete. PED phase started September 2009.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PED</u>
Estimated Federal Cost	\$2,051,000
Estimated Non-Federal Cost	\$683,000
Cash	\$683,000
Other	\$0
Total Estimated Cost	\$2,734,000
Allocation thru 2008	\$291,000
Allocation for FY 2009	\$406,000
Recovery Act Allocations To Date	\$0
Allocation for FY 2010	\$291,000
Balance to Complete after FY 2010	\$1,063,000
Benefit to Cost Ratio @ 7%	2.5

FY 2010 ACTIVITIES: The FY10 allocation and prior year carry over funding will be used to continue the PED phase. This will include surveys (\$220,000), site and structural assessments (\$60,000), and maintain public / agency communications (\$20,000).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED, 2013

OTHER INFORMATION: Currently, the R471-460 unit has been decertified. This project will raise and improve the levee system to reliably pass the base (1 percent) flood and allow for certification.

CONGRESSIONAL INTEREST: Senator Bond (MO), Senator Roberts (KS), and Representative Graves (MO-6), Representative Jenkins (KS-02).

DISTRICT: Kansas City

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Skagit River, Washington

AUTHORIZATION: Section 209 of the Flood Control Act (FCA) of 1962 (PL 84-874).

LOCATION: The study area is located 60 miles north of Seattle in the Skagit River Basin, and includes the cities of Mount Vernon, Burlington and Sedro-Woolley in Skagit County, Washington.

DESCRIPTION: The purpose of the project is to investigate and recommend solutions to provide flood risk reduction to urban and rural communities in Skagit County. Flood risk reduction alternatives being examined include levees, diversion channels, additional flood control storage at five existing non-Federal dams, nonstructural measures, and off-channel storage. Ancillary purpose of ecosystem restoration will analyze opportunities to add ecosystem restoration features to flood risk resolution alternatives. Reconnaissance phase is complete and the Feasibility Cost Sharing Agreement was signed July 1997.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$7,613,000
Estimated Non-Federal Cost	\$7,613,000
Cash	\$1,279,000
Other	\$6,334,000
Total Estimated Cost	\$15,226,000
Allocation thru 2008	\$4,141,000
Allocation for FY 2009	\$458,000
Recovery Act Allocation to Date	\$308,000
Allocation for FY 2010	\$359,000
Balance to Complete after FY 2010	\$2,347,000
Benefit to Cost Ratio @ 7 %	N/A

FY 2010 ACTIVITIES: The work plan for FY10 will formulate the project range of alternatives. Develop significant and substantive progress with tangible alternatives, with a holistic approach to flood risk reduction with environmental restoration features.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2013

OTHER INFORMATION: Recommended projects will include ecosystem restoration features.

CONGRESSIONAL INTEREST: Representatives Rick Larsen (WA-02) and Norm Dicks (WA-06), and Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Upper Turkey Creek Basin Study, Johnson and Wyandotte Counties, Kansas

AUTHORIZATION: Resolution of the Committee on Transportation and Infrastructure, U.S. House of Representatives, adopted February 16, 2000, Docket 2616.

LOCATION: The study area is 20 square miles in Wyandotte and Johnson, including the cities of Merriam, Kansas City, and other cities upstream of the authorized Turkey Creek construction in the lower basin. A small portion of the area includes the Merriam Drainage District.

DESCRIPTION: The study examines the 15-mile upper segment of the urbanized basin and will address flood risks, including compatible measures that address basin environmental quality. Reconnaissance and feasibility phases are complete.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PED</u>
Estimated Federal Cost	\$ 1,500,000
Estimated Non-Federal Cost	\$500,000
Cash	\$500,000
Other	\$0
Total Estimated Cost	\$2,000,000
Allocation thru 2008	\$70,000
Allocation for FY 2009	\$0
Recovery Act Allocations To Date	\$0
Allocation for FY 2010	\$90,000
Balance to Complete after FY 2010	\$1,340,000
Benefit to Cost Ratio Applicable rate (7%)	1.5

FY 2010 ACTIVITIES: Feasibility study continues with refinement of the screening-level alternatives in 2010 and plan selection. Continue draft report preparation and initiate Agency Technical Review (ATR). Conduct public involvement and stakeholder and agency outreach and cooperation. We anticipate the project will not initiate PED activities in 2010. There is a possibility that the feasibility study cost will increase due to long term incremental funding impacts and other factors, in which case the PED Investigation funds will be utilized to fund the remaining feasibility study cost.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED, 2014

OTHER INFORMATION: The Feasibility Cost Sharing Agreement was signed with the City of Merriam, Kansas in 2002. No changes to the study authorization or cost to date, but may be necessary in 2010.

CONGRESSIONAL INTEREST: Senator Roberts (KS), and Congressman Moore (KS-03).

DISTRICT: Kansas City

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Watertown & Vicinity, South Dakota

AUTHORIZATION: House Document Numbered 133, Eighty-fourth Congress.

LOCATION: The study area is Watertown and Vicinity, which is located in Codington County, South Dakota in the northeastern part of the state.

DESCRIPTION: The Watertown area has experienced eight major floods since 1943, averaging a major flood approximately every eight years. Watertown's susceptibility to flood damages has increased over time as the City has grown and development has increased around nearby Lakes Kampeska and Pelican. The feasibility report recommended construction of a dry dam on the Big Sioux River near the confluence of Mahoney Creek at an estimated construction cost of \$16.6 million. A recent value engineering study estimated the current construction cost at \$33.6 million. PED phase started in 1994.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PED</u>
Estimated Federal Cost	\$ 2,237,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$2,237,000
Allocation thru FY 2008	\$1,568,000
Allocation for FY 2009	\$311,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	\$359,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds will be used for completion of Alternatives Analysis and to prepare for the Alternatives Review Conference and Alternative Formulation Briefing.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED, 2014

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Tim Johnson (SD), Senator John Thune (SD); Representative Stephanie Herseth-Sandlin (SD-AL)

DISTRICT: Omaha

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Antelope Creek, Lincoln, NE

AUTHORIZATION: Section 101(b)(19) of the Water Resources Development Act of 2000 as amended.

LOCATION: The project is located within the city of Lincoln, NE

DESCRIPTION: The project will provide flood damage reduction to the city of Lincoln and the University of Nebraska-Lincoln campus. The Antelope Creek flood damage reduction project is just one piece of the larger Antelope Valley project, which combines flood control, urban revitalization and transportation projects. The entire Antelope Valley project is expected to cost \$238 million and take six to ten years to complete.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$34,083,000
Estimated Non-Federal Cost	34,083,000
Cash	4,407,000
Other	30,036,000
Total Estimated Project Cost	\$68,166,000
Allocations thru FY 2008	23,766,000
Allocation for FY 2009	4,620,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	5,382,000
Balance to Complete After FY 2010	315,000
Benefit to Cost Ratio @ 7%	1.34

FY 2010 ACTIVITIES: Complete Phase 3 construction. Complete Letter of Map Revision submittal and approval from FEMA. Complete Real Estate crediting and project closeout. Complete Operation and Maintenance Manuals. Reimbursements to Sponsor per the provisions of the Project Cooperation Agreement (PCA).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2011

OTHER INFORMATION: Sec 117 of E&WDA of 2010 contained a technical amendment to Section 3111 of WRDA 2007 which directs the Secretary to credit toward the non-Federal share of the cost of the project the cost of design and construction work carried out by the non-Federal interest before, on, or after the date of the partnership agreement

CONGRESSIONAL INTEREST: Rep. Fortenberry (NE-1), Senators Nelson (NE) and Johanns (NE).

DISTRICT: Omaha

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Big Sioux River & Skunk Creek, Sioux Falls, SD - Continuing

AUTHORIZATION: WRDA 96, Public Law 104-303 as amended

LOCATION: Sioux Falls is located on a large bend of the Big Sioux River and at the confluence with Skunk Creek in the south half of Minnehaha County in southeastern South Dakota.

DESCRIPTION: The project is an improvement of an existing project. It will consist of raising the levee from the diversion dam to the upstream tie-off, raising the diversion channel levee, modifying the chute and stilling basin, raising the diversion dam, raising the levees on Skunk Creek, raising Big Sioux levees downstream of Skunk Creek, and providing for bridge improvements.

FY	2010
<u>SUMMARIZED FINANCIAL DATA:</u> Constructio	
Estimated Federal Cost	\$38,154,000
Estimated Non-Federal Cost	15,849,000
Cash	4,939,000
Other	10,910,000
Total Estimated Project Cost	\$54,003,000
Allocations thru FY 2008	18,698,000
Allocation for FY 2009	3,009,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	1,841,000
Balance to Complete After FY 2010	14,606,000
Benefit to Cost Ratio @ 7%	1.31

FY 2010 ACTIVITIES: Federal funds along with sponsor advanced and accelerated funds will be used to award construction contract for completion of phase 2 which includes dam and levee construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2012

OTHER INFORMATION: Sponsor received approval for accelerating and advancing funds in December 2008.

CONGRESSIONAL INTEREST: Senators Thune (SD) and Johnson (SD); Representative Herseth Sandlin (SD-AL)

DISTRICT: Omaha

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Blue River Basin, Kansas City, Missouri

AUTHORIZATION: Water Resources Development Act of 1996 (PL 104-303).

LOCATION: The project is located along the left bank of the Blue River from U.S. 71 Highway upstream for a distance of about 1-¼ miles in Jackson County, Missouri, to the Bannister Federal Complex levee.

DESCRIPTION: The project purpose is flood protection of Dodson Industrial Area and consists of a levee and floodwall system 6,790 feet long connecting the Bannister Road Federal Complex levee at the upstream end to the embankment of Bruce R. Watkins Drive on the downstream end.

<u>SUMMARIZED FINANCIAL DATA</u> Construction	FY 2010 <u>n</u>
Estimated Federal Cost	\$22,492,000
Estimated Non-Federal Cost	7,497,000
Cash	1,500,000
Other	5,997,000
Total Estimated Project Cost	\$29,989,000
Allocation thru 2008	\$ 15,779,000
Allocation for FY 2009	\$2,871,000
Recovery Act Allocations To Date	\$0
Allocation for FY 2010	\$709,000
Balance to Complete After FY 2010	\$3,133,000
Benefit to Cost Ratio @ 7%	1.0

FY 2010 ACTIVITIES: Funds will be used as follows: \$350,000 to perform a Limited Reevaluation Study and \$359,000 to continue Phase 4 design. Due to sponsor funding issues, some funds may be carried over into FY 2011.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2013

OTHER INFORMATION: The Project Cooperation Agreement (PCA) for this project was executed in September 2001. Based on the current design, the WRDA 86 Sec 902 project cost limit is likely to be exceeded. A Post Authorization Change (PAC) report will be prepared in FY 2010.

CONGRESSIONAL INTEREST: Representative Cleaver (MO-05), Senator Bond (MO).

DISTRICT: Kansas City

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Elk Creek Lake, OR

AUTHORIZATION: Flood Control Act of 1962, as amended.

LOCATION: Elk Creek Lake is located in Jackson County, Oregon on Elk Creek, a tributary of Rogue River at River Mile 1.7 approximately 26.5 miles north of the city of Medford.

DESCRIPTION: Elk Creek Dam was partially completed prior to a court injunction stopping construction.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 117,375,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 117,375,000
Allocation thru FY 2008	\$ 113,755,000
Allocation for FY 2009	\$ 3,120,000
Recovery Act Allocations To Date	\$0
Allocation for FY 2010	\$472,000
Balance to Complete after FY 2010	TBD
Benefit to Cost Ratio @ 7%	

FY 2010 ACTIVITIES: Close out the construction project and conduct basic O&M activities of the notched dam structure.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction phase completion FY 2010, 30 Sep 09. Balance to complete will be determined during development of the final plan.

OTHER INFORMATION: Project moves to Operations and Maintenance in FY 2011.

CONGRESSIONAL INTEREST: Senators Ron Wyden (OR) and Jeff Merkley (OR); Representative Greg Walden (OR-2)

DISTRICT: Portland

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Little Wood River, Gooding, Idaho

AUTHORIZATION: Section 3057 of WRDA 2007, PL 110-114.

LOCATION: This project is located within the city limits of Gooding, Idaho.

DESCRIPTION: The 1.8 miles of existing lava rock walls that line Little Wood River are in severe disrepair. Design elements of the walls, including narrow bridge abutments and a deteriorating lime-based mortar are contributing to a significant loss of structural integrity. Failure of the walls threatens bridges, streets, public buildings, residences, and the limited environmental habitat.

<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	FY 2010
	<u>n</u>
Estimated Federal Cost	\$9,000,000
Estimated Non-Federal Cost:	\$0
Cash	\$0
Other	\$0
Total Estimated Project Cost	\$9,000,000
Allocation thru FY 2008	\$0
Allocation for FY 2009	\$0
Recovery Act Allocations to Date	\$0
Allocation for FY 2010	\$100,000
Balance to Complete After FY 2010	\$8,900,000
Benefit to Cost Ratio @ 7%	NA

FY2010 ACTIVITIES: Funds will be used to develop a project management plan and initiate activities consistent with implementation guidance.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Phase will complete in FY12.

OTHER INFORMATION: The channel has exhausted its design life and poses a significant flood risk to the community. A reconnaissance study was completed in FY00 that determined a federal interest and recommended a feasibility study be completed. The sponsor was not able to provide the cost share requirement. WRDA 2007 authorized design and construction of a new channel that does not have to be economically justified or cost shared.

CONGRESSIONAL INTEREST: Congressman Simpson (ID-2); Senators Crapo and Risch (ID).

DISTRICT: Walla Walla

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Missouri River Levee System (MRLS), IA, NE, KA, and MO (L-385)

AUTHORIZATION: Flood Control Acts of 1941 and 1944, as amended.

LOCATION: The Kansas City District portions of the project reside on either side of the Missouri River, from Rulo, Nebraska, about 498 miles, to the mouth near St. Louis, Missouri.

DESCRIPTION: The project is a series of levee units and other appurtenant flood protection structures constructed for agricultural lands and small communities.

<u>SUMMARIZED FINANCIAL DATA</u> Construction	FY 2010 <u>n</u>
Estimated Federal Cost	\$ 57,468,000
Estimated Non-Federal Cost	\$ 36,138,000
Cash	\$ 22,000,000
Other	\$ 14,138,000
Total Estimated Project Cost	\$ 93,606,000
Allocation thru FY 2008	\$ 50,468,000
Allocation for FY 2009	\$ 2,500,000
Recovery Act Allocations To Date	\$0
Allocation for FY 2010	\$1,151,000
Balance to Complete after FY 2010	\$ 3,349,000
Benefit to Cost Ratio @ 7%	1.1

FY 2010 ACTIVITIES: Funds will be used to repair the gateway systems.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2012

OTHER INFORMATION: Unit L-385 is physically complete. Subsequent to completion of construction, design and construction deficiencies were discovered that require corrective actions. Section 111 of the Omnibus Appropriation Act of 2009 provided legislation which directed that the corrective actions be accomplished at 100% Federal cost.

CONGRESSIONAL INTEREST: Senator Bond (MO), Representatives Graves (MO-06) and Akin (MO-02).

DISTRICT: Kansas City

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Shoalwater Bay, WA

AUTHORIZATION: Section 545, Water Resources Development Act (WRDA) 2000, as amended by Section 5153, WRDA 2007.

LOCATION: The Shoalwater Bay Indian Reservation is located on the north shore of Willapa Bay in Pacific County 28 miles north of the mouth of the Columbia River.

DESCRIPTION: The project will protect the Shoalwater Reservation from coastal erosion and storm events that coincide with high tides. The Reservation has a high risk of flooding resulting from erosion of the barrier dune that previously protected the area. Severe winter storms in 1999, 2006, and 2007 flooded tribal lands and facilities.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
Construction	n
Estimated Federal Cost	\$13,819,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Project Cost	\$13,819,000
Allocation thru 2008	\$ 3,892,000
Allocation for FY 2009	100,000
Recovery Act Allocation to Date	0
Allocation for FY 2010	2,906,000
Balance to Complete after FY 2010	\$ 6,921,000
Benefit to Cost Ratio @ 7 %	NA

FY 2010 ACTIVITIES: Complete plans and specifications, execute a Memorandum of Agreement, initiate and complete real estate actions and prepare for construction procurement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: The Shoalwater Tribe remains concerned about delays in project implementation.

CONGRESSIONAL INTEREST: Representatives Brian Baird (WA-03) and Norm Dicks (WA-06); Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Swope Park Industrial Area, Kansas City, Missouri

AUTHORIZATION: Sec 1001(29) WRDA 07; P.L. 110-114

LOCATION: The Swope Park Industrial Area is a 50-acre local flood protection project located on the left descending bank of the Blue River. The Blue River drains a highly urbanized 272 square-mile area within the Kansas City metro area. The industrial park is bounded by a Union Pacific Railroad track and the Blue River Channel.

DESCRIPTION: The project consists of a floodwall, levee, an interior drainage system, and streambank stabilization. A rolling gate across the only access to the site is designed to close during a flood event.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 14,993,000
Estimated Non-Federal Cost	\$8,073,000
Cash	\$7,381,000
Other	\$692,000
Total Estimated Project Cost	\$23,066,000
Allocation thru 2008	\$913,000
Allocation for FY 2009	\$638,000
Recovery Act Allocations To Date	\$0
Allocation for FY2010	\$1,938,000
Balance to Complete after FY 2010	\$11,504,000
Benefit to Cost Ratio @ 7%	1.3

FY 2010 ACTIVITIES: Funds will be used to complete the design including plans, specifications and reviews.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2012

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Bond (MO) and Congressman Cleaver (MO-5).

DISTRICT: Kansas City

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 205
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Blacksnake Creek, St. Joseph, MO

AUTHORIZATION: Section 205, Flood Control Act of 1948

LOCATION: The project is located in the northern edge of the city limits of St. Joseph, Missouri along St. Joseph Avenue.

DESCRIPTION: Blacksnake Creek is a left bank tributary of the Missouri River (confluence at river mile 449.1). Total watershed area is 8.2 square miles. Flash flooding within the Blacksnake Creek watershed affects numerous residential, commercial, and industrial properties along St. Joseph Avenue. One of the most serious recent floods occurred in 1984 causing several million dollars in damages. Heavy rains in 2004 threatened severe flooding in that same corridor. This project will develop a comprehensive flood protection project that will reduce flood damages for up to the 1 percent chance (100-year) flood along St. Joseph Avenue.

<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	FY 2010	
		D&I Phase
Estimated Federal Cost	\$ 730,000	\$ 3,640,000
Estimated Non-Federal Cost	\$ 630,000	\$ 1,960,000
Cash	\$ 1,360,000	\$ 5,600,000
Other	0	0
Total Estimated Cost	\$ 1,360,000	\$ 5,600,000
Allocation thru FY 2008	\$ 730,000	0
Allocation for FY 2009	0	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	0
Balance to Complete after FY 2010	0	\$ 3,640,000
Benefit to Cost Ratio @ 7%		

FY 2010 ACTIVITIES: Funds are being used to continue and complete feasibility study with the goal of the final draft report in September 2010. The study has been delayed by technical issues of hydraulic modeling and the coordination with an ongoing city stormwater system study. We will not be able to initiate DI phase until FY 2011.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase completed November 2010. Design & Implementation initiated with PPA in January 2011.

OTHER INFORMATION: The recommendation of the feasibility report will be a detention basin for flood damage reduction. The project represents an excellent opportunity for the City of St. Joseph to coordinate features to correct combined sewer flows in the area.

CONGRESSIONAL INTEREST: Senator Bond, MO, Congressman Graves, (MO-6), Senator McCaskill, MO

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 14
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Bridge 617, Worth, Missouri

AUTHORIZATION: Section 14, Flood Control Act of 1946.

LOCATION: Bridge 617 Highway Bridge is located over Middle Fork of Grand River at Worth, MO in Worth County.

DESCRIPTION: The project will correct severe and rapid erosion on the Middle Fork of the Grand River that is threatening the main Missouri Department of Transportation (MoDOT) highway bridge No 617, which is also a critical farm to market road and the main road through the town of Worth, MO.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 100,000	\$ 455,000
Estimated Non-Federal Cost	0	\$ 245,000
Cash	0	\$ 245,000
Other	0	0
Total Estimated Cost	\$ 100,000	\$ 700,000
Allocation thru FY 2008	\$ 24,000	0
Allocation for FY 2009	\$ 76,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	\$ 65,000
Balance to Complete after FY 2010	0	\$ 390,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete feasibility phase, negotiate and sign the Project Partnership Agreement (PPA) and initiate design of plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase completion in 2010.

OTHER INFORMATION: Erosion is progressing very rapidly and delay of construction past 2011 would be an undue risk to the highway bridge.

CONGRESSIONAL INTEREST: Congressman Graves, MO-6, Senator Bond, Senator McCaskill.

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 205
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Concordia, Kansas

AUTHORIZATION: Section 205, Flood Control Act of 1948

LOCATION: The project is located in Northeastern Kansas in Cloud County along Interstate Hwy 81, and is the County Seat.

DESCRIPTION: Concordia has a flood hazard with potential for high loss of life and property damage exists due to the deteriorated condition of an old earth fill embankment on an unnamed tributary on the south side of the City. This embankment was breached as a result of heavy rainfall in April of 1950 and flood waters devastated the downtown business district. The embankment acts as a detention dam. It was rebuilt and has subsequently been subjected to several high water events over the years. During the 1993 flood, the embankment was close to being overtopped and evacuation of homes immediately downstream was recommended. The condition of the embankment has further degraded over time. There currently is a housing development immediately downstream of the embankment, and the downtown business district is also downstream. There have been several high intensity and large volume rainfall events passing near Concordia in recent years, raising concerns regarding the risk to life and property. The embankment needs to be reconstructed as a flood protection project to current design standards.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 300,000	\$ 1,723,000
Estimated Non-Federal Cost	\$ 200,000	\$ 928,000
Cash	\$ 500,000	\$ 2,651,000
Other	0	0
Total Estimated Cost	\$ 500,000	\$ 2,651,000
Allocation thru FY 2008	0	0
Allocation for FY 2009	\$ 100,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	\$ 200,000	0
Balance to Complete after FY 2010	0	\$ 2,651,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Funds are being used to complete feasibility study. We will sign a feasibility cost sharing agreement in February 2010 and progress the feasibility toward a goal for completion in 2011.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility study June 2011.

OTHER INFORMATION: Feasibility phase will evaluate alternatives for flood damage reduction, with associated upstream habitat restoration benefits. There is good likelihood for a feasible project involving detention structures.

CONGRESSIONAL INTEREST: Senator Roberts, KS, Senator Brownback, KS, and Representative Moran, (KS-01)

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 205
Enacted Project

BUSINESS LINE: Flood and Coastal Flood Damage Reduction

PROJECT/STUDY NAME: Coppei Creek, WA.

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended.

LOCATION: Coppei Creek is located near Waitsburg, Washington.

DESCRIPTION: Coppei Creek located near Waitsburg, Washington, flooded in 1996, causing substantial property damage to the City of Waitsburg. Project includes a combination of levees and floodwalls on the Creek right bank with the City of Waitsburg as the project sponsor. Washington State Department of Transportation has replaced the SR 12/666 Bridge over Coppei Creek.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 144,000	\$, 150,000
Estimated Non-Federal Cost	0	\$ 696,800
Cash	0	0
Other	0	\$ 696,800
Total Estimated Cost	\$ 144,000	\$1,846,800
Allocation thru FY 2008	\$ 144,000	\$ 249,000
Allocation for FY 2009	0	\$ 100,000
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	\$ 200,000
Balance to Complete after FY 2010	0	\$ 601,000
Benefit to Cost Ratio @ 7%	N/A	TBD

FY 2010 ACTIVITIES: The sponsor has proposed an alternative different than the alternative approved by the Corps' feasibility report. The proposed alternative and phased construction approach will be evaluated to determine if the sponsor's plan is acceptable as the recommended plan, and determine if each phase has a benefit cost ratio greater than 1.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: D&I Phase is scheduled to complete 2012.

OTHER INFORMATION: 2010 allocation is dependent on the sponsor signing a Project Partnership Agreement (PPA).

CONGRESSIONAL INTEREST: Congresswoman Mc Morris (WA-5); Senators Murray and Cantwell (WA).

DISTRICT: Walla Walla

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 205
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Crosscreek, Rossville, Kansas

AUTHORIZATION: Section 205, Flood Control Act of 1948.

LOCATION: The project is located on the Kansas River floodplain along Cross Creek in Northwestern Shawnee County, about 18 miles northwest of Topeka on Highway 24.

DESCRIPTION: Cross Creek flows on the west side of town and is tributary to the Kansas River. Rossville experiences frequent flooding from the 178 square miles of drainage area upstream of the city. Severe flooding has occurred in 1951, 1973, 1982, and 1987, and 2005. This project will evaluate alternatives for flood damage reduction with the likely recommendation of a levee and/or channel modification to protect the city.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
Feasibility		<u>D&I Phase</u>
Estimated Federal Cost	\$ 300,000	\$5,331,000
Estimated Non-Federal Cost	\$ 200,000	\$2,871,000
Cash	\$ 0	\$ 0
Other	\$ 0	\$ 0
Total Estimated Cost	\$ 500,000	\$8,202,000
Allocation thru FY 2008	\$ 100,000	\$ 0
Allocation for FY 2009	\$ 0	\$ 0
Recovery Act Allocations To Date	\$ 0	\$ 0
Allocation for FY 2010	\$ 40,000	\$ 0
Balance to Complete after FY 2010	\$ 160,000	\$ 0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete preliminary assessment and prepare for cost shared feasibility study if appropriate.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility 2012.

OTHER INFORMATION: The 1982 event was the flood of record, inundating approximately 250 residences, causing millions of dollars in damages to 90 percent of the town. On October 2, 2005, a severe thunderstorm complex dropped 6-10 inches of precipitation very rapidly over the Cross Creek basin. This caused floodwaters to overflow into the city inundating at least 100 homes, the grade school, the business district, and east side residential area north of Highway 24. Left unprotected, the flood damage risk for the city of Rossville will remain very high. The City and community are very supportive of developing and constructing a Corps flood protection project. A previous Corps of Engineers study completed in 1994 will be very helpful in completing the feasibility study in a more expeditious manner.

CONGRESSIONAL INTEREST: Representative Jenkins (KS-2), Senator Brownback, (KS), and Senator Roberts (KS)

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM. Section 206
Enacted Project

BUSINESS LINE: Environment

PROJECT NAME AND STATE: Dam Break Early Warning System, Silverton, OR

AUTHORIZATION: Section 205 of the Flood Control Act of 1948, as amended.

LOCATION: Silver Creek Dam is located 2 miles from the City of Silverton in Oregon. It stores approximately 1,300 acre-feet of water and would cause extensive flooding and loss of life in the downtown area in the event of a breach.

DISCRIPTION: Provide an early warning detection and notification system to increase the time residents have to evacuate and thereby reducing the risk of loss of life and reducing some portion of damage to property and vehicles.

FY	2010	
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>	<u>D & I Phase</u>
Estimated Federal Cost	\$100,000	\$539,000
Estimated Non-Federal Cost	0	\$291,000
Cash		
Other	0	\$291,000
Total Estimated Project Cost	\$100,000	\$830,000
Allocation thru FY 2008	\$100,000	0
Allocation for FY 2009	0	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	0	\$539,000
Balance to Complete After FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete D&I

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: D&I, 2010

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Ron Wyden (OR) and Jeff Merkley (OR); Representative Kurt Schrader (OR-5).

DISTRICT: Portland

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 205
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Eureka Creek, Manhattan, Kansas

AUTHORIZATION: Section 205, Flood Control Act of 1948

LOCATION: The project is located at the Manhattan Regional Airport approximately 5 miles southwest of the City of Manhattan, Kansas.

DESCRIPTION: Eureka Creek is a left bank tributary of the Kansas River. The total watershed area is approximately 5 square miles, about half of which lies within the Fort Riley Military Reservation. A large portion of the Manhattan Regional Airport is subject to damages from recurring flooding on Eureka Creek, Damages affect the airport facilities and the infrastructure including utilities. Additionally, flooding causes damages to nearby residential areas and commercial development along Kansas Highway (K-18). The study will evaluate plans for detention and diversion structures on Eureka Creek to alleviate flooding. The airport is a potential power projection platform to support the adjacent Fort Riley Army installation in its future expanded mission.

	FY 2010	
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 400,000	\$ 3,153,000
Estimated Non-Federal Cost	\$ 300,000	\$ 1,697,000
Cash	\$ 660,000	\$ 4,805,000
Other	\$ 40,000	0
Total Estimated Cost	\$ 700,000	\$ 4,805,000
Allocation thru FY 2008	\$ 319,000	0
Allocation for FY 2009	\$ 44,000	\$ 50,000
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	0
Balance to Complete after FY 2010	\$ 37,000	\$ 3,103,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: We will complete the draft report in September 2010, and will initiate DI phase in January 2011.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase December 2010.

OTHER INFORMATION: Other ongoing studies include an improvement study for the Manhattan Airport by the City and the FAA, and a transportation study for the adjacent K-18 highway by the Kansas Department of Transportation. These studies will rely very heavily on this feasibility study for necessary flood damage reduction modifications to Eureka Creek that will benefit their projects.

CONGRESSIONAL INTEREST: Senator Roberts, KS, Senator Brownback, KS, and Representative Moran, (KS-01)

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 14
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Platte River Bridge, Conception, Missouri

AUTHORIZATION: Section 14, Flood Control Act of 1946.

LOCATION: The project is located at the City of Conception in Northwestern Missouri, in Nodaway County on the Platte River.

DESCRIPTION: Severe bank erosion of the Platte River over an 800 foot length is threatening to undermine and cut off access to the major concrete county bridge at Conception, Missouri.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 27,000	\$ 349,000
Estimated Non-Federal Cost	0	\$ 187,000
Cash	0	0
Other	0	0
Total Estimated Cost	\$ 27,000	\$ 536,000
Allocation thru FY 2008	\$ 27,000	\$ 287,000
Allocation for FY 2009	0	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	\$ 62,000
Balance to Complete after FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete 100% design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: D&I Phase, 2011

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Bond (MO), Senator McCaskill (MO), Congressman Graves, MO-6

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 205
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Platte River, Schuyler, Nebraska

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended

LOCATION: The project area is located along a reach of the Platte River generally adjacent to Schuyler, Nebraska, the county seat for Colfax County. The Platte River is located approximately 1.5 miles south of the city. Lost Creek, a minor tributary of the Platte River, runs along the southern edge of the community. Another tributary to the Platte River, Shell Creek, lies just to the east of Schuyler. Most of the land surrounding Schuyler is used for agricultural purposes

DESCRIPTION: Schuyler is subject to flooding from both the Platte River and Shell Creek. The current FEMA Flood Insurance Rate Map for Schuyler indicates that a portion of the city is within the 100-year flood plain. A draft flood insurance rate map developed by the Corps for FEMA now indicates that the Platte River 100-year floodplain will extend well into heavily developed areas of Schuyler – areas which had not previously been designated as lying within the 100-year floodplain. An initial assessment of the Platte River flooding problem and potential solutions at Schuyler has been completed. Based on the information developed for the assessment, a levee system is a feasible alternative to reduce flood damages in the community.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 495,000	\$2,705,000
Estimated Non-Federal Cost	\$ 395,000	\$1,456,000
Cash	\$335,800	\$208,050
Other	\$59,200	\$1,247,500
Total Estimated Cost	\$ 890,000	\$4,161,000
Allocation thru FY 2008	\$325,000	\$ 0
Allocation for FY 2009	\$ 90,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	\$80,000	\$50,000
Balance to Complete after FY 2010	0	\$2,655,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete the draft feasibility report, secure permits, conduct the Alternatives Formulation Briefing with Northwestern Division, complete public involvement and incorporate comments, finalize cost estimates, and finalize the report for Division approval. Initiate the Design and Implementation Phase with the preparation of a Project Management Plan (PMP), negotiate and execute a Project Partnership Agreement (PPA), and initiate design phase activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Feasibility Phase will be completed this fiscal year. Based upon an approved report, the Design and Implementation Phase and project completion may be completed by 2013.

OTHER INFORMATION: Major Shell Creek floods have occurred as recently as 1990 and 2008, doing extensive property damage to northeastern Schuyler during both events.

CONGRESSIONAL INTEREST: Representative Fortenberry (NE-01), Senators Ben Nelson (D-NE) and Mike Johanns (R-NE)

DISTRICT: Omaha

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 205
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Randolph, NE (Middle Logan Creek)

AUTHORIZATION: Section 205, Flood Control Act of 1948, (PL 80-858), as amended

LOCATION: This project is located at Middle Logan Creek in Randolph, Nebraska

DESCRIPTION: This project will remove or reduce the threat of major flood events and remove most of the community from the 100-year flood plain. One alternative, the locally preferred plan, involves bridge replacement, and channel improvements to convey large floods through the city of Randolph, Nebraska.

FY	2010	
<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	D&I	Phase
Estimated Federal Cost	\$ 384,000	\$ 6,616,000
Estimated Non-Federal Cost	\$ 284,000	\$3,562,000
Cash	\$278,500	\$508,900
Other	\$5,500	\$3,053,100
Total Estimated Cost	\$ 668,000	\$10,178,000
Allocation thru FY 2008	0	0
Allocation for FY 2009	0	\$50,000
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	\$75,000
Balance to Complete after FY 2010	0	\$6,491,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete the draft feasibility report, secure permits, conduct the Alternatives Formulation Briefing with Northwestern Division, complete public involvement and incorporate comments, finalize cost estimates, and finalize the report for Division approval. Initiate the Design and Implementation Phase with the preparation of a Project Management Plan (PMP), negotiate and execute a Project Partnership Agreement (PPA), and initiate design phase activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Feasibility Phase will be completed this fiscal year. Based upon an approved report, the Design and Implementation Phase and project completion may be completed by 2013.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Representative Adrian Smith, (NE-03), Senators Ben Nelson (D-NE) and Mike Johanns (R-NE)

DISTRICT: Omaha

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 14
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Route EE Bridge, Sullivan City, MO

AUTHORIZATION: Section 14, Flood Control Act of 1946.

LOCATION: Route EE Highway Bridge is located over Middle Fork of Medicine Creek at Newtown, Missouri in Sullivan County.

DESCRIPTION: The project will construct stone channel toe and revetment structures to correct severe and rapid erosion on Middle Fork Medicine Creek that is threatening the Missouri Department of Transportation (MoDOT) Route EE highway bridge over the creek.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility D&I</u>	<u>Phase</u>
Estimated Federal Cost	\$ 100,000	\$ 455,000
Estimated Non-Federal Cost	0	\$ 245,000
Cash	0	\$ 245,000
Other	0	0
Total Estimated Cost	\$ 100,000	\$ 700,000
Allocation thru FY 2008	\$ 50,000	0
Allocation for FY 2009	\$ 50,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	\$ 75,000
Balance to Complete after FY 2010	0	\$ 380,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete feasibility phase, negotiate and sign the Project Partnership Agreement (PPA) and initiate design of plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase completion in 2010.

OTHER INFORMATION: Erosion is progressing very rapidly and delay of construction past 2011 would be an undue risk to the highway bridge.

CONGRESSIONAL INTEREST: Congressman Graves, MO-6, Senator Bond, Senator McCaskill.

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 205
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Snoqualmie River at Snoqualmie, WA

AUTHORIZATION: Section 205 of 1948 Flood Control Act (PL 80-858) as amended.

LOCATION: The City of Snoqualmie is located in the middle of King County about 25 miles east of the City of Seattle.

DESCRIPTION: The project consists of Snoqualmie River channel widening just upstream of Snoqualmie Falls and removal of an abandoned railroad bridge near the city. The project reduces the impacts of flooding from lower frequency flood events.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility D&I</u>	<u>Phase</u>
Estimated Federal Cost	\$260,000	\$ 4,618,000
Estimated Non-Federal Cost	\$160,000	\$ 2,416,000
Cash	\$160,000	TBD
Other	0	TBD
Total Estimated Cost	\$420,000	\$ 7,034,000
Allocation thru FY 2008	\$260,000	\$ 4,598,000
Allocation for FY 2009	0	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	\$20,000
Balance to Complete after FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Turn over completed project to non-federal sponsor, complete final accounting, and close-out project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: D&I Phase 2010

OTHER INFORMATION: The project has the support of the sponsor (King County), the City of Snoqualmie, and the principal land owner at the channel widening site (Puget Sound Energy).

CONGRESSIONAL INTEREST: Representative Dave Reichert (WA-08); Senators Patty Murray (D-WA) and Maria Cantwell (D-WA)

DISTRICT: Seattle

NAVIGATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Grays Harbor, Washington (Grays Harbor at Chehalis River, WA)

AUTHORIZATION: Section 22 of the Water Resource Development Act 1986, Public Law 99-662 authorized channel deepening to 38 feet.

LOCATION: The Grays Harbor navigation project is located 65 miles southwest of Seattle on the central coast of Washington. The cities of Aberdeen and Hoquiam, Ocean Shores, and Westport are located within the large harbor.

DESCRIPTION: Based on a General Design Memorandum dated February 1989, the deep draft channel was deepened to 36 feet, two feet less than the fully-authorized depth of 38 feet. The Port of Grays Harbor has requested deepening the channel the additional two feet to accommodate larger vessels. Reconnaissance phase is scheduled to complete in 2010.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u> Reconnaissance	
Estimated Federal Cost	\$148,000
Estimated Non-Federal Cost	0
Cash 0	
Other 0	
Total Estimated Cost	\$148,000
Allocation thru 2008	\$98,000
Allocation for FY 2009	0
Recovery Act Allocation to Date	0
Allocation for FY 2010	\$269,000 1/
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7 %	N/A
1/ \$219,000 for Feasibility phase	

FY 2010 ACTIVITIES: Project Management Plan will be prepared, a Feasibility Cost Sharing Agreement negotiated and executed, and feasibility studies scoped.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Reconnaissance, 2010

OTHER INFORMATION: The Reconnaissance Report has been approved. Feasibility costs and schedule are in development.

CONGRESSIONAL INTEREST: Representative Norm Dicks (WA-06), Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 107
Enacted Project

BUSINESS LINE: Navigation

PROJECT NAME AND STATE: Columbia River Navigation Improvements, OR and WA

AUTHORIZATION: Section 107 of the River and Harbors Act of 1960, as amended.

LOCATION: Portland/Vancouver, OR, Longview and Kalama WA, anchorages in the Columbia River.

DISCRIPTION: Feasibility study to identify alternatives to expand the existing anchorage infrastructure, to accommodate larger vessels expected to use the new 43 ft navigation channel and to improve operational efficiencies and safety.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	
	<u>Feasibility</u>	<u>D & I Phase</u>
Estimated Federal Cost	\$ 175,000	\$1,320,000
Estimated Non-Federal Cost	\$75,000	\$730,000
Cash		
Other	\$75,000	\$730,000
Total Estimated Project Cost	\$250,000	\$2,050,000
Allocation thru FY 2008	\$2,000	0
Allocation for FY 2009	\$40,000	0
Recovery Act Allocation To Date	0	0
Allocation for FY 2010	\$133,000	0
Balance to Complete After FY 2010	0	\$2,050,000
Benefit to Cost Ratio @ 7%	0	0

FY 2010 ACTIVITIES: Complete Feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, FY10

OTHER INFORMATION: Critical for utilization of new 43 ft navigation channel on Columbia River.

CONGRESSIONAL INTEREST: Senators Patty Murray (WA) and Maria Cantwell (WA); Senators Ron Wyden (OR) and Jeff Merkley (OR); Representative Brian Baird (WA-3) and Earl Blumenauer (OR-3)

DISTRICT: Portland

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 204
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Kansas River Basin, Regional Sediment Management Plan

AUTHORIZATION: Section 204, Water Resources Development Act of 1992, as amended

LOCATION: Kansas River Basin & Tributaries

DESCRIPTION: Coordination and collaboration with State and Regional Interests focusing on development of statewide sediment management plans. The project will conduct an assessment of critical factors affecting stream geomorphology, bed transitions, and systemic erosion issues in selected sub-watersheds above Federal water supply reservoirs in the Kansas River Basin. The research and field studies will result in a report that provides identification of areas that have the highest impact on water quality (Total Suspended Solids) and downstream sedimentation affecting water supply and identify candidate stream reaches for future erosion, provide a key component of the State of Kansas Regional Sediment Planning, and also benefit the Federal reservoirs.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Feasibility</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	0
Allocation for FY 2009	\$200,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	\$100,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue participation in cooperation with the State of Kansas to perform in-depth analysis and restoration assessments at four critical stream reaches in the Kansas River Basin. Of the four reaches, Tuttle Creek Lake on the Little Blue or Big Blue or Black Vermillion for the development of comprehensive regional management of sedimentation plans. The analysis of these segments will be included in the final report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Ongoing efforts to support State lead activities within the Kansas River Basin and Tributaries.

OTHER INFORMATION: Communication and collaboration is ongoing amongst the states located in the Kansas River Basin to identify opportunities to utilize materials generated from Federal projects located within the Kansas Basin. It is the intent that these efforts will lead to site specific opportunities to partner on cost shared measures and report development.

CONGRESSIONAL INTEREST: Congressman Jenkins, (KS) Senators Brownback and Roberts

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 204
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Missouri River, Regional Sediment Management Plan

AUTHORIZATION: Section 204, Water Resources Development Act of 1992, as amended

LOCATION: Pick-Sloan Missouri River Basin & Tributaries

DESCRIPTION: Coordination and collaboration with State and Regional Interests focusing on development of statewide sediment management plans

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Feasibility</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	0
Allocation for FY 2009	\$200,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	\$25,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue participation in cooperation with the States of Wyoming, North Dakota, South Dakota, Montana and Nebraska toward the development of comprehensive regional management of sedimentation plans.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Ongoing efforts to support State lead activities within the Pick-Sloan Missouri River Basin and Tributaries.

OTHER INFORMATION: Communication and collaboration is ongoing amongst the states located in the Missouri River Basin to identify opportunities to utilize materials generated from Federal projects located within the Pick-Sloan Missouri River Basin. It is the intent that these efforts will lead to site specific opportunities to partner on cost shared measures and report development.

CONGRESSIONAL INTEREST: Senators Barrasso (R-WY), Enzi (R-WY), Dorgan (D-ND), Conrad (D-ND), Johnson (D-SD), Thune (R-SD), Baucus (D-MT), Tester (D-MT), Nelson (D-NE), and Johanns (R-NE).

DISTRICT: Omaha

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 204
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Snake River Regional Sediment Management Planning, ID.

AUTHORIZATION: Section 204 of Water Resources Development (WRDA) 1992, as amended.

LOCATION: Idaho

DESCRIPTION: Coordination and collaboration with State and Regional Interests focusing on development of statewide sediment management plans in Idaho

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	0
Allocation for FY 2009	\$100,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	\$12,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Attend meetings and participate in state regional sediment management planning efforts.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Ongoing efforts to support State lead activities within Idaho.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressmen Minnick (ID-1) and Simpson (ID-2); Senators Risch and Crapo (ID).

DISTRICT: Walla Walla

AQUATIC ECOSYSTEM RESTORATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Amazon Creek, OR (Eugene-Springfield Metro Waterways Study) – Continuing.

AUTHORIZATION: House Committee on Public Works resolution for Willamette Basin Review Study, adopted September 8, 1988.

LOCATION: Eugene-Springfield metro area is located in Lane County, Oregon at the southern end of the Willamette Valley at the junction of several rivers: Willamette, McKenzie, Middle Fork Willamette, Coast Fork Willamette and Amazon Creek (major tributary to Long Tom River).

DESCRIPTION: Multi-phased Feasibility Study on ecosystem restoration to address water resource problems in an urban watershed and define and develop methods to address general system/watershed needs generate a list of potential projects with associated solutions, create a prioritization framework, and develop detailed designs for projects throughout the first two to four specific waterways. Phase 1 focus is on Amazon and Cedar creeks. Currently scoping Phase 2. Reconnaissance phase completed FY 2003.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Feasibility Study</u>
Estimated Federal Cost	\$ 2,750,000
Estimated Non-Federal Cost	\$ 2,750,000
Cash	\$ 600,000
Other	\$ 2,150,000
Total Estimated Cost	\$ 5,500,000
Allocation thru FY 2008	\$ 1,025,000
Allocation for FY 2009	\$ 287,000
Recovery Act Allocations To Date	\$ 438,000
Allocation for FY 2010	\$ 134,000
Balance to Complete after FY 2010	\$ 866,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete Phase 1 by end of FY 2010 or first quarter FY 2011.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2011

OTHER INFORMATION: Feasibility Cost Sharing Agreement (FCSA) was signed in September 2003. Project sponsors have requested a \$2 million increase to FCSA.

CONGRESSIONAL INTEREST: Representative Peter Defazio (OR-04) and Senators Jeff Merkley (OR) and Ron Wyden (OR).

DISTRICT: Portland

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Chehalis River Basin, WA (Chehalis River Basin).

AUTHORIZATION: Resolution of the Committee on Transportation and Infrastructure, Docket 2581, October 9, 1998.

LOCATION: The Chehalis River Basin covers over 2,600 square miles in southwestern Washington.

DESCRIPTION: The purpose of the study is to evaluate options for ecosystem restoration such as wetlands and riparian habitats, as well as evaluating options to provide flood risk management within the basin. The non-federal sponsor is Grays Harbor. Reconnaissance is complete and the Feasibility Cost Sharing Agreement (FCSA) was signed August 2001.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	
Estimated Federal Cost	\$ 2,654,000
Estimated Non-Federal Cost	\$2,654,000
Cash 0	
Other \$2,654,000	
Total Estimated Cost	\$ 5,308,000
Allocation thru 2008	\$ 1,063,000
Allocation for FY 2009	\$574,000
Recovery Act Allocation to Date	0
Allocation for FY 2010	\$672,000
Balance to Complete after FY 2010	\$345,000 <u>1/</u>
Benefit to Cost Ratio @ 7 %	N/A

1/ Re-scoping study cost. Estimate not available at this time.

FY 2010 ACTIVITIES: Revising the Project Management Plan to include more study of flood damage reduction activities, sign an amended Feasibility Cost Share Agreement and prepare scope of work for a feasibility decision document. Continue environmental without project condition assessment.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2013

OTHER INFORMATION: The study allows for identification of measures to reduce flood risks throughout the basin along with ecosystem restoration. Grays Harbor has recently indicated they would like to pursue increasing the scope of the study to include flood risk management. This proposed re-scoping will increase the Feasibility phase costs.

CONGRESSIONAL INTEREST: Representatives Brian Baird (WA-03) and Norm Dicks (WA-06) and Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Environment

PROJECT/STUDY NAME: James River, North Dakota and South Dakota

AUTHORIZATION: Section 557, Water Resources Development Act (WRDA) 1996.

LOCATION: The James River headwaters begin in Wells Count, North Dakota. The river flows south through eastern North Dakota and eastern South Dakota, with the confluence to the Missouri River just south of Yankton, South Dakota.

DESCRIPTION: The primary study purposes are flood damage mitigation and ecosystem restoration. The goals are to improve flood conveyance, to increase the riparian habitat, and address wetland restoration.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Reconnaissance</u>
Estimated Federal Cost	\$150,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$150,000
Allocation thru FY 2008	0
Allocation for FY 2009	0
Recovery Act Allocations To Date	0
Allocation for FY 2010	\$150,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: A new reconnaissance study will be initiated within the State of North Dakota to determine if water resource problems warrant Federal participation in a feasibility study, and to define the Federal interest, regarding flood risk management on the James River in North Dakota. If a 905(b) Analysis Report is approved, and funds are sufficient, develop a Project Management Plan and execute a Feasibility Cost Share Agreement (FCSA).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Reconnaissance, 2010

OTHER INFORMATION: Existing project James River, South Dakota, under a FCSA within the State of South Dakota, carryover FY09 funds will be used to complete an evaluation of land use vegetation on tributary watersheds to determine the affect on flood damages as they relate to the overall study effort.

CONGRESSIONAL INTEREST: Senator Kent Conrad (ND), Senator Byron Dorgan (ND), Senator Tim Johnson (SD), Senator John Thune (SD); Representative Earl Pomeroy (ND-AL), and Representative Stephanie Herseth-Sandlin (SD-AL)

DISTRICT: Omaha

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Missouri River Basin Study, NE, IA, KS, MO, MT, ND, SD

AUTHORIZATION: Omnibus Appropriations Act of 2009, P.L. 111-8, Division C, Title I, Section 108.

LOCATION: The study encompasses the Missouri River Basin.

DESCRIPTION: Review the original authorized purposes based on the Flood Control Act of 1944, as amended, and other-subsequent relevant legislation and judicial rulings to determine if changes to the authorized project purposes and existing Federal water resource infrastructure may be warranted.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 25,000,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$25,000,000
Allocation thru FY 2008	0
Allocation for FY 2009	\$2,868,000
Recovery Act Allocations to Date	0
Allocation for FY 2010	\$4,483,000
Balance to Complete after FY 2010	\$17,649,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Collaborate with stakeholders, representatives from other federal and state agencies to identify problems and opportunities on the main stem Missouri River; Focus Group and Scoping Meetings; development of Program Management Plan and Project Management Plan to include a detailed communication plan and an Independent External Review Plan; identify the necessary products, schedule & budgets for current and future project phases.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2014

OTHER INFORMATION: Considerable public and political controversy. Potential would exist for significant changes to system operations based on any changes to authorized purposes.

CONGRESSIONAL INTEREST: Representatives Steve King (IA-05), Lynn Jenkins (KS-02), Dennis Moore (KS-03), William LACY CLAY (MO-01), W. Todd Akin (MO-02), Ike Skelton (MO-04), Emanuel Cleaver (MO-05), Sam Graves (MO-06), Blaine Luetkemeyer (MO-09), Dennis Rehberg (MT-AL), Jeff Fortenberry (NE-01), Lee Terry (NE-02), Adrian Smith (NE-03), Earl Pomeroy (ND-AL), Stephanie Herseth-Sandlin (SD-AL), and Senators Charles Grassley (R-IA), Tom Harkin (D-IA), Sam Brownback (R-KS), Christopher "Kit" Bond (R-MO), Claire McCaskill (D-MO), Max Baucus (D-MT), Jon Tester (D-MT), Mike Johanns (R-NE), Ben Nelson (D-NE), Kent Conrad (D-ND), Byron Dorgan (D-ND), John Thune (R-SD), and Tim Johnson (D-SD).

DISTRICT: Omaha

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Puyallup River, Washington

AUTHORIZATION: Section 209, 1962 Flood Control Act (P.L. 87-874); Resolution of the Committee on Transportation and Infrastructure, Docket 2645, June 21, 2000 (White River, Washington)

LOCATION: Puyallup River basin; composed of the White and Puyallup Rivers, in Pierce and King Counties in Washington state.

DESCRIPTION: Pierce County is interested in addressing flooding issues resulting from a recent decertification of the levee system for parts of the cities of Puyallup and Tacoma by the Federal Emergency Management Agency (FEMA). The Puyallup River has also experienced increasingly severe flooding with major impacts to the surrounding infrastructure upstream of their levee system. King County has recently requested adding studies to evaluate sedimentation issues in the White River related to the operation of the Corps' Mud Mountain Dam. The study will also focus on potential ecosystem restoration components that will conjointly relieve flooding issues.

<u>SUMMARIZED FINANCIAL DATA</u> FY	<u>2010</u>	<u>FY 2010</u>
Estimated Federal Cost	\$152,000	\$3,000,000
Estimated Non-Federal Cost	\$152,000	\$3,000,000
Cash	0	2,000,000
Other	0	,000,000
Total Estimated Cost	\$152,000	\$6,000,000
Allocation thru 2008	\$48,000	0
Allocation for FY 2009	\$54,000	\$96,000
Recovery Act Allocation to Date	0	0
Allocation for FY 2010	\$50,000	\$318,000
Balance to Complete after FY 2010	0	\$2,586,000 ^{1/}
Benefit to Cost Ratio @ 7 %	N/A	N/A

^{1/} Re-scoping with new sponsor.

FY 2010 ACTIVITIES: Sign a Feasibility Cost Sharing Agreement with the new sponsor. Using FY09 and FY10 Feasibility funding: initiate feasibility study to include hydraulic and hydrologic evaluations for without project conditions and initiate economic and channel sedimentation studies.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Reconnaissance 2010, Feasibility 2015.

OTHER INFORMATION: The Sponsor provided a Letter of Intent dated 29 September 2009, which requested the study includes the Carbon, White, and Puyallup River Basins. The current study scope includes the lower 8 miles of the Puyallup River Basin.

CONGRESSIONAL INTEREST: Representative Dave Reichert (WA-08), Adam Smith (WA-09) and Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Skokomish River Basin, Washington

AUTHORIZATION: Section 209 of the Flood Control Act of 1962 (PL 87-874).

LOCATION: Mason County and the Skokomish Indian Reservation, Washington. The River basin is located in northwest Washington, along the southeast portion of the Olympic Peninsula.

DESCRIPTION: The Skokomish River is the primary drainage basin for the southeast region of the Olympic Peninsula and flows from the Olympic Mountains into Hood Canal. The basin consists of 80 river miles and 260 miles of tributaries. Since 1884, 33% (~1700 acres) of the lower Skokomish basin wetlands have been lost including estuarine wetlands. Flow alterations from Cushman Dam have contributed to isolation of side channels, impacted habitat species and effects Endangered Species Act (ESA) listed species (Puget Sound Chinook, Hood Canal summer chum and bull trout). Alternative measures being considered include connections of isolated off-channel habitats and restoration of wetlands that may provide incidental flood damage reduction benefits. Other measures may provide more substantial flood risk management benefits. Reconnaissance is complete and the Federal Cost Sharing Agreement (FCSA) was signed July 2006.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Feasibility</u>
Estimated Federal Cost	\$2,193,000
Estimated Non-Federal Cost	\$2,193,000
Cash	\$543,000
Other \$1	,650,000
Total Estimated Cost	\$4,386,000
Allocation thru 2008	\$649,000
Allocation for FY 2009	\$732,000
Recovery Act Allocation to Date	0
Allocation for FY 2010	\$430,000
Balance to Complete after FY 2010	\$382,000 1/
Benefit to Cost Ratio @ 7 %	N/A
1/ Re-scoping to expand project area	

FY 2010 ACTIVITIES: Continue work on the without project conditions report, and conduct public project scoping workshops.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2012

OTHER INFORMATION: A favorable 905(b) report was completed in 2000, but the study was deferred at the sponsor's request in 2002. The FCSA was signed in 2006. Washington State government, Tribal nations, and local and national non-governmental organizations (NGOs) have identified this study as a critical component to the success of other Puget Sound ecosystem recovery, including the low oxygen conditions in the Hood Canal basin that are responsible for annual fish kills.

CONGRESSIONAL INTEREST: Representative Norm Dicks (WA-06) and Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Stillaguamish River Basin, Washington

AUTHORIZATION: Section 101, Water Resources Development Act (WRDA) 2000

LOCATION: The Stillaguamish River Basin, Snohomish County, Washington. The Stillaguamish River has its origins in the Cascade Mountains, flows west to Port Susan Bay and eventually to the Strait of Juan de Fuca part of the Puget Sound watershed in western Washington State.

DESCRIPTION: The authorized ecosystem restoration project encompasses the entire Stillaguamish River ecosystem from tidal estuaries to the spawning and wildlife areas in the upper basin for Endangered Species Act (ESA) listed fish. The project emphasizes the restoration of critical habitat within the basin and will include full coordination of project design with interested federal, state and local agencies and tribes. Project features include: fish ladders, stream restoration, landslide stabilization, as well as river estuary restoration. \$21.4M is the total federal cost of Stillaguamish. Hat Sough Estuary Restoration is the only site considered at this time, its total cost is \$2.1M (2000 price level). Reconnaissance and feasibility phases are complete.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA</u> PED	
Estimated Federal Cost	\$252,000
Estimated Non-Federal Cost	\$63,000
Cash 0	
Other \$63,000	
Total Estimated Cost	\$315,000
Allocation thru 2008	\$52,000
Allocation for FY 2009	0
Recovery Act Allocation to Date	0
Allocation for FY 2010	\$90,000
Balance to Complete after FY 2010	\$ 110,000
Benefit to Cost Ratio @ 7 %	N/A

FY 2010 ACTIVITIES: Meet with The Nature Conservancy (TNC) to establish a plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD

OTHER INFORMATION: TNC sent a Letter of Intent to sponsor the Hat Slough project on May 7 of 2009. The Hat Slough element of this project is an Environmental project and TNC wanted to consider flood damage as an additional element. Given the minimal funding and the desire to consider an additional project purpose, TNC does not wish to proceed at this juncture. TNC and Seattle District will remain engaged however FY10 activities are not determinable at this time.

CONGRESSIONAL INTEREST: Rick Larsen (WA-02), Senator Murray, Senator Cantwell

DISTRICT: Seattle

FACT SHEET
INVESTIGATIONS
Enacted Study

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Walla Walla River Basin, Oregon and Washington

AUTHORIZATION: Resolution of the Senate Committee on Public Works adopted July 27, 1962 (Columbia River and Tributaries).

LOCATION: The project is located on the mainstem and tributaries of the Walla Walla River in Southeast Washington and Northeast Oregon.

DESCRIPTION: The purpose of the project is environmental restoration; focusing primarily on establishing year round instream flows for Endangered Species Act (ESA) listed species and reintroduction of Chinook salmon. Reconnaissance phase is complete and the Feasibility Cost Sharing Agreement was signed May 2002.

<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	FY 2010	
		<u>PED</u>
Estimated Federal Cost	\$3,935,000	\$6,750,000
Estimated Non-Federal Cost:	\$3,885,000	\$2,250,000
Cash	\$0	\$250,000
Other	\$0	\$2,000,000
Total Estimated Cost	\$7,820,000	\$9,000,000
Allocation thru FY 2008	\$3,626,000	\$0
Allocation for FY 2009	\$295,000	\$0
Recovery Act Allocations to Date	\$0	\$0
Allocation for FY 2010	\$14,000	\$156,000
Balance to Complete After FY 2010	\$0	\$6,594,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY2010 ACTIVITIES: Conduct Alternative Formulation Briefing (AFB), issue draft report for public review, complete Agency Technical Review and Independent External Peer Review, submit final report to Corps Headquarters for policy review and approval, and initiate PED.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2010

OTHER INFORMATION: Study scope has been expanded to include a new measure, Shallow Aquifer Recharge. Also, delays in deliverables and project team changes have caused a schedule extension. Anticipate completion of final feasibility documents in April 2010. These products are required for alternative evaluation.

CONGRESSIONAL INTEREST: Congresswoman McMorris-Rodgers (WA-5) Congressman Walden (OR-2); Senators Murray and Cantwell (WA), Senators Wyden and Merkley (OR).

DISTRICT: Walla Walla

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Ft Peck Cabin Conveyance, MT (Charles M. Russell National Wildlife Refuge Enhancement Act of 2000.)

AUTHORIZATION: River & Harbor Act of 1935 (PL 74-409); PL 75-529; Title VIII of the Water Resources Development Act of 2000 (P.L. 106-541) a.k.a. the Charles M. Russell (CMR) National Wildlife Refuge Enhancement Act of 2000.

LOCATION: The project is located 20 miles southeast of Glasgow, Montana on Montana Highway 24 or 10 miles southwest of Nashua, Montana on Montana Highway 117.

DESCRIPTION: The project is authorized for conveyance of cabin sites located within 4 Cabin Areas on the Ft. Peck Project to be conveyed to current lease holders. There are 392 individual cabin lots located in 4 cottage areas around the eastern portion of Fort Peck Lake, Montana. These are on federal lands managed by the USACE and within the exterior boundaries of the CMR National Wildlife Refuge.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u> Constructio	n
Estimated Federal Cost	\$ 5,000,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Project Cost	\$5,000,000
Allocations thru FY 2008	\$882,000
Allocation for FY 2009	1,500,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	969,000
Balance to Complete after FY 2010	\$1,649,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Contract for sanitation assessments and engineering services. Funds will also be used for surveys, appraisals, contract administration, and deed and patent preparation. Continue communication strategy with stakeholders, specifically cabin owners, USF&W, Ft. Peck Lake Association, BLM, and Montana DEQ.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2013

OTHER INFORMATION:

CONGRESSIONAL INTEREST: Senator Max Baucus (MT), Senator Jon Tester (MT); Representative Dennis Rehberg (MT-AL)

DISTRICT: Omaha

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Missouri and Middle Mississippi Rivers Enhancement, MO

AUTHORIZATION: Section 514 (b)(1) of the 1999 Water Resources Development Act (WRDA), as amended.

LOCATION: The project area includes the Middle Mississippi River, from the mouth of the Ohio River to the mouth of the Missouri River, and the Missouri River, from its mouth to its headwaters near Three Forks, Montana.

DESCRIPTION: The project provides for actions to protect and enhance fish and wildlife habitat compatible with water-related needs of the region. A variety of projects are in the planning phase. The program enjoys strong support among stakeholders and complements the habitat restoration and endangered species focus of the Missouri River Recovery Program and other activities.

<u>SUMMARIZED FINANCIAL DATA</u> Constructio	FY 2010 <u>n</u>
Estimated Federal Cost	TBD
Estimated Non-Federal Cost	NA
Cash	NA
Other	NA
Total Estimated Project Cost	TBD
Allocation thru 2008	\$ 1,965,000
Allocation for FY 2009	\$518,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	\$440,000
Balance to Complete After FY 2010	TBD
Remaining Benefits Remaining Costs Ratio at 7%	NA

FY 2010 ACTIVITIES: Funds will be used to progress feasibility studies at Parkville, MO; Contrary Lake, MO; and Osage River, MO.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: This authority is programmatic in nature. WRDA 2007, Section 5010 extended authorization to 2015.

OTHER INFORMATION: The projects enable States to assemble corridors of environmentally revitalized river channel and adjacent floodplain habitat. The project aids in addressing threatened and endangered species issues on the Missouri and Middle Mississippi Rivers.

CONGRESSIONAL INTEREST: Senators Bond (MO) and Grassley (IA), Representatives Graves (MO-06), and King (IA-05).

DISTRICT: Kansas City

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Missouri River Restoration, ND

AUTHORIZATION: Title VII of the Water Resources Development Act of 2000 (P.L. 106-541)

LOCATION: The potential projects located on the Missouri River in the State of North Dakota.

DESCRIPTION: The potential projects will be tailored to reduce siltation in the Missouri River in the State of North Dakota and meet the objectives of the Pick-Sloan program by developing and implementing a long term strategy for the Missouri River to improve conservation, protect recreation from sedimentation, improve water quality; improve erosion control, and protect historical and cultural sites from erosion.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction</u>
Estimated Federal Cost	\$25,000,000
Estimated Non-Federal Cost	TBD
Cash	TBD
Other	TBD
Total Estimated Project Cost	TBD
Allocations thru FY 2008	\$763,000
Allocation for FY 2009	287,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	138,000
Balance to Complete After FY 2010	\$23,812,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Continue implementation of site specific studies with various partners within the State of North Dakota.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD

OTHER INFORMATION: The District Commander is the representative for the Secretary of the Army and serves as the Task Force Chairman. The Task Force is an advisory group, authorized to make recommendations. The Corps will receive the recommendations from the Task Force and work with the cost-share partners on the projects.

CONGRESSIONAL INTEREST: Senators Dorgan (ND) and Conrad (ND) and Representative Pomeroy (ND-AL)

DISTRICT: Omaha

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Puget Sound & Adjacent Waters Restoration, WA

AUTHORIZATION: Section 544, WRDA 2000

LOCATION: The project area, Puget Sound watershed, encompasses over 15,000 square miles in northwest Washington State, and incorporates all waters in the Puget Sound drainage basin and the Strait of Juan de Fuca.

DESCRIPTION: The program implements restoration projects with immediate ecosystem benefits by using existing plans to the maximum extent practical. Priority projects are selected in consultation with the regional stakeholders including non-profit organizations, state and federal agencies and tribes.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
Constructio	n
Estimated Federal Cost	\$40,000,000
Estimated Non-Federal Cost	20,000,000
Cash	0
Other	20,000,000
Total Estimated Project Cost	\$ 60,000,000
Allocation thru 2008	\$ 6,107,000
Allocation for FY 2009	100,000
Recovery Act Allocation to Date	293,318
Allocation for FY 2010	100,000
Balance to Complete after FY 2010	\$ 33,399,682
Benefit to Cost Ratio @ 7 %	NA

FY 2010 ACTIVITIES: Funds will be used to initiate feasibility studies for Dungeness Estuary Levee and Snohomish Diking No 6.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2018

OTHER INFORMATION: Puget Sound and Adjacent Waters Restoration is supported by multiple state and local agencies, and is a key component of the 2008 Puget Sound Partnership Action Agenda. The program is part of an ongoing effort to restore and improve anadromous fish habitat throughout the Sound, especially following the Endangered Species Act salmon listings of March 1999. Many view this initiative as a critical delivery process for scientifically sound ecosystem restoration.

CONGRESSIONAL INTEREST: Representatives Jay Inslee (WA-01), Rick Larsen (WA-02), Brian Baird (WA-03), Norm Dicks (WA-06), Jim McDermott (WA-07), David Reichert (WA-08), and Adam Smith (WA-09); and Senators Patty Murray (D-WA) and Maria Cantwell (D-WA).

DISTRICT: Seattle

CONTINUING AUTHORITIES PROGRAM

FACT

SHEET

CONTINUING AUTHORITIES PROGRAM, Section 206

Enacted

Project

BUSINESS LINE: Environment

PROJECT NAME AND STATE: Beaver Creek, OR

AUTHORIZATION: Section 206 of the 1996 Water Resources Development Act, as amended.

LOCATION: Project is located along the lower 3 miles of Beaver Creek within the Cities of Gresham and Troutdale, in Multnomah County, Oregon.

DESCRIPTION: The project will investigate the replacement of four (4) downstream culverts and open upstream access for anadromous fish. Fish passage barriers are one factor in declining fish species because they block significant areas historically utilized by anadromous fish. Beaver Creek is a significant tributary to the Sandy river and provides habitat for Endangered Species Act (ESA) listed and threatened fish species.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	
	<u>Feasibility</u>	<u>D & I Phase</u>
Estimated Federal Cost	\$410,000	\$2,346,000
Estimated Non-Federal Cost	0	\$1,487,000
Cash	0	0
Other	0	\$1,487,000
Total Estimated Project Cost	\$410,000	\$3,833,000
Allocation thru FY2008	\$104,000	0
Allocation for FY 2009	\$156,000	0
Recovery Act Allocations to Date	0	0
Allocation for FY 2010	\$150,000	0
Balance to Complete After FY2010	0	\$2,346,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete Feasibility

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2010

OTHER INFORMATION: Project named in 2010 Conference report.

CONGRESSIONAL INTEREST: Senators Jeff Merkley (OR) and Ron Wyden (OR), Representative Earl Blumenauer (OR-3).

DISTRICT: Portland

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 1135
Enacted Study

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Blue Valley Wetlands, Jackson County, Missouri

AUTHORIZATION: Section 1135, Water Resources Development Act of 1986, P. L. 99-662, as amended.

LOCATION: The project is located at the confluence of on the Little Blue River and Missouri Rivers, in the Missouri River floodplain just east of Kansas City, at to the Atherton Wastewater Treatment Facility in Jackson County.

DESCRIPTION: The proposed 1135 Blue Valley Ecosystem Restoration Project is a modification of the Corp of Engineers Missouri River Bank Stabilization and Navigation Project (BSNP) and the Missouri River Levee System Project. The proposed project would restore wetlands and native floodplain vegetation. The project will also provide associated wastewater treatment benefits and help to improve water quality. Within the proposed wetland areas, native vegetation has been replaced with farmed row crops. No habitat or wetlands are present at this time. The restoration project would restore aquatic and wetland habitat conducive to migratory shorebirds, water birds, as well as resident wildlife species. The Missouri River is on the flyway for migratory birds.

<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	FY 2010	
		<u>D&I Phase</u>
Estimated Federal Cost	\$ 390,000	\$ 830,000
Estimated Non-Federal Cost	0	\$ 373,000
Cash	\$ 390,000	\$ 1,203,000
Other	0	0
Total Estimated Cost	\$ 390,000	\$ 1,203,000
Allocation thru FY 2008	\$ 90,000	0
Allocation for FY 2009	\$ 300,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	0
Balance to Complete after FY 2010	0	\$ 830,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Funds are being used to continue and complete feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase December 2010.

OTHER INFORMATION: The Little Blue Valley Sewer District and Jackson County have given high priority to the restoration and protection of terrestrial and wetland habitat in conjunction with natural methods of wastewater treatment. Their objectives in habitat restoration are to improve final effluent water quality, naturally treat wastewater economically, meet NPDES discharge requirements, improve water quality to the Missouri River, and reduce the need for new mechanical facilities. This is an ideal opportunity for agencies to work together to provide multiple benefits and optimal use of public funds.

CONGRESSIONAL INTEREST: Senator Bond, MO, Congressman Cleaver, (MO-5)

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 1135
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Boise River at Eagle Island, ID.

AUTHORIZATION: Section 1135 of Water Resources Development Act (WRDA) 86, as amended (continuing authority).

LOCATION: This environmental restoration project is located along the Boise River in Ada County, Idaho, in the vicinity of Boise City, Garden City, and the City of Eagle.

DESCRIPTION: The objective is to improve aquatic and wildlife habitat while improving floodplain functions. Restoration measures could include increasing native vegetation, increasing habitat diversity in gravel ponds on the island and in the river, increasing the floodplain area, and minimizing instream disturbance.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 615,000	\$ 2,412,000
Estimated Non-Federal Cost	0	\$ 934,400
Cash	0	0
Other	0	\$ 934,400
Total Estimated Cost	\$ 615,000	\$ 3,346,400
Allocation thru FY 2008	\$ 241,000	0
Allocation for FY 2009	\$ 137,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	\$ 237,000	0
Balance to Complete after FY 2010	0	\$ 2,412,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: A task order will be awarded for the completion of the feasibility report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase will complete in FY11.

OTHER INFORMATION: Ada County Highway District is studying alternatives for a river crossing in the same general area. Potential restoration measures need to be closely coordinated with the Three Cities River Crossing so that the projects compliment each other.

CONGRESSIONAL INTEREST: Congressman Minnick (ID-1); Senators Risch and Crapo (ID).

DISTRICT: Walla Walla

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 206
Enacted Project

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Chariton River/Rathbun Lake Watershed, Iowa

AUTHORIZATION: Section 206, Water Resources Development Act of 1996.

LOCATION: Chariton River/Rathbun Lake Watershed is located in south central Iowa encompassing portions of Appanoose, Clarke, Decatur, Lucas, Monroe, and Wayne counties.

DESCRIPTION: Rathbun Lake supplies water to the Rathbun Regional Water Association (RRWA). The RRWA provides 7 million gallons of water daily to over 70,000 people in 18 counties in Southern Iowa and Northern Missouri. Rathbun Lake also provides recreation opportunities to over one million visitors annually, flood protection for 150,000 acres of land, fish and wildlife habitat in the 11,000-acre lake and on 21,000 acres of adjacent public lands, and downstream water quality improvement. The watershed of Rathbun Lake includes over 354,000 acres. There are approximately 27,000 acres of floodplain in the watershed. The entire watershed has been subdivided into 61 sub-watersheds ranging in size from approximately 2,589 acres to 16,430 acres. Twenty-two of these sub-watersheds have been identified as priority hydrologic units in terms of the amount of sediment that they contribute to Rathbun Lake. The consequences of increased erosion include: significant degradation of in-stream and lake habitat for fish and aquatic organisms, increased water treatment costs, and reduced sediment storage in Rathbun Lake. This project will identify locations for over 200 structures (small ponds or wetlands) that will reduce the amount of sediment delivered to Rathbun Lake while increasing wildlife habitat, aquatic habitat, water quality in Rathbun Lake, and wetland acreage in the watershed.

	FY 2010	
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$1,010,000	\$ 3,932,000
Estimated Non-Federal Cost	0	\$ 2,597,000
Cash \$1,010,000		\$ 6,529,000
Other	0	0
Total Estimated Cost	\$1,010,000	\$ 6,529,000
Allocation thru FY 2008	\$ 792,000	0
Allocation for FY 2009	\$ 103,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	\$ 115,000	0
Balance to Complete after FY 2010	0	3,932,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Funds are being used to complete the feasibility study in December 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase December 2010.

OTHER INFORMATION: This project supports future efforts to sustain the habitat value of the selected watersheds. The project would also assist local land owners in stabilizing eroding streams.

CONGRESSIONAL INTEREST: Senator Harkin (IA), Senator Grassley (IA), Representative Boswell (IA-03), and Representative Loebsack (IA-02)

DISTRICT: Kansas City

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 1135
Enacted Project

BUSINESS LINE: Environment

PROJECT NAME AND STATE: Dairy Creek, OR

LOCATION: Dairy Creek and Sturgeon Lake are located on Sauvie Island in northwest Multnomah County in Oregon and is bounded by the Columbia River to the east and Multnomah Channel to the West.

DESCRIPTION: The project will permanently open up the Dairy Creek channel to improve water circulation to and within Sturgeon Lake.

AUTHORIZATION: Section 1135 of the 1986 Water Resources Development Act, as amended.

<u>SUMMARIZED FINANCIAL DATA:</u> Feasibility	FY 2010	
	D&I	Phase
Estimated Federal Cost	\$158,000	\$700,000
Estimated Non-Federal Cost	\$ 50,000	\$267,000
Cash		
Other	\$50,000	\$267,000
Total Estimated Project Cost	\$218,000	\$967,000
Allocations thru FY 2008	\$8,000	0
Allocation for FY 2009	0	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	\$150,000	0
Balance to Complete After FY 2010	0	\$967,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete Feasibility.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility, 2010

OTHER INFORMATION: The only other entrance point for migrating fish (including white Sturgeon, once highly dependant on feeding on spawned out salmon) is the Dairy Creek Channel located at the upstream end of the basin. Restoration measures would permanently open up the channel to improve water circulation to and within Sturgeon Lake. Sturgeon Lake provides 3,200 acres of wetland lake and off-channel habitat along the Lower Columbia River. It is owned by the State of Oregon and managed by Oregon Department of Fish & Wildlife (ODFW). It is valued for its rich diversity of fish and wildlife habitat. In addition to providing habitat for waterfowl, bald eagles, peregrine falcon and sandhill cranes, Sturgeon Lake is used by salmonid juveniles for off-channel feeding during their downriver migration. Natural flows of water into this basin have been severely restricted by Federal dikes. Due to these dikes, salmonid migration is restricted to an entrance at the far downstream end, via the Gilbert River.

CONGRESSIONAL INTEREST: Senators Ron Wyden (OR) and Jeff Merkley (OR); Representative Earl Blumenauer (OR-3).

DISTRICT: Portland

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 206
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Goose Creek, CO

AUTHORIZATION: Section 206, Water Resources Development Act of 1996, (PL 104-303), amended

LOCATION: This project is located in the City of Boulder, Colorado. The study area extends from immediately upstream of Foothills Parkway to the confluence with Boulder Creek and encompasses approximately 4,000 feet of South Goose Creek as well as Cottonwood Pond.

DESCRIPTION: This project will restore a historic aquatic habitat for the benefit of fish and wildlife resources. Riparian habitat is relatively rare on the high plains of Colorado, yet it is vital to many native and migratory species. Specific measures to be evaluated include the reconstruction of a stable natural channel, restoration of aquatic habitat in the stream and pond, re-vegetation, restoration and improvement of wetlands within the channel, and best management practices at storm sewer outfalls.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 642,000	\$ 1,302,000
Estimated Non-Federal Cost	0	\$ 1,047,000
Cash	0	0
Other	0	\$ 1,047,000
Total Estimated Cost	\$ 642,000	\$ 2,349,000
Allocation thru FY 2008	\$ 360,000	0
Allocation for FY 2009	\$ 205,000	\$ 50,000
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	\$ 77,000	0
Balance to Complete after FY 2010	0	\$ 1,252,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete the draft feasibility report, secure permits, conduct the Alternatives Formulation Briefing with Northwestern Division, complete public involvement and incorporate comments, finalize cost estimates, and finalize the report for Division approval. Initiate the Design and Implementation Phase with the preparation of a Project Management Plan (PMP), negotiate and execute a Project Partnership Agreement (PPA), and initiate design phase activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Feasibility Phase will be completed this fiscal year. Based upon an approved report, the Design and Implementation Phase and project completion may be completed by 2013.

OTHER INFORMATION: The two degraded reach that is being studied for restoration separates a previously restored reach of Goose Creek from Boulder Creek. Restoration of the South Goose/Cottonwood Pond will extend a continuous restored riparian corridor along Goose Creek.

CONGRESSIONAL INTEREST: Representative Polis, (CO-2), Senators Mark Udall (D-CO), and Michael Bennet (D-CO)

DISTRICT: Omaha

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 1135
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Mapes Creek, WA

AUTHORIZATION: Section 1135, Water Resources Development Act (WRDA) 1986 (P.L. 99-662), as amended.

LOCATION: Mapes Creek is located east of Seattle on Lake Washington.

DESCRIPTION: Mapes Creek flows through a pipeline discharging into Lake Washington. The pipeline's outlet is 20 feet offshore of Be'er Sheva Park, deep into Lake Washington. The creek's piping and off-shore outlet prevents the development of a natural sediment delta and removes critical shallow water habitat. Fresh water flows from the lower end of the creek's mouth is used for refuge of migrating juvenile salmon. This project would resurface Mapes Creek, creating a meandering stream channel within Be'er Sheva Park. This would provide 400 feet of stream channel habitat for migrating juvenile salmon.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$993,000	\$1,775,000
Estimated Non-Federal Cost	0	\$ 594,000
Cash	0	TBD
Other	0	TBD
Total Estimated Cost	\$ 993,000	\$ 2,369,000
Allocation thru FY 2008	\$ 535,000	0
Allocation for FY 2009	\$ 283,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	\$125,000	0
Balance to Complete after FY 2010	\$ 50,000	\$1,775,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Continue the Feasibility Phase and complete the 35% design of the recommended plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase, 2011

OTHER INFORMATION: Restoration of Mapes Creek would directly address several of the factors which contribute to the decline of Endangered Species Act listed Puget Sound Chinook salmon.

CONGRESSIONAL INTEREST: Representative Jim McDermott (WA-7); Senators Patty Murray (D-WA) and Maria Cantwell (D-WA)

DISTRICT: Seattle

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 1135
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Prison Farm, ND

AUTHORIZATION: Section 1135, Water Resources Development Act of 1986, as amended

LOCATION: The State Prison Farm Site is in Burleigh County, North Dakota, just south of Bismarck

DESCRIPTION: The project reach is approximately 10,000 feet long and lies on the left descending bank of the Missouri River between river miles 1308.4 and 1310.6. It is impacted by the backwater effects of Lake Oahe. The site has undergone much bank erosion and loss of vegetation. Also, past development has cleared floodplain forest habitat and degraded river oxbow backwater habitat. Wetlands in the floodplain have little open water area and diminished connection with the river and Lake Oahe.

<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	FY 2010	
	D&I	Phase
Estimated Federal Cost	\$ 790,000	\$ 2,900,898
Estimated Non-Federal Cost	0	\$ 1,230,299
Cash	0	\$ 1,230,299
Other	0	0
Total Estimated Cost	\$ 790,000	\$ 4,131,197
Allocation thru FY 2008	\$ 610,000	0
Allocation for FY 2009	\$ 110,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	\$ 70,000	\$ 50,000
Balance to Complete after FY 2010	0	\$ 2,850,898
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete the draft feasibility report, secure permits, conduct the Alternatives Formulation Briefing with Northwestern Division, complete public involvement and incorporate comments, finalize cost estimates, and finalize the report for Division approval. Initiate the Design and Implementation Phase with the preparation of a Project Management Plan (PMP), negotiate and execute a Project Partnership Agreement (PPA), and initiate design phase activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Feasibility Phase will be completed this fiscal year.

OTHER INFORMATION: The objective of this study is to identify an optimized habitat improvement project, which will incidentally meet the sponsor's objectives for bank stabilization, although bank stabilization is not a Corps priority or program purpose.

CONGRESSIONAL INTEREST: Representative Pomeroy (ND-AL), Senators Dorgan (D-ND) and Conrad (D-ND)

DISTRICT: Omaha

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 206
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Twin Falls, ID

AUTHORIZATION: Section 206 of Water Resources Development Act (WRDA) 96, as amended (continuing authority).

LOCATION: This environmental restoration project is located in the Auger Falls property owned by the City of Twin Falls in Idaho.

DESCRIPTION: Will restore and rehabilitate a reach of the Perrine Coulee drainage at Auger Falls site impaired by irrigation activity by using excess water from phosphate reduction project (water quality improvement project for Middle Snake River undertaken by the sponsor).

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010	
	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 462,000	\$ 738,000
Estimated Non-Federal Cost	0	\$ 646,200
Cash	0	0
Other	0	\$ 646,200
Total Estimated Cost	\$ 462,000	\$ 1,384,200
Allocation thru FY 2008	\$ 262,000	0
Allocation for FY 2009	\$ 100,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	0
Balance to Complete after FY 2010	\$ 100,000	\$ 738,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: A task order will be awarded for the completion of the feasibility report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase will complete in FY11 contingent on Federal funding.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Congressman Simpson (ID-2); Senators Risch and Crapo (ID).

DISTRICT: Walla Walla

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 1135
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Two Rivers 1135, WA.

AUTHORIZATION: Section 1135 of Water Resources Development Act (WRDA) 86, as amended (continuing authority).

LOCATION: This environmental restoration project is located in the McNary pool near the Two Rivers park near Pasco, Washington.

DESCRIPTION: The proposed work would provide in-water rearing areas for juvenile salmonids and provide resting areas for migrating adult salmonids. The leeward side of the source island may be able to be shaped such that it creates a submerged, shallow water bench with a sand and small gravel bottom for fall Chinook rearing and possibly creating an embayment via an indentation of the existing shoreline. Benton County is the project sponsor.

<u>SUMMARIZED FINANCIAL DATA</u> Feasibility	FY 2010	
	D&I	Phase
Estimated Federal Cost	\$ 310,000	\$ 2,390,000
Estimated Non-Federal Cost	0	\$ 900,000
Cash	0	0
Other	0	\$ 900,000
Total Estimated Cost	\$ 310,000	\$ 3,290,000
Allocation thru FY 2008	\$ 110,000	0
Allocation for FY 2009	\$ 200,000	0
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	0
Balance to Complete after FY 2010	0	\$ 2,390,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: A task order will be awarded for the completion of the feasibility report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility Phase will complete in FY11.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Congressman Doc Hastings (WA-4), Senators Murray and Cantwell (WA).

DISTRICT: Walla Walla

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, Section 1135
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Union Slough, WA

AUTHORIZATION: Section 1135, Water Resources Development Act (WRDA) 1986 (P.L. 99-662), as amended.

LOCATION: The project is located just north of the City of Everett, Washington, in the Snohomish River Delta, approximately 30 miles north of Seattle.

DESCRIPTION: The project restores about 100 acres of intertidal habitat to the Snohomish River Delta. The project features include a set-back levee around the project area, three breaches in the old levee along the Union Slough section of the Snohomish River delta, and bridges across the three breaches in order to maintain a multi-use path along the old levee top.

	FY 2010	
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Feasibility</u>	<u>D&I Phase</u>
Estimated Federal Cost	\$ 365,000	\$ 3,939,000
Estimated Non-Federal Cost	0	\$ 1,125,000
Cash	0	TBD
Other	0	TBD
Total Estimated Cost	\$365,000	\$ 5,064,000
Allocation thru FY 2008	\$365,000	\$3,013,000
Allocation for FY 2009	0	\$301,000
Recovery Act Allocations To Date	0	0
Allocation for FY 2010	0	\$ 625,000
Balance to Complete after FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete design and construction as needed to correct existing deficiencies by removing bridges, restoring wetlands to achieve the functionality of estuary, and re-routing the pathway.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: D&I Phase, 2010

OTHER INFORMATION: Erosion at both of the new bridges is an ongoing problem.

CONGRESSIONAL INTEREST: Representative Rick Larsen (WA-2); Senators Patty Murray (D-WA) and Maria Cantwell (D-WA)

DISTRICT: Seattle

ENVIRONMENTAL INFRASTRUCTURE

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Rural Idaho, ID

AUTHORIZATION: Section 595 of WRDA 1999, PL 106-53, as modified by Sec 126 of the 2003 Omnibus Appropriation Act.

LOCATION: Multiple sites

DESCRIPTION: The primary objective of this program is to assist State of Idaho rural communities with design and/or construction of water-related environmental infrastructure and resource protection and development projects.

<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	FY 2010 <u>n</u>
Estimated Federal Cost	\$55,000,000
Estimated Non-Federal Cost:	\$13,750,000
Cash	\$13,750,000
Other	\$0
Total Estimated Project Cost	\$68,750,000
Allocation thru FY 2008	\$16,456,000
Allocation for FY 2009	\$5,000,000
Recovery Act Allocations to Date	\$9,590,000
Allocation for FY 2010	\$3,875,000
Balance to Complete After FY 2010	\$20,079,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: It is anticipated that approximately six new partnership agreements will be signed during this fiscal year consisting of two design, three design and construction, and one construction agreement. Concurrently, progress on design and/or construction of the eight new starts within the past year, plus three previous projects will continue.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Phase will complete in FY15.

OTHER INFORMATION: The Corps works with Idaho Department of Environmental Quality, Idaho Department of Commerce and Labor, and USDA-Rural Development to develop funding strategies for the projects which are intended to result in the necessary funding at the right time for environmental infrastructure projects within rural Idaho.

CONGRESSIONAL INTEREST: Congressmen Minnick (ID-1) and Simpson (ID-2); Senators Crapo and Risch (ID).

DISTRICT: Walla Walla

FACT SHEET
CONSTRUCTION
Enacted Project

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Rural Montana, MT

AUTHORIZATION: Section 595 of WRDA 1999, PL 106-53 as amended.

LOCATION: Communities located in the State of Montana

DESCRIPTION: Provide design and construction assistance to non-Federal interests to carry out water-related environmental infrastructure and resource protection and development projects in rural Montana.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction</u>
Estimated Federal Cost	\$75,000,000
Estimated Non-Federal Cost:	25,000,000
Cash	25,000,000
Other	0
Total Estimated Project Cost	\$100,000,000
Allocations thru FY 2008	\$14,356,000
Allocation for FY 2009	4,785,000
Recovery Act Allocations To Date	5,644,000
Allocation for FY 2010	4,844,000
Balance to Complete After FY 2010	\$45,371,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Funds will be used to fund design and construction of projects at congressionally named locations and other potentially eligible sites within the authorized program amount.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2019

OTHER INFORMATION: Work accomplished under this Program is shared between Seattle and Omaha District's within Northwestern Division. The Districts are continuing to coordinate to insure seamless program integration.

CONGRESSIONAL INTEREST: Senator Max Baucus (MT), Senator Jon Tester (MT); Representative Dennis Rehberg (MT-AL)

DISTRICT: Omaha

OPERATION AND MAINTENANCE

FACT SHEET
Operation and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Cheyenne River Sioux Tribe, Lower Brule Sioux Tribe, and State of South Dakota Terrestrial Wildlife Habitat Restoration (Title VI Cultural Resources Funding)

AUTHORIZATION: P.L. 106-53, Water Resources Development Act of 1999 as amended.

LOCATION: Multiple sites along the Missouri River within the State of South Dakota

DESCRIPTION: The O&M portion of the project provides for (1) provide grants for terrestrial wildlife habitat restoration and stewardship plans until establishment of a \$165.4 million trust fund in the Federal treasury (\$108 million for the State and \$57.4 million for the Tribes); and (2) inventory and stabilization of cultural and historic sites

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>O&M</u>
Estimated Federal Cost	\$24,733,000
Estimated Non-Federal Cost:	0
Cash	0
Other	0
Total Estimated Project Cost	\$24,733,000
Allocations thru FY 2008	\$18,503,000
Allocation for FY 2009	1,960,000
Recovery Act Allocations To Date	0
Allocation for FY 2010	2,970,000
Balance to Complete After FY 2010	\$1,300,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Funding will be used to contract with the State and Tribes for inventory and stabilization of cultural and historical sites located on the land transferred to the State and Tribes.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2011

OTHER INFORMATION: Technical amendments in WRDA 2000 to the original legislation required cultural resources site stabilization and stewardship contracts with the State and Tribes be funded by O&M funds and be completed no later than 10 years after its enactment. Due to the richness of cultural resources and the continual shoreline erosion impacting these sites, substantial work is still left to accomplish this goal and may require an extension to the deadline

CONGRESSIONAL INTEREST: Representative Herseth Sandlin, (SD-AL), Senators Thune (SD) and Johnson (SD)

DISTRICT: Omaha

FACT SHEET
Operation and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Columbia River at Baker Bay, WA

AUTHORIZATION: River and Harbor Act of 1933, as amended: (east channel) 1935 (main channel) 1945 (west Channel)

LOCATION: Baker Bay is a shallow body of water about 15 square miles on the north side of the Columbia River near river mile 3.

DESCRIPTION: The active west navigation channel is 16' deep, 150-200 feet wide, and approximately 3.2 miles long. This channel provides access to the Port of Ilwaco, Pacific County, WA.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>O&M</u>
Estimated Federal Cost	Ongoing
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 520,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 674,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Routine maintenance dredging

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 30 September 2010

OTHER INFORMATION: Maintenance dredging is required for safe transit of commercial and recreational vessels. The channel serves a U.S. Coast Guard station that performs search and rescue for the mouth of the Columbia River.

CONGRESSIONAL INTEREST: Senator Patty Murray (WA), Senator Maria Cantwell (WA) and Representative Brian Baird (WA-3)

DISTRICT: Portland

FACT SHEET
Operation and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Columbia River between Chinook and Sand Island, WA

AUTHORIZATION: Rivers and Harbor Act of: 20 Jun 1938, 3 Sep 1954 and P.L. 75-685

LOCATION: Located at easterly end of Baker Bay, lying on the north side of the Columbia River near river mile 3.

DESCRIPTION: The authorized channel is 150 feet wide, 10 feet deep and approximately 2 miles long. This channel provides access from deep water in the Columbia River to a turning basin at Chinook in Pacific Count, WA.

<u>SUMMARIZED FINANCIAL DATA</u>	FY	<u>2010</u>
Estimated Federal Cost		<u>O&M</u>
Estimated Non-Federal Cost		Ongoing
Cash		N/A
Other		N/A
Total Estimated Cost		N/A
Allocation thru FY 2008		N/A
Allocation for FY 2009		\$ 473,000
Recovery Act Allocations To Date		\$ 0
Allocation for FY 2010		\$ 771,000
Balance to Complete after FY 2010	N/A	
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Routine maintenance dredging to restore channel access to marina and commercial fisheries.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 30 September 2010

OTHER INFORMATION: Maintenance dredging is required to provide an adequate channel for commercial and recreational vessels. The Port Manager reports that when dredging is not performed during the normal dredging cycle, crab-fishing vessels find it difficult to use the channel, except at flood tide.

CONGRESSIONAL INTEREST: Senator Patty Murray (WA), Senator Maria Cantwell (WA) and Representative Brian Baird (WA-3)

DISTRICT: Portland

FACT SHEET
Operation and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Depoe Bay, OR

AUTHORIZATION: Rivers and Harbors Act of: 26 Aug 1937, 2 Mar 1945, Section 107 Project in 1960.

LOCATION: Depoe Bay harbor is located on the Oregon Coast 100 miles south of the Columbia River.

DESCRIPTION: Structures include two breakwaters north of entrance and a retaining wall at the boat basin.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>O&M</u>
Estimated Federal Cost	Ongoing
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 42,800
Recovery Act Allocations To Date	\$ 127,000
Allocation for FY 2010	\$ 112,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funding will be used for monitoring the retaining wall and updating environmental compliance.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 30 September 2010

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Jeff Merkley (OR) and Ron Wyden (OR), and Representative Peter DeFazio (OR-4).

DISTRICT: Portland

FACT SHEET
Operations and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Navigation

PROJECT NAME: Friday Harbor, Washington

AUTHORIZATION: Section 107 Of the 1960 Rivers and Harbors Act

LOCATION: The Friday Harbor Marina is in the San Juan Islands of N. Puget Sound.

DESCRIPTION: Friday Harbor Marina use is primarily recreational with tour vessels seasonally using the project. Friday Harbor is a Port of Entry with a U.S. Customs office on the floating breakwater. One of the breakwaters is also used as a water port for floatplanes. This federal project consists of two floating concrete breakwaters totaling 1,600 feet in length protecting the marina. The breakwaters are moored in position by and underwater anchorage system of bridge ropes, anchor chain and hardware.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	O&M	FY 2010
Estimated Federal Cost		\$105,000
Estimated Non-Federal Cost		NA
Cash		NA
Other		NA
Total Estimated Cost		\$105,000
Allocation thru FY 2008		NA
Allocation for FY 2009		0
Recovery Act Allocations To Date		0
Allocation for FY 2010		\$105,000
Balance to Complete after FY 2010		NA
Benefit to Cost Ratio @ 7%		NA

FY 2010 ACTIVITIES: Comprehensive underwater dive team inspection of the anchorage system structural components with a report documenting condition including cathodic protection system.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 30 Sep 2010

OTHER INFORMATION: The last comprehensive inspection report is dated November 2002 which included a recommendation of three year frequency underwater inspections. This project should be in the FY13 request.

CONGRESSIONAL INTEREST: Rep. Larson, WA 02

DISTRICT: Seattle

FACT SHEET
Operations and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Navigation

PROJECT NAME: Grays Harbor and Chehalis River – Coastal Modeling System, WA

AUTHORIZATION: The Rivers and Harbors Act of 30 August 1935 and Section 202 of WRDA 1986

LOCATION: Grays Harbor is located in southwest coast of Washington state.

DESCRIPTION: The project's 24-mile long channel serves deep-draft commerce to the Port of Grays Harbor and facilities at the cities of Aberdeen, Hoquiam and Cosmopolis. The deep-draft channel is secured by a complex system of coastal structures including the north and south jetties, groin, revetments and timber breakwaters. The North Jetty is at the south end of Ocean Shores and the South Jetty is at Westport, near Half Moon Bay. The complex navigation project is large with ongoing Federal O&M activities including required dredging on an annual basis.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010	
	<u>O&M</u>	<u>Coastal Modeling</u>
Estimated Federal Cost	NA	
Estimated Non-Federal Cost	NA	
Cash	NA	
Other	NA	
Total Estimated Cost	NA	
Allocation thru FY 2008	NA	
Allocation for FY 2009	\$ 8,865,000	
Recovery Act Allocations To Date	\$ 1,921,000	
Allocation for FY 2010	\$10,587,000	\$ 300,000
Balance to Complete after FY 2010	NA	
Benefit to Cost Ratio @ 7%	NA	

FY 2010 ACTIVITIES: FY10 routine O&M dredging and disposal activities consist of two Gov't hopper dredge assignments in April-May for the ESSAYONS and YAQUINA plus continued inner harbor clamshell maintenance dredging under option year two of a contract with American Construction, Inc. Routine coordination will address contingent interim action sand placement to preserve the breach fill until a LTMS alternative is implemented. Crab mitigation strategy is being revisited relative to continued oyster shell placement or other mitigation activities. ERDC modeling is underway to assess the fate of disposed dredged materials and also to compliment a Port-proposed channel deepening study to including consideration of sea level rise.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 30, 2010.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Rep. Dicks, WA06

DISTRICT: Seattle

FACT SHEET
Operation and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Port Orford, OR

AUTHORIZATION: The Rivers and Harbor Act of 1965, as amended, the Water Resources Development Act of 1992 and the Rivers and Harbor Act of 1950, P.L. 89-298

LOCATION: Port Orford is located on the southern Oregon coast 250 miles south of the Columbia River.

DESCRIPTION: The project consists of a 550-foot stone breakwater protecting the Port dock, and a channel 750 feet long, 90 feet wide and 16 feet deep adjacent to the dock with access to deep water.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>O&M</u>
Estimated Federal Cost	Ongoing
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 379,000
Recovery Act Allocations To Date	\$ 295,000
Allocation for FY 2010	\$ 38,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funding will be used to continue jetty monitoring and project condition surveys. ARRA funds will be used to continue the Major Maintenance Report for the Breakwater.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: The breakwater is in an active state of failure. There is a 100 foot breach in the breakwater now. This is creating unsafe conditions for vessels in the harbor, and creating infill in the channel.

CONGRESSIONAL INTEREST: Senator Jeff Merkley (OR), Senator Ron Wyden (OR) and Representative Peter DeFazio (OR-4)

DISTRICT: Portland

FACT SHEET
Operation and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Skipanon Channel, OR

AUTHORIZATION: The Rivers and Harbor Act of 1930, as amended 1937 for channel extension and 1948 for mooring basin.

LOCATION: Skipanon Channel is located on the Oregon side for the Columbia River, about 10.5 miles upstream of the Columbia River Mouth.

DESCRIPTION: Skipanon Channel is an inner-tidal waterway extending south 2.7 miles from deep water in the Columbia River.

	FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>		<u>O&M</u>
Estimated Federal Cost		Ongoing
Estimated Non-Federal Cost		N/A
Cash		N/A
Other		N/A
Total Estimated Cost		N/A
Allocation thru FY 2008		N/A
Allocation for FY 2009		\$ 4,900
Recovery Act Allocations To Date		\$ 0
Allocation for FY 2010		\$ 6,000
Balance to Complete after FY 2010	N/A	
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Funding will be used to perform essential real estate compliance activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 30 September 2010

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Jeff Merkley (OR), Senator Ron Wyden (OR) and Representative Peter DeFazio (OR-4)

DISTRICT: Portland

FACT SHEET
Operation and Maintenance (O&M)
Enacted Project

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Tillamook Bay and Bar, OR

AUTHORIZATION: River and Harbor Act of 1912, as amended (N. jetty and dredging), 1913 (16' channel), 1965 (S. jetty)

LOCATION: On the Oregon Coast about 50 miles south of the Columbia River

DESCRIPTION: Two stone jetties at entrance; 16 foot entrance channel; and a 12 foot deep 100 foot wide 1,200 foot long channel from deep water into the Garibaldi Boat Basin.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010 <u>O&M</u>	FY 2010 Repair North <u>Jetty Repair</u>
Estimated Federal Cost	Ongoing	\$ 16,000,000
Estimated Non-Federal Cost	N/A	\$ 0
Cash	N/A	\$ 0
Other	N/A	\$ 0
Total Estimated Cost	N/A	\$ 16,000,000
Allocation thru FY 2008	N/A	\$ 1,850,000
Allocation for FY 2009	\$ 655,000	\$ 0
Recovery Act Allocations To Date	\$ 0	\$ 15,158,000
Allocation for FY 2010	\$ 48,000	\$ 0
Balance to Complete after FY 2010	N/A N/A	
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Funding will be used for jetty monitoring, real estate management & compliance inspection. ARRA funds will be used to repair the north jetty.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 30 September 2010

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Ron Wyden, (OR), Senator Jeff Merkley, (OR) and Representative, Kurt Schrader (OR-5).

DISTRICT: Portland

**PACIFIC OCEAN
DIVISION**

PACIFIC OCEAN DIVISION
ENACTED STUDIES AND PROJECTS
TABLE OF CONTENTS

ENACTED STUDIES AND PROJECTS	POD-01
TABLE OF CONTENTS	POD-02
FLOOD AND COASTAL STORM DAMAGE REDUCTION	POD-04
INVESTI GATIONS	POD-05
HAWAII WATER RESOURCES MANAGEMENT, HI (PAS).....	POD-06
SOUTH MAUI WATERSHED, HI (PAS)	POD-07
STATE OF HAWAII GENERAL FLOOD CONTROL PLAN UPDATE, STATE OF HAWAII AND PACIFIC TERRITORIES (PAS).....	POD-08
STATE OF HAWAII RAINFALL ATLAS, HI (PAS).....	POD-09
WAIAKEA FRM, HI	POD-10
WAILUPE, HI	POD-11
CONSTRUCTION	POD-12
ALASKA COASTAL EROSION, AK.....	POD-13
HAWAII WATER MANAGEMENT, HI	POD-14
IAO STREAM, HI	POD-15
KAHUKU, HI	POD-16
CONTINUING AUTHORITIES PROGRAM	POD-17
SHAKT OOLIK, AK	POD-18
NAVIGATION.....	POD-19
INVESTI GATIONS	POD-20
BARBERS POINT HARBOR MODIFICATIONS, HI	POD-21
HAWAII DEPARTMENT OF TRANSPORTATION GIS, OAHU, HI (PAS).....	POD-22
HOMER HARBOR NAVIGATION IMPROVEMENTS, AK	POD-23
KOTZEBUE SMALL BOAT HARBOR, AK.....	POD-24
MAAL AEA HARBOR, HI	POD-25
VALDEZ NAVIGATION IMPROVEMENTS, AK.....	POD-26
WHITTIER SMALL BOAT HARBOR, AK.....	POD-27
CONSTRUCTION	POD-28
SAINT PAUL HARBOR, AK.....	POD-29
UNALASKA HARBOR, AK.....	POD-30
CONTINUING AUTHORITIES PROGRAM	POD-31
ELIM NAVIGATION IMPROVEMENTS, AK.....	POD-32
GUST AVUS NAVIGATION IMPROVEMENTS, AK	POD-33
IGIUGIG NAVIGATION IMPROVEMENTS, AK.....	POD-34
ILIAMNA NAVIGATION IMPROVEMENTS, AK.....	POD-35
KOKHANOK NAVIGATION IMPROVEMENTS, AK.....	POD-36
NANWAL EK NAVIGATION IMPROVEMENTS, AK.....	POD-37
SAVOONGA NAVIGATION IMPROVEMENTS, AK	POD-39

PACIFIC OCEAN DIVISION
ENACTED STUDIES AND PROJECTS
TABLE OF CONTENTS

AQUATIC ECOSYSTEM RESTORATION.....	POD-40
INVESTI GATIONS	POD-41
WAIMANALO WASTEWATER EFFLUENT REUSE, HI (PAS)	POD-42
WEST MAUI WATERSHED, AK.....	POD-43
CONSTRUCTION	N/A
CONTINUING AUTHORITIES PROGRAM	N/A
HYDROPOWER.....	N/A
WATER SUPPLY	N/A
ENVIRONMENTAL INFRASTRUCTURE	N/A
OPERATION AND MAINTENANCE	POD-44
KODIAK HARBORS, AK.....	POD-45

FLOOD AND COASTAL STORM DAMAGE REDUCTION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: N/A

PROJECT/STUDY NAME: Hawaii Water Resources Management, HI (Planning Assistance to States)

AUTHORIZATION: Section 22 of the Water Resources Development Act (WRDA) of 1974 (P.L. 93-251), as amended

LOCATION: State of Hawaii

DESCRIPTION: Develop a coordinated Statewide Water Conservation Plan/Framework for all counties. Establish realistic water conservation goals in all water use sectors. Develop comprehensive analysis and recommendations for improvements of current water conservation measures to be implemented in the State.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PAS</u>
Estimated Federal Cost	\$270,000
Estimated Non-Federal Cost	270,000
Cash	270,000
Other	0
Total Estimated Cost	540,000
Allocation thru FY 2009	0
Allocation for FY 2010	270,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	0
Benefit to Cost Ratio @ 7%	n/a

FY 2010 ACTIVITIES: After execution of the cost sharing agreement and receipt of sponsor funds FY10 funds will be used to coordinate with state officials to develop a water resources plan and strategy for the State of Hawaii.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: n/a

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: N/A

PROJECT/STUDY NAME: South Maui Watershed, HI (Planning Assistance to States)

AUTHORIZATION: Section 22 of the Water Resources Development Act (WRDA) of 1974 (P.L. 93-251), as amended

LOCATION: Island of Maui, Hawaii

DESCRIPTION: Develop a watershed-based strategy for address riverine flooding and interior storm drainage, while minimizing impacts to nearshore waters from Kihei to Makana, on the island of Maui.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PAS</u>
Estimated Federal Cost	\$100,000
Estimated Non-Federal Cost	100,000
Cash	100,000
Other	0
Total Estimated Cost	200,000
Allocation thru (BY-2 FY09)	0
Allocation for (BY-1 FY10)	300,000
Budget Estimate (BY FY11)	0
Allocation for (BY FY11)	0
Balance to Complete after (BY FY11)	0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY10 funds are being used to initiate the technical study contingent upon execution of the cost share agreement and receipt of local sponsor funds.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: n/a

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: N/A

PROJECT/STUDY NAME: State of Hawaii General Flood Control Plan Update, State of Hawaii and Pacific Territories (Planning Assistance to States)

AUTHORIZATION: Section 22 of the Water Resources Development Act (WRDA) of 1974 (P.L. 93-251), as amended

LOCATION: State of Hawaii, and the Pacific Territories of Guam, American Samoa, and CNMI

DESCRIPTION: Funds would be used to conduct the Hawaii General Flood Control Plan Update and initiate studies as requested by local government agencies in the State of Hawaii and the Pacific Territories.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA PAS</u>	
Estimated Federal Cost	\$1,000,000
Estimated Non-Federal Cost	475,000 1/
Cash	475,000
Other	0
Total Estimated Cost	1,475,000
Allocation thru FY 2009	0
Allocation for FY 2010	1,000,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	0
Benefit to Cost Ratio @ 7%	n/a

1/ Includes cost share waiver of \$262,500. Section 1156 of PL 99-662 provides a waiver of local cost sharing requirements of up to \$200,000 per study in the Pacific Territories.

FY 2010 ACTIVITIES: FY10 implementation guidance to be provided prior to initiating study. Upon negotiation and execution of the PAS cost sharing agreement and receipt of local sponsor funds as required, FY10 funds will be used to develop scopes of work and initiate six PAS studies within Hawaii and the Pacific Territories.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: n/a

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: N/A

PROJECT/STUDY NAME: State of Hawaii Rainfall Atlas (Planning Assistance to States)

AUTHORIZATION: Section 22 of the Water Resources Development Act (WRDA) of 1974 (P.L. 93-251), as amended

LOCATION: State of Hawaii

DESCRIPTION: Update of existing State of Hawaii rainfall atlas. The State intends to use the data generated by the update of the rainfall atlas to develop predictive rainfall models.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PAS</u>
Estimated Federal Cost	\$277,510
Estimated Non-Federal Cost	277,510
Cash	277,510
Other	0
Total Estimated Cost	555,020
Allocation thru FY 2009	177,510
Allocation for FY 2010	100,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	0
Benefit to Cost Ratio @ 7%	n/a

FY 2010 ACTIVITIES: Contingent upon amendment of the existing cost share agreement and receipt of local sponsor funds, FY10 funds will be used to broaden the scope of work to include additional analyses of rainfall data.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: n/a

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Waiakea-Palai Streams Flood Risk Management, Hawaii, HI

AUTHORIZATION: Section 209 of River and Harbor and Flood Control Act of 1962 (PL 87-874)

LOCATION: The proposed project is located on the island of Hawaii, near Hilo, HI.

DESCRIPTION: The Waiakea Stream and Palai Stream basins are located in the Hilo area on the Island of Hawaii. The Waiakea-Palai project will look comprehensively at both basins to reduce flood risk. The combined project would afford the opportunity to develop flood risk management measures in the shared drainage above Waiakea and Palai streams and would provide flood reduction benefits to both areas, theoretically reducing the cost required to mitigate flooding in each drainage separately. The public safety benefits are also considerable as past flooding have damaged homes, cut off emergency vehicle access, swept cars into the stream, and flooded area playgrounds and ball fields.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY2010 PED</u>
Estimated Federal Cost	\$2,025,000
Estimated Non-Federal Cost	675,000
Cash	675,000
Other	0
Total Estimated Cost	2,700,000
Allocation thru FY 2009	0
Allocation for FY 2010	45,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	1,980,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: On hold pending outcome of feasibility study being completed under the Continuing Authorities Program.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD.

OTHER INFORMATION: Separate studies of Waiakea Stream and Palai Stream are being conducted under Section 205 (Flood Control Act of 1948) of the Continuing Authorities Program (CAP). The feasibility reports for Waiakea and Palai Stream are being completed separately under the CAP program with completion of the reports expected in FY10. Preliminary findings of the separate feasibility studies that have been communicated with the sponsor's representative indicate there is a high likelihood that the economic feasibility will not be favorable without combining the projects into a single large project and that the project costs would exceed the Federal statutory limitation for the CAP.

CONGRESSIONAL INTEREST: Senator Daniel Inouye (HI), Senator Daniel Akaka (HI), Representative Neil Abercrombie HI-1, and Representative Mazie Hirono HI-2

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Waiakea-Palai Streams Flood Risk Management, Hawaii, HI

AUTHORIZATION: Section 209 of River and Harbor and Flood Control Act of 1962 (PL 87-874)

LOCATION: The proposed project is located on the island of Hawaii, near Hilo, HI.

DESCRIPTION: The Waiakea Stream and Palai Stream basins are located in the Hilo area on the Island of Hawaii. The Waiakea-Palai project will look comprehensively at both basins to reduce flood risk. The combined project would afford the opportunity to develop flood risk management measures in the shared drainage above Waiakea and Palai streams and would provide flood reduction benefits to both areas, theoretically reducing the cost required to mitigate flooding in each drainage separately. The public safety benefits are also considerable as past flooding have damaged homes, cut off emergency vehicle access, swept cars into the stream, and flooded area playgrounds and ball fields.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY2010 PED</u>
Estimated Federal Cost	\$2,025,000
Estimated Non-Federal Cost	675,000
Cash	675,000
Other	0
Total Estimated Cost	2,700,000
Allocation thru FY 2009	0
Allocation for FY 2010	45,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	1,980,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Implementation guidance being developed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD.

OTHER INFORMATION: Separate studies of Waiakea Stream and Palai Stream are being conducted under Section 205 (Flood Control Act of 1948) of the Continuing Authorities Program (CAP). The feasibility reports for Waiakea and Palai Stream are being completed separately under the CAP program with completion of the reports expected in FY10. Preliminary findings of the separate feasibility studies that have been communicated with the sponsor's representative indicate there is a high likelihood that the economic feasibility will not be favorable without combining the projects into a single large project and that the project costs would exceed the Federal statutory limitation for the CAP.

CONGRESSIONAL INTEREST: Senator Daniel Inouye (HI), Senator Daniel Akaka (HI), Representative Neil Abercrombie HI-1, and Representative Mazie Hirono HI-2

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Wailupe Stream Flood Damage Reduction, Oahu, HI

AUTHORIZATION: Section 209 of River and Harbor and Flood Control Act of 1962 (PL 87-874)

LOCATION: Wailupe Stream is located approximately eight miles southeast of the city of Honolulu in eastern Oahu.

DESCRIPTION: The 100-year flood plain encompasses nearly 850 structures within the Aina Haina residential community. Wailupe Stream flows beneath Kalanianaʻole Highway, which is the major transportation link between East Oahu and the city of Honolulu and is subject to severe traffic disruption during flood events.

<u>SUMMARIZED FINANCIAL DATA</u> PED	FY 2010
Estimated Federal Cost	\$3,455,000
Estimated Non-Federal Cost	1,151,000
Cash	1,151,000
Other	0
Total Estimated Cost	4,606,000
Allocation thru FY2009	2,139,000
Allocation for FY 2010	157,000
Budget Estimate FY2011	300,000
Allocation for FY2011	0
Balance to Complete after FY2011	859,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: FY10 funds are being used to amend the existing cost sharing agreement to expand the study scope to include analysis of ecosystem restoration as agreed to by the sponsors in FY09. Additional activities include awarding a contract to evaluate ecosystem restoration; expand hydraulic analysis; and continue preparation of NEPA documents in order to complete the decision document.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The decision document is estimated to be completed by end of FY11.

OTHER INFORMATION: The project is being expanded to include analysis of ecosystem restoration as a project purpose and will delay completion of the decision document. The Design Agreement is being amended to reflect the additional funding and extended schedule needed to complete the study.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Alaska Coastal Erosion, Alaska

AUTHORIZATION: Section 116 of Public Law 111-85.

LOCATION: The Alaska Coastal Erosion projects are located at the communities of Kivalina, Newtok, Shishmaref, Koyukuk, Barrow, Kaktovik, Point Hope, Unalakleet, and Bethel, Alaska.

DESCRIPTION: The project scope at each community is to determine the effects of erosion, gather field data, define appropriate solutions, and develop Project Partnership Agreements for construction, prepare construction documents and execute the construction.

<u>SUMMARIZED FINANCIAL DATA</u>		<u>FY2010 Construction</u>
Estimated Federal Cost		\$200,350,000 1/
Estimated Non-Federal Cost		77,200,000
Cash		76,200,000
Other		1,000,000 2/
Total Estimated Cost		277,550,000
Allocation thru FY 2009		58,579,000
Allocation for FY 2010		921,000
Budget Estimate 2011		0
Allocation 2011		0
Balance to complete after FY 2011		140,850,000
Benefit to Cost Ratio @ 7%		N/A

1/ Based on estimated cost to complete studies, and present estimated cost of solutions for the nine communities, at a 65% federal, 35% non-federal cost share.

2/ Estimated value of real estate to be provided by the communities.

FY 2010 ACTIVITIES: Implementation guidance for Section 116 is currently under development. Contingent upon implementation guidance FY2010 funds will be used to continue studies and complete ongoing construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Each community is a separable portion of the work. Dependent upon funding, Unalakleet, Shishmaref, and Kivalina could all be completed in 2013. The remaining six communities could be completed by 2017, again dependent upon funding.

OTHER INFORMATION: Alaska Coastal Erosion was initiated under a prior authorization (Section 117, PL 108-447) which provided 100% Federal funding. This authorization was repealed in FY2009, PL 111-8. Section 116 provides authorization for this work as a 65% Federal/35% Local funding match. New or amended agreements for each community will be required.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Hawaii Water Management, HI

AUTHORIZATION: Consolidated Appropriations Act, 2001, as enacted by Section 1(a)(4) of Public Law 106-554.

LOCATION: The project will repair publicly-owned irrigation systems on the islands of Oahu and Kauai, State of Hawaii.

DESCRIPTION: With the decline of the sugarcane industry in the State of Hawaii, the existing irrigation systems, which were built in the 19th century, are in a state of disrepair. Diversified agriculture is an important factor contributing to both the economic stability and food security of Hawaii. These systems continue to play a valuable role in sustaining and encouraging new and diversified agriculture.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	<u>FY2010 CONSTRUCTION</u>
Estimated Federal Cost	\$17,355,000
Estimated Non-Federal Cost	9,345,000
Cash	9,345,000
Other	0
Total Estimated Cost	26,700,000
Allocation thru FY 2009	6,690,000
Allocation for FY 2010	2,000,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	8,665,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Revise the scope of work to address additional design considerations and conduct new analyses as required by the Hawaii Dam and Reservoir Safety Act of 2007.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Preconstruction Engineering and Design (PED) phase is expected to be completed in 2013. Construction completion for the Waiahole, Oahu project is scheduled for 2015. Construction completion date for the Kokee, Kauai project is dependent upon funding availability. Funds would be carried over in order to generate sufficient funds needed to award a fully funded construction contract in the future for Waiahole and Kokee public irrigation systems.

OTHER INFORMATION: The Hawaii Dam and Reservoir Safety Act of 2007 created new requirements for evaluation and approvals before modifying a State-regulated dam or reservoir. Waiahole Reservoir 155 and Kitano and Puu Lua Reservoirs at Kokee are State-regulated dams. The scope of work needs to be modified and additional analyses performed to comply with the dam safety law. The local sponsor expects to complete a water-needs assessment for the Waiahole reservoirs in March 2010. Information from the assessment will be utilized to determine the scope of further investigations for Waiahole.

Farmers in Hawaii are already faced with high land costs, which are reflected in the cost of produce. Additionally, with the numerous water right challenges, there is even a greater need to provide reliable and affordable water supply to maintain Hawaii's emerging diversified agriculture.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI).

DISTRICT: Honolulu

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Iao Stream Flood Control, Maui, HI

AUTHORIZATION: The original project was constructed under Section 203 of the Flood Control Act of 1968 (PL 90-483). The design is being conducted, as authorized by the Chief of Engineers by letter report, 28 Mar 1995.

LOCATION: The Iao Stream Flood Control Project is located in the town of Wailuku on the island of Maui.

DESCRIPTION: The project was completed as a federally authorized project in October 1981. The project includes a debris basin, a system of diversion levees, and two reaches of channel improvements. The project has prevented an estimated \$24,200,000 in damages to date. However, high stream flows undermined the levees in late 1981 and again in August 1989. At the request of the County, the Corps conducted an initial authorization study for corrective action in accordance with Modification to Completed Projects program.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY2010 Preconstruction Engineering and Design (PED)</u>
Estimated Federal Cost	\$3,916,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	3,916,000
Allocation thru FY 2009	3,416,000
Allocation for FY 2010	250,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	250,000
Benefit to Cost Ratio @ 7%	1.20

FY 2010 ACTIVITIES: FY10 funds are being used to continue the Engineering Documentation Report and convert analysis to an Environmental Impact Statement (EIS).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Completion of the PED phase is currently scheduled for FY2012.

OTHER INFORMATION: FEMA requires that the existing project be certified to withstand a 1-percent frequency flood. In its present condition, the project is deficient and not certifiable. The County of Maui has an approved Provisionally Accredited Levee letter that states the Iao Stream levee accreditation will be accomplished in 2010. The remapping process to place the houses presently protected by the levees as shown on the effective FEMA flood insurance rate maps into the floodplain is scheduled to begin in 2010. Proposed project modifications will meet the criteria for future certification by a registered engineer and accreditation. Additionally, the sponsor, resource agencies, and area stakeholders have been working through a contested case for increasing stream flows in Iao Stream as flows have been diverted for agricultural and drinking water supply. The Commission on Water Resources Management released their proposed decision and order to restore in stream flow of approximately 13 million gallons a day to Iao Stream; restoration is pending final decision by the Commission. Due to the extensive comments received on the draft EA and the proposed decision to restore in stream flow by the Commission on Water Resources Management, an EIS has been determined to be required for the project and will replace the Environmental Assessment.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI), Senator Daniel Akaka (HI), and Representative Mazie Hirono (HI-2).

DISTRICT: Honolulu

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Kahuku Storm Damage Reduction Project, Oahu, HI

AUTHORIZATION: Energy and Water Development and Related Agencies Appropriations Act, 2010 (P.L.111-85), Sec 124.

LOCATION: The project is located in the community of Kahuku, located on the northeast coast of the island of Oahu, approximately 26 road miles from Honolulu.

DESCRIPTION: The Kahuku Watershed feasibility study focusing on developing flood damage reduction alternatives within the Ohia Stream and Hospital Ditch sub-basins was completed in fiscal year 2006 with no economically feasible plan identified. The study was terminated due to a finding of "no federal interest". Drainage problems at the Kahuku High School was identified in the feasibility study as a significant problem, however the Corps has no authority to implement interior drainage projects.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY2010 PED</u>	<u>CONSTRUCTION</u>
Estimated Federal Cost	\$585,000	\$4,360,000
Estimated Non-Federal Cost	0	2,340,000
Cash	0	2,340,000
Other	0	0
Total Estimated Cost	585,000	6,700,000
Allocation thru FY 2009	585,000	0
Allocation for FY 2010	0	100,000
Budget Estimate FY 2011	0	0
Allocation for FY 2011	0	0
Balance to Complete after FY 2011	0	4,260,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Carryover funds will be used to complete pre-construction engineering and design (PED) activities at full federal expense as directed in Sec 112 of the Consolidated Appropriations Act, 2008 (PL 101-161). The decision document is scheduled for completion in Apr 2010 followed by initiation of Plans and Specifications. The Decision Document will follow the structure/format of an Engineering Design Report (EDR), however, excluding the requirement for an economic analysis in accordance with the final 2008 Video Teleconference implementation plan. No construction work is scheduled for FY2010. Funds will be carried over to award a fully funded construction contract. We anticipate execution of the Project Partnership Agreement (PPA) in May 2011 subject to receipt of the balance of Federal funds and availability of non-Federal funds for construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Completion of the PED phase is currently scheduled for FY2011; Construction is scheduled for completion in FY2012.

OTHER INFORMATION: The following Act language was provided under the Energy and Water Development and Related Agencies Appropriations Act, 2010 (P.L.111-85), Sec 124 of the General Provisions:

The Secretary of the Army is authorized to carry out the project for storm damage reduction, Kahuku, Oahu, Hawaii, at a total cost of \$6,700,000, with an estimated Federal cost of \$4,360,000 and an estimated non-Federal cost of \$2,340,000.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI) and Representative Mazie Hirono (HI-2).

DISTRICT: Honolulu

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION, GENERAL CONTINUING AUTHORITIES PROGRAM
Enacted Studies

BUSINESS LINE: Storm Damage Protection (Section 103)

PROJECT/STUDY NAME: Shaktoolik Shoreline Protection, Shaktoolik, AK

AUTHORIZATION: Section 103, 1962 Rivers and Harbors Act (P.L. 87-874), as amended, authorizes Federal participation in the cost of protecting the shores of publicly owned property from hurricane and storm damage.

LOCATION: Shaktoolik is located on the east shore of Norton Sound. It lies 125 miles east of Nome and 33 miles north of Unalakleet.

DESCRIPTION: Shaktoolik is an isolated Malemiut Eskimo village community that is not accessible by any road system from another town. Aircraft is the only mode of year-round transportation to Shaktoolik. Residents utilize ATVs, trucks, and boats in the summer and snowmobile and dog sleds in the winter for transportation. Drinking water is pumped from the Tagoomenik River from a location downstream of an area referred to as "first bend". Its residents commercially fish and mostly live a subsistence lifestyle. The Shaktoolik economy is based on subsistence supplemented by part-time wage earnings. Shaktoolik is subject to erosion, and damage by flotsam, during storm events causing surge and high waves concurrently.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 CAP</u>
Estimated Federal Cost	\$450,000
Estimated Non-Federal Cost	350,000
Cash	350,000
Other	0
Total Estimated Cost	800,000
Allocation thru FY 2009	100,000
Allocation for FY 2010	80,000
Budget Estimate 2011	0
Allocation 2011	0
Balance to complete after FY 2011	270,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Allocated funds will be used to initiate a Feasibility Report to determine if there is a Federal interest in constructing shoreline protection at Shaktoolik.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2013 – Feasibility

OTHER INFORMATION: The Reconnaissance report, approved 24 April 2009, determined that Federal Interest does exist in this project with benefits to the Nation including reduced storm damage costs, allowing funds to be put to more productive uses such as the improvement or replacement of community infrastructure, increasing time for subsistence and other productive activities, and preventing discharge of contaminants to the ecosystem.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

NAVIGATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Barbers Point Harbor Modification, Oahu, HI

AUTHORIZATION: Section 209 of River and Harbor and Flood Control Act of 1962 (PL 87-874)

LOCATION: Barbers Point (Kalaeloa) Harbor is a Federally authorized harbor, completed in 1985 and located on the Ewa plain along the southwestern coast of the island of Oahu, approximately 20 road miles west of Honolulu.

DESCRIPTION: The purpose of the modification is to maximize cargo transportation efficiency (ultimately resulting in reducing the price of goods to consumers) by deepening the harbor entrance channel and basin to allow for larger (deeper draft) vessels to enter the harbor. In addition, a 375-foot jetty is proposed to mitigate cross currents within the harbor entrance channel which pose a hazard to navigation.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,851,000
Estimated Non-Federal Cost	1,503,000
Cash	1,083,000
Other	420,000
Total Estimated Cost	3,354,000
Allocation thru FY 2009	1,838,000
Allocation for FY 2010	13,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	1.15
Benefit to Cost Ratio @ 7%	

FY 2010 ACTIVITIES: FY10 activities include conduct Agency Technical Review and Independent External Peer Review of Draft Feasibility Report/Supplemental Environmental Impact Statement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The feasibility study is scheduled for completion in FY11 with initiation of the Preconstruction Engineering and Design phase to follow.

INFORMATION: The harbor continues to take on increasing importance both from a logistics and economics perspective as the population on the island of Oahu continues to increase and shift to the west side of the island. The study has been designated by the sponsor as its highest planning priority. Preliminary analysis indicates the project is justifiable with an estimated project cost of \$100,168,000 and a benefit to cost ratio of 1.15.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: N/A

PROJECT/STUDY NAME: Hawaii Department of Transportation GIS, Oahu, HI (Planning Assistance to States),

AUTHORIZATION: Section 22 of the Water Resources Development Act (WRDA) of 1974 (P.L. 93-251), as amended

LOCATION: State of Hawaii

DESCRIPTION: Develop geographic information system for the State of Hawaii's commercial harbors.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PAS</u>
Estimated Federal Cost	\$169,000
Estimated Non-Federal Cost	169,000
Cash	169,000
Other	0
Total Estimated Cost	338,000
Allocation thru FY 2009	69,000
Allocation for FY 2010	100,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	0
Benefit to Cost Ratio @ 7%	n/a

FY 2010 ACTIVITIES: Upon amendment of the existing cost sharing agreement and receipt of local sponsor funds, FY10 funds will be used to broaden scope of work to include more harbors and other aspects relating to commercial harbors in the State of Hawaii

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: n/a

OTHER INFORMATION: This study is being conducted under a FY08 Congressional Add entitled Honolulu, HI.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

FACT SHEET
INVESTIGATION
Enacted Studies

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Homer Harbor Navigation Improvements, AK

AUTHORIZATION: Rivers and Harbors in Alaska Resolution, 2 December 1970.

LOCATION: Homer is a small community in south central Alaska about 125 air miles south of Anchorage and 70 miles north of Kodiak.

DESCRIPTION: Local interests desire a new harbor basin. The current harbor basin at Port & Harbor of Homer is utilized beyond its capacity, with boats rafting 3 and 4 abreast at many locations in the harbor. Additionally, Homer is experiencing more demand every year for servicing larger fishing vessels, as a delivery port for these vessels to sell their catch, acquire ice, effect repairs, and for outfitting and provisioning as well as lay up between seasons. A new harbor basin dredged to minus 20' MLLW would not only reduce existing over-capacity and congestion but would also enable Port & Harbor of Homer to accommodate the growth in the use of Homer by the commercial fleet.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>		<u>FY 2010 Feasibility</u>
Estimated Federal Cost	\$	760,000
Estimated Non-Federal Cost	\$	760,000
Cash	\$	-
Other	\$	-
Total Estimated Cost	\$	1,520,000
Allocation thru FY 2009	\$	581,900
Allocation for FY 2010	\$	134,000
Budget Estimate 2011	\$	
Allocation 2011		
Balance to complete after FY 2011	\$	44,100
Benefit to Cost Ratio @ 7%		TBD

FY 2010 ACTIVITIES: Continue navigation improvements feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2011

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
INVESTIGATION
Enacted Studies

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Kotzebue Small Boat Harbor, AK

AUTHORIZATION: Rivers and Harbors in Alaska Resolution, 2 December 1970.

LOCATION: Kotzebue is on the Baldwin Peninsula in Kotzebue Sound. It is located near the discharges of the Kobuk and Noatak Rivers, 549 air miles northwest of Anchorage and 26 miles above the Arctic Circle.

DESCRIPTION: Kotzebue relies on marine transportation for most heavy commodities. The community also uses marine transportation for commercial fishing, subsistence, and tourism services. Existing support facilities are being impacted by uplands construction reducing usable support facilities and landing beach. A reconnaissance study identified possible Federal interest in development of a small boat harbor utilizing Swan Lake. The feasibility study will review improved small craft support and protection facilities, and potential improvements to lightering fuel and freight from ocean-going vessels.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY2010 INVESTIGATION</u>
Estimated Federal Cost	\$700,000
Estimated Non-Federal Cost	700,000
Cash	700,000
Other	-
Total Estimated Cost	1,400,000
Allocation thru FY 2009	90,000
Allocation for FY 2010	90,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	520,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Coordination with the City of Kotzebue to develop the appropriate agreements for progress of the study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Dependent upon funding, the feasibility study could be completed in 2014.

OTHER INFORMATION: Shallow depths increase costs for constructing navigation improvements. Kotzebue has a high amount of vessel traffic for subsistence fishing and gathering. Barge operations and facilities are being impacted and damaged by ice movement during break-up. Local sponsor does not have financial capability to cost share without a grant. Ability-to-pay provisions or other legislative relief may be required.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Maalaea Harbor, Maui, HI

AUTHORIZATION: The project is authorized for construction by Section 101 of the Rivers and Harbors Act of 1968 (PL 90-483).

LOCATION: Maalaea Harbor, originally constructed by the State of Hawaii is located in Maalaea Bay on the southwest coast of Maui, approximately 7 miles south of Wailuku, the county seat of Maui, State of Hawaii.

DESCRIPTION: The existing entrance channel is open to southerly swells and storm waves that directly enter the harbor basin causing damages to the vessels moored inside. The recommended project includes the enlargement, deepening and the realignment of the entrance channel and extension of the existing south breakwater to reduce surge and wave action within the basin..

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Preconstruction Engineering and Design (PED)</u>
Estimated Federal Cost	\$6,319,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	6,319,000
Allocation thru FY 2009	5,108,000
Allocation for FY 2010	181,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	1,030,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: FY10 activities include continuation of the GRR development to include conducting an updated carrying capacity analysis, stakeholder involvement and the public EIS scoping meeting and collecting information to assist in the development of the GRR scoping meeting package.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The PED phase is scheduled for completion in FY2013.

INFORMATION: The final EIS was filed with the EPA on April 28, 1980. A draft supplement EIS (SEIS) was completed in July 1994 with a second draft SEIS issued in May 1998. Numerous public and agency comments and concerns were raised in regards to the Clean Water Act alternatives analysis, impacts on coral reef and surfing resources. Because of the age of the documents, the change in baseline conditions, and the public concerns, a GRR is being developed including a reevaluation of alternatives based on updated physical and environmental baseline conditions; the economic benefits and costs; the mitigation strategy; and development of a third SEIS to include an increased public involvement process.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Valdez Navigation Improvements, Valdez, Alaska

AUTHORIZATION: Section 4012, PL 110-114, WRDA 2007

LOCATION: Valdez is located at the extreme northeastern end of Valdez Arm in Port Valdez, approximately 115 miles east of Anchorage. The Valdez port area is located near the head of the bay, with the town site occupying the uplands along the north shore.

DESCRIPTION: The demand for moorage space in the harbor far exceeds the existing capacity of 510 vessels. Rafting during the commercial fishing season has been reported up to eight boats deep on a regular basis. The problem is highly seasonal, requiring a large need for transient space primarily during the summer months.

The draft feasibility report tentatively identifies a feasible plan by constructing a harbor to moor 320 vessels east of the Ship Escort Response Vessel Systems (SERVS) dock south of the existing harbor. The current report focuses on the commercial and recreational navigation needs in Valdez. The study is scheduled to be completed in 2010.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Investigations - Preconstruction Engineering and Design (PED)</u>
Estimated Federal Cost	\$ 900,000
Estimated Non-Federal Cost	300,000
Cash	300,000
Other	-
Total Estimated Cost	1,200,000
Allocation thru FY 2009	0
Allocation for FY 2010	157,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	743,000
Benefit to Cost Ratio at 7%	TBD

FY 2010 ACTIVITIES: Complete the Feasibility report and initiate design agreement negotiations.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility report - 2010, PED - 2011

OTHER INFORMATION: Section 4012 of WRDA 2007 authorized the project for construction providing a feasible project was found. Draft feasibility report findings indicate a feasibility alternative exists.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
INVESTIGATIONS
Enacted Studies

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Whittier Small Boat Harbor, Whittier, Alaska

AUTHORIZATION: Rivers and Harbors in Alaska Resolution, 2 December 1970. Sec. 5007 of WRDA 2007 directed expeditious completion of the navigation feasibility study and authorized construction of the harbor improvements project if found feasible.

LOCATION: Whittier is located at the head of Passage Canal in Prince William Sound, approximately 60 miles southeast of Anchorage.

DESCRIPTION: The harbor is over capacity, causing damage to both vessels and facilities. During the busy summer season, it also necessitates constant shuffling of boats about the mooring area, and requires operators to take special precautions during storms to secure protected moorage. Furthermore, the lack of permanent slips forces some operators to move their boats to distant harbors or dry storage when their vessels are not in use. These activities take time and labor and raise operating costs. Those problems were exacerbated by the completion of the vehicle tunnel in 2000. A navigation feasibility study is underway, and is examining the development of additional moorage and a protected boat launch.

SUMMARIZED FINANCIAL DATA

	<u>FY 2010 Feasibility</u>
Estimated Federal Cost	\$1,283,000
Estimated Non-Federal Cost	1,283,000
Cash	1,283,000
Other	-
Total Estimated Cost	2,566,000
Allocation thru FY 2009	483,000
Allocation for FY 2010	134,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	666,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Fiscal Year 2010 funds will be used to continue the Phase II tasks to identify the NED Plan; including hydraulic and economic analyses, geotechnical and environmental field work including. The size of the project may necessitate an Environmental Impact Statement (EIS). The Phase II activities conclude with the alternative formulation briefing (AFB).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Dependent upon funding the feasibility could be completed in FY 2013.

OTHER INFORMATION: The original budget for this feasibility study was approximately \$1,300,000 this budget was based on performing an Environmental assessment. Project cost are anticipated to increase to a total cost of \$2,566,000, based on the need for an EIS verses an EA, to meet the additional peer review requirements and to perform additional geotechnical work in the feasibility phase.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Saint Paul Harbor, Alaska

AUTHORIZATION: Section 101(b)(3) of PL 104-303 (WRDA 1996), as modified by Section 303 of Public Law 106-53 (WRDA 1999) and Section 105 of PL 108-7, (EWDA 2003)

LOCATION: Saint Paul is located on a narrow peninsula on the southern tip of Saint Paul Island, the largest of five islands in the Pribilofs, in the eastern Bering Sea of Alaska. It lies 47 miles north of Saint George Island, 240 miles north of the Aleutian Islands, 300 miles west of the Alaska mainland, and 750 air miles west of Anchorage.

DESCRIPTION: The original harbor was constructed in 1990. The current harbor improvements project includes construction of three offshore reefs to protect the main breakwater, deepening of the entrance channel and maneuvering basin, construction of other inner harbor improvements and scour protection for the main breakwater, restoration of circulation in the salt lagoon, and construction of a small boat harbor. All work has been completed except the small boat harbor.

SUMMARIZED FINANCIAL DATA

FY2010 CONSTRUCTION

Estimated Federal Cost	\$ 65,983,000
Estimated Non-Federal Cost	11,818,000
Cash	11,818,000
Other	-
Total Estimated Cost	77,801,000
Allocation thru FY 2009	63,149,000
Allocation for FY 2010	2,834,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	0
Benefit to Cost Ratio @ 7%	2.0

FY 2010 ACTIVITIES: Fiscal Year 2010 allocation to be used for continuing construction on channels and canals. Additionally, these funds will be used for ongoing engineering and design and construction management activities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction is scheduled to be completed in FY2011.

OTHER INFORMATION: The small boat harbor contract was awarded 15 May 2009 and construction is to take place in 2010.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
CONSTRUCTION
Enacted Projects

BUSINESS LINE: Navigation

PROJECT NAME: Unalaska Harbor, Alaska (Continuing)

AUTHORIZATION: Section 314 of Ronald W. Reagan National Defense Authorization Act of 2005, PL 108-375

LOCATION: Unalaska Harbor is located on Amaknak Island in the Aleutian Chain. It lies 800 air miles from Anchorage and 1,700 miles northwest of Seattle.

DESCRIPTION: The project consists of a 180-meter long rubblemound breakwater, a 145-meter long floating breakwater, and a second 245-meter floating breakwater. The project would also require the dredging of 31,600 cubic meters of sand and gravel and 4,800 cubic meters of rock to complete the local sponsor's moorage basin.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$22,977,000
Estimated Non-Federal Cost	5,553,000
Cash	5,358,000
Other	195,000
Total Estimated Cost	28,530,000
Allocation thru FY 2009	9,274,000
Allocation for FY 2010	1,453,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	12,250,000
Benefit to Cost Ratio @ 7%	1.4

FY 2010 ACTIVITIES: Funds appropriated for FY2010 are being used to complete construction contract documents.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Contingent upon funding, construction could be completed in FY2011.

OTHER INFORMATION: Unalaska's economy is based on commercial fishing, fish processing, and fleet services such as fuel, repairs and maintenance, trade, and transportation. The community enjoys a strategic position as the center of a rich fishing area, and for transshipment of cargo between Pacific Rim trading partners. The Great Circle shipping route from major west coast ports to the Pacific Rim passes within 50 miles of Unalaska, and Dutch Harbor provides a natural protection for fishing vessels. Unalaska ranks as the number one port in the nation for seafood volume and value. Publicly owned marine facilities in the area do not adequately meet moorage needs at Unalaska. The proposed project would provide a protected harbor, which would produce benefits in the form of reduced boat damage, reduced fuel usage, and a harbor of refuge for transient vessels. A limited reevaluation report completed in 2009 states that the average annual navigation benefits attributable to the project are estimated at \$9,341,000.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION, GENERAL CONTINUING AUTHORITIES PROGRAM
Enacted Studies

BUSINESS LINE: Navigation (Section 107)

PROJECT/STUDY NAME: Elim Navigation Improvements Section 107, Elim, AK,

AUTHORIZATION: Section 107, River and Harbor Act of 1960 (PL 86-645), as amended for commercial navigation in accordance with current policies and procedures governing projects of the same type which are specifically authorized by Congress.

LOCATION: Elim is an Inupiat Eskimo village on the northwest shore of Norton Bay on the Seward Peninsula, 96 miles east of Nome. It lies 460 miles northwest of Anchorage. Elim is in the Cape Nome Recording District. The area encompasses 2.4 square miles of land.

DESCRIPTION: There are approximately 50 vessels in Elim used for transportation, and subsistence and commercial fishing. There are no navigation improvements near Elim. In the spring and summer residents sometimes use a naturally protected moorage located approximately 10 miles northeast of the community. During the earlier part of the fishing season the local road is impassable and crews from Elim cannot always access their vessels at this naturally protected moorage. When crews are unable to reach their vessels they cannot participate in commercial and subsistence fisheries. In the winter the vessels must be brought back to Elim and stored on shore. Residents experience increased travel costs moving vessels around to try to keep them safe. Vessels stored on shore require constant monitoring and experience increased wear and tear being pulled up onto land. There are no navigation improvements to facilitate delivery of fuel and goods so the costs of this critical activity are also increased.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 CAP</u>
Estimated Federal Cost	\$550,000
Estimated Non-Federal Cost	450,000
Cash	450,000
Other	0
Total Estimated Cost	1,000,000
Allocation thru FY 2009	100,000
Allocation for FY 2010	60,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	390,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Allocated funds will be used to initiate a Feasibility Report to determine if there is a Federal Interest in constructing Navigation Improvements at Elim.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013 – Feasibility Study

OTHER INFORMATION: Elim obtains all of its fuel by barge, and its fleet primarily fishes for salmon, crab, and herring.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
CONSTRUCTION, GENERAL CONTINUING AUTHORITIES PROGRAM
Enacted Studies

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Gustavus Navigation Improvements, Gustavus, AK,

AUTHORIZATION: Section 107, River and Harbor Act of 1960 (PL 86-645), as amended for commercial navigation in accordance with current policies and procedures governing projects of the same type which are specifically authorized by Congress.

LOCATION: Gustavus lies on the north shore of Icy Passage at the mouth of the Salmon River, 48 air miles northwest of Juneau in the St. Elias Mountains. It is surrounded by Glacier Bay National Park and Preserve on three sides and the waters of Icy Passage on the south. The community lies at approximately 58.413330° North Latitude and -135.736940° West Longitude. (Sec. 12, T040S, R058E, Copper River Meridian.) Freight arrives by barge.

DESCRIPTION: Small boats and small ferry boats regularly use the Gustavus Dock in the summer. Transient vessels have no protected moorage. Locals currently use the Salmon River to moor but are restricted to tidal limits for access and egress.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 CAP</u>
Estimated Federal Cost	\$450,000
Estimated Non-Federal Cost	350,000
Cash	350,000
Other	0
Total Estimated Cost	800,000
Allocation thru FY 2009	100,000
Allocation for FY 2010	100,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	250,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Pending ASA(CW) approval of the Section 107 fact sheet, allocated funds will be used to initiate a Feasibility Report to determine if there is a Federal Interest in constructing Navigation Improvements at Gustavus.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY12 if adequate funding is provided.

OTHER INFORMATION:

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
CONSTRUCTION, GENERAL CONTINUING AUTHORITIES PROGRAM
Enacted Studies

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Igiugig Navigation Improvements Section 107, Igiugig, AK,

AUTHORIZATION: Section 107, River and Harbor Act of 1960 (PL 86-645), as amended for commercial navigation in accordance with current policies and procedures governing projects of the same type which are specifically authorized by Congress.

LOCATION: Igiugig, Alaska is located on the Kvichak River, near where Lake Iliamna flows into the river. It is 50 air miles northeast of King Salmon, 48 miles southwest of Iliamna, and 250 miles west-southwest of Anchorage.

DESCRIPTION: Barge traffic travelling to several communities (carrying food, fuel, and supplies) in the Lake Iliamna and Lake Clark watersheds must travel the 60 mile Kvichak River from Bristol Bay to Lake Iliamna during fair weather. With safe moorage at Igiugig, operators could transit the Kvichak River and await a weather opening at Igiugig saving significant time for transportation of goods.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY2010 CAP</u>
Estimated Federal Cost	\$448,000
Estimated Non-Federal Cost	350,000
Cash	350,000
Other	0
Total Estimated Cost	798,000
Allocation thru FY 2009	38,000
Allocation for FY 2010	60,000
Budget Estimate 2011	
Allocation 2011	
Balance to complete after FY 2011	350,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Subject to ASA(CW) approval of the Section 107 fact sheet, allocated funds will be used to prepare a Program Management Plan and to execute a Feasibility Cost Sharing Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Earliest completion of Feasibility provided adequate funding is FY12

OTHER INFORMATION:

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
CONSTRUCTION, GENERAL CONTINUING AUTHORITIES PROGRAM
Enacted Studies

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Small Navigation Improvements, Iliamna, AK

AUTHORIZATION: Section 107, River and Harbor Act of 1960 (PL 86-645), as amended for commercial navigation in accordance with current policies and procedures governing projects of the same type which are specifically authorized by Congress.

LOCATION: Iliamna is located on the northwest side of Iliamna Lake, 225 miles southwest of Anchorage.

DESCRIPTION: The moorage facilities at Iliamna are frequently damaged by storms on the 77 mile long Lake Iliamna. This community serves as a hub for supplying several communities, recreational fishing lodges, and the regional mining industry.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY2010 CAP</u>
Estimated Federal Cost	\$447,000
Estimated Non-Federal Cost	350,000
Cash	350,000
Other	0
Total Estimated Cost	797,000
Allocation thru FY 2009	17,000
Allocation for FY 2010	80,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	350,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Allocated funds will be used to determine if there is a Federal Interest in continuing feasibility studies for the Small Navigation Improvements in Iliamna, AK. Funds would also be used to initiate a Feasibility Cost Sharing Agreement to continue the feasibility studies once approval to execute a FCSA is granted by ASA(CW).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Earliest completion of Feasibility, provided adequate funding, is FY12

OTHER INFORMATION:

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
CONSTRUCTION, GENERAL CONTINUING AUTHORITIES PROGRAM
Enacted Studies

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Kokhanok Navigation Improvements Section 107, Kokhanok, AK,

AUTHORIZATION: Section 107, River and Harbor Act of 1960 (PL 86-645), as amended for commercial navigation in accordance with current policies and procedures governing projects of the same type which are specifically authorized by Congress.

LOCATION: Kokhanok is located on the south shore of Iliamna Lake, 22 miles south of the village of Iliamna and 205 miles west-southwest of Anchorage.

DESCRIPTION: Kokhanok, a village of 178 residents, is connected to the rest of Alaska by Lake Iliamna. It is by way of the lake that Kokhanok gets much of its cash, food and supplies. Commercial fishermen make their way to Bristol Bay via the lake and the Kvichak River. Subsistence fishermen and hunters harvest food from the lake itself and use the lake to get to hunting grounds. Barges deliver freight that would be much more costly to deliver by plane. However, the access provided by Lake Iliamna is limited by winter freeze-up, and further limited by rough conditions brought on by Kokhanok's easterly and south-westerly winds. Kokhanok's lack of a boat harbor makes it difficult and dangerous to launch and land skiffs and barges when conditions are bad. When vessels can't launch, valuable access to the lake is lost. When vessels do manage to launch, they are often times damaged upon their return. Even boats anchored a few hundred feet from shore are sometimes damaged by the waves. The transportation costs associated with delivering goods to Kokhanok rise as barge companies afraid to land in rough conditions experience delays while waiting for waves to diminish or when supplies are flown in – rather than barged in – from Iliamna or other local hubs.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 CAP</u>
Estimated Federal Cost	\$450,000
Estimated Non-Federal Cost	350,000
Cash	350,000
Other	0
Total Estimated Cost	800,000
Allocation thru FY 2009	99,000
Allocation for FY 2010	100,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	251,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Allocated funds will be used to execute a Feasibility Cost Sharing Agreement and to initiate a Feasibility Report to determine if there is a Federal interest in constructing navigation improvements at Kokhanok..

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY12 if adequate funds are provided.

OTHER INFORMATION:

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
CONSTRUCTION, GENERAL CONTINUING AUTHORITIES PROGRAM
Enacted Studies

BUSINESS LINE: Navigation (Section 107)

PROJECT/STUDY NAME: Nanwalek Navigation Improvement Section 107, Nanwalek, AK,

AUTHORIZATION: Section 107, River and Harbor Act of 1960 (PL 86-645), as amended for commercial navigation in accordance with current policies and procedures governing projects of the same type which are specifically authorized by Congress.

LOCATION: Nanwalek is located at the southern tip of the Kenai Peninsula, in Southcentral Alaska. it is not accessible by road. The community was previously named English Bay.

DESCRIPTION: Nanwalek is a remote community that is accessible only by marine vessel or small aircraft. The community has never had a harbor even though most residents depend on boats to access the subsistence resources that they are dependent upon for their livelihood. Problem identification has not been completed.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 CAP</u>
Estimated Federal Cost	\$450,000
Estimated Non-Federal Cost	350,000
Cash	350,000
Other	0
Total Estimated Cost	800,000
Allocation thru FY 2009	100,000
Allocation for FY 2010	75,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	275,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Initial appraisal report to determine if there is federal interest in pursuing navigation improvements at Nanwalek to be completed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

FACT SHEET
CONSTRUCTION, GENERAL CONTINUING AUTHORITIES PROGRAM
Enacted Studies

BUSINESS LINE: Navigation (Section 107)

PROJECT/STUDY NAME: Navigation Improvement, Savoonga, AK

AUTHORIZATION: Section 107, River and Harbor Act of 1960 (PL 86-645), as amended for commercial navigation in accordance with current policies and procedures governing projects of the same type which are specifically authorized by Congress.

LOCATION: Savoonga is located on the north coast of St. Lawrence Island in the Bering Sea, 164 miles southwest of Nome and 685 miles northwest of Anchorage.

DESCRIPTION: The small boats used for commercial halibut and subsistence fishing must launch and land several times per day, often in three to five-foot surf. Breaking waves of 6 to 10 feet height are common. Boulders are being exposed in the historic landing area adding an additional hazard. This causes damages to boats, motors, equipment and cargo, as well as endangering lives. There is no protected beach within three miles of the village. In stormy weather, boats cannot be launched, reducing subsistence harvest opportunity. The commercial/subsistence fleet is composed of 18 foot aluminum boats, with 10 to 15 boats active at any given time. Subsistence activities include hunting sea mammals and birds, and fishing cod, halibut and crab. Commercial fishing is presently limited to halibut fishing on quota permits. The present halibut quota is seldom filled, and additional quota is available. Due to the lack of a protected landing site, these boats must be removed from the water when not in use, which limits the size of the boats. Residents have stated that, if there was a protected harbor, they would obtain larger boats increasing their commercial and subsistence opportunities. Barges carrying supplies to the island now must land three miles from the village or must lighter goods ashore.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 CAP</u>
Estimated Federal Cost	\$900,000
Estimated Non-Federal Cost	800,000
Cash	620,000
Other	180,000
Total Estimated Cost	1,700,000
Allocation thru FY 2009	177,000
Allocation for FY 2010	120,000
Budget Estimate 2011	
Allocation 2011	0
Balance to complete after FY 2011	603,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: Activities planned for FY10 include execution of a Feasibility Cost Sharing Agreement with the Native Village of Savoonga and initiation of a Feasibility Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Dependent upon funding, feasibility phase is scheduled to be completed in 2012.

OTHER INFORMATION: The primary objective of this study is to improve navigation by reducing delays and damages for vessels operating at Savoonga. Other potential improvements will be more efficient harvest of halibut (commercial), maximum use of harvest quotas, and reduction of surface transport requirements for cargo incoming to the island.

CONGRESSIONAL INTEREST: Senator Murkowski (AK), Senator Begich (AK), Congressman Young (AK-1)

DISTRICT: Alaska

AQUATIC ECOSYSTEM RESTORATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: N/A

PROJECT/STUDY NAME: Waimanalo Wastewater Effluent Reuse, HI (Planning Assistance to States)

AUTHORIZATION: Section 22 of the Water Resources Development Act (WRDA) of 1974 (P.L. 93-251), as amended

LOCATION: Waimanalo, Oahu, HI

DESCRIPTION: Develop a master plan for Waimanalo wastewater effluent reuse for City and County of Honolulu Environmental Services Division.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PAS</u>
Estimated Federal Cost	\$150,000
Estimated Non-Federal Cost	150,000
Cash	150,000
Other	0
Total Estimated Cost	300,000
Allocation thru FY 2009	83,000
Allocation for FY 2010	67,000
Budget Estimate FY 2011	0
Allocation for FY 2011	0
Balance to Complete after FY 2011	0
Benefit to Cost Ratio @ 7%	n/a

FY 2010 ACTIVITIES: Contingent upon execution of the cost share agreement and receipt of local sponsor funds, FY10 funds will be used to coordinate with stakeholders and develop the wastewater effluent reuse master plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: n/a

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI)

DISTRICT: Honolulu

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: West Maui Watershed, Maui, HI

AUTHORIZATION: Section 209 of River and Harbor and Flood Control Act of 1962 (PL 87-874)

LOCATION: The West Maui watershed includes the entire area associated with the West Maui Mountains (approximately 90,000 acres) on the island of Maui. It encompasses all of the West Maui drainage areas from the north at Honokohau to the south at Maalaea, and from the east at Wailuku to the west at Lahaina.

DESCRIPTION: The West Maui area is an important economic basis for the State of Hawaii, particularly associated with the Lahaina, Kaanapali, and Kapalua areas. It is imperative that the valuable ecological resources which contribute to the economy are protected. The West Maui Watershed has been identified by the State of Hawaii for special conservation and preservation activities due to existing near-pristine forestlands and off shore coral reefs. Protection of these attractions and of the valuable ecological resources is important if West Maui is to remain an economic boost for the State. Lack of improvements and protection measures potentially may contribute to uncontrolled sedimentation and pollution, leading to the detriment of the water and related riverine and coastal ecological systems

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,850,000
Estimated Non-Federal Cost	1,500,000
Cash	1,500,000
Other	0
Total Estimated Cost	3,350,000
Allocation thru FY 2009	0
Allocation for FY 2010	90,000
Budget Estimate FY 2011	50,000
Allocation for FY 2011	0
Balance to Complete after FY 2011	1,710,000
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: The Reconnaissance Phase (905(b), PMP and FCSA) is scheduled to be completed in March 2010. Stakeholder involvement activities and baseline data collection to support the Feasibility Scoping Meeting package will begin in FY10.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The feasibility study is scheduled for completion in FY2014.

INFORMATION: The geographic scope of the West Maui Watershed study has been reduced to a size more affordable for the State, focusing on priority areas. The study will result in a comprehensive integrated water resources management plan that identifies actions for all federal, state and local agencies and stakeholders, including USACE, to undertake to improve watershed health. The primary sponsor is the State Department of Land and Natural Resources (DLNR). State Department of Health and Maui County are considering potential joint sponsorship with DLNR.

CONGRESSIONAL INTEREST: Senator Daniel K. Inouye (HI); Senator Daniel K. Akaka; Representative Mazie Hirono (HI-2)

DISTRICT: Honolulu

OPERATION AND MAINTENANCE

Key to Abbreviations:

N = Navigation

FRM = Flood Risk Management

Rec = Recreation

Hydro = Hydropower

ES = Environmental Stewardship

WS = Water Supply

FACT SHEET
Operations and Maintenance
Enacted Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Kodiak Harbors (St Paul and St Herman's Harbors), Kodiak, Alaska

AUTHORIZATION:

1) Rivers and Harbors Act, 30 August 1935 (House Doc. 208, 72nd Congress, 1st Session) as adopted, provides for a channel between Near Island and Kodiak Island. 2) Rivers and Harbors Act, 3 September 1954 (House Doc. 465, 83rd Congress, 2nd Session) as adopted, provides for a small boat basin. 3) Section 202 of Public Law 99-662 (Senate Doc. 6, 96th Congress, 1st Session) 17 November 1990 provide for a breakwater and entrance channel. 4) WRDA 2007, Section 5033, requires the Secretary of the Army to carry out, on an emergency basis, necessary removal of rubble, sediment, and rock impeding the entrance to the St Herman and St. Paul Harbors, Kodiak, Alaska, at a Federal cost of \$2,000,000.

LOCATION: Kodiak is located near the northwestern tip of Kodiak Island in the Gulf of Alaska, 252 air miles south of Anchorage.

DESCRIPTION: Kodiak, Alaska is the third largest commercial fishing port in the United States, is a world leader in king crab production, and ranks among the top four national ports in halibut production. Kodiak Harbors is made up of two harbors, St Paul Harbor and St Herman's Harbor. St Paul Harbor has protected moorage for approximately 200 vessels and St Herman's holds about 900 vessels in the summer and 650 over the winter. Kodiak is also an important cargo port and transshipment center for the State of Alaska.

<u>FY2010</u> <u>SUMMARIZED FINANCIAL DATA:</u>	<u>OPERATIONS</u>	<u>& MAINTENANCE</u>
Estimated Federal Cost		\$2,899,000
Estimated Non-Federal Cost		0
Cash	0	
Other	0	
Total Estimated Cost		2,899,000
Allocation thru FY 2009		119,000
Allocation for FY 2010		240,000
Budget Estimate FY2011		0
Allocation for FY 2011		0
Balance to Complete After FY 2011		2,540,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Funds are being used to perform geotechnical investigations, sediment characterizations, and obtain environmental clearances for dredging the St Paul harbor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Harbor dredging completion is contingent upon funding availability.

OTHER INFORMATION: The results of a 2009 hydrographic survey show high within the harbor that impedes vessel traffic at low tides. Waterborne commerce for 2008 was 118,210 tons.

CONGRESSIONAL INTEREST: Senator Lisa Murkowski (AK), Senator Mark Begich (AK), and Representative Don Young (AK).

DISTRICT: Alaska

SOUTH ATLANTIC DIVISION

SOUTH ATLANTIC DIVISION
ENACTED MATERIAL
TABLE OF CONTENTS

ENACTED PROJECTS	SAD-4
FLOOD RISK MANAGEMENT	SAD-5
INVESTIGATIONS	SAD-6
BOGUE BANKS, NC.....	SAD-7
FLAGLER COUNTY, FL.....	SAD-8
SAVANNAH RIVER BASIN COMP STUDY, GA.....	SAD-9
ST LUCIE COUNTY, FL.....	SAD-10
SURF CITY & NORTH TOPSAIL BEACH, NC.....	SAD-11
WALTON COUNTY, FL.....	SAD-12
CONSTRUCTION	SAD-13
BRUNSWICK COUNTY BEACHES, NC.....	SAD-14
CAROLINA BEACHES & VICINITY, NC.....	SAD-15
CEDAR HAMMOCK/WARES CREEK, FL.....	SAD-16
LEE COUNTY, FL.....	SAD-17
MANATEE COUNTY, FL.....	SAD-18
PALM BEACH COUNTY (REIMB), FL.....	SAD-19
PANAMA CITY BEACH, FL.....	SAD-20
PINELLAS COUNTY, FL.....	SAD-21
WEST ONSLOW BEACH, NC.....	SAD-22
CONTINUING AUTHORITIES PROGRAM	SAD-23
BYRUM CREEK, SC.....	SAD-24
ESTATE LA GRANGE AT ST CROIX, USVI.....	SAD-25
RIO OROCOVIS, PR.....	SAD-26
ROCKY BRANCH, SC.....	SAD-27
NAVIGATION	SAD-28
INVESTIGATIONS	SAD-29
MIAMI HARBOR, FL.....	SAD-30
PORT EVERGLADES HARBOR, FL.....	SAD-31
CONSTRUCTION	SAD-32
JACKSONVILLE HARBOR, FL.....	SAD-33
MANATEE HARBOR, FL.....	SAD-35
PONCE DE LEON INLET, FL.....	SAD-36
PORT EVERGLADES HARBOR (REIMB), FL.....	SAD-37
TUSCALOOSA, AL.....	SAD-38
CONTINUING AUTHORITIES PROGRAM	SAD-39
SC COAST REGIONAL SEDIMENT MANAGEMENT, SC.....	SAD-40
AQUATIC ECOSYSTEM RESTORATION	SAD-41

INVESTIGATIONS	SAD-42
INDIAN RIVER LAGOON NORTH, FL.....	SAD-43
REEDY RIVER, SC.....	SAD-44
CONTINUING AUTHORITIES PROGRAM.....	SAD-45
BELHAVEN HARBOR	SAD-46
BIG FISHWEIR CREEK, FL.....	SAD-47
CALOOSAHATCHEE OXBOW RESTORATION, FL	SAD-48
CHATTAHOOCHEE DAM, AL & GA.....	SAD-49
CONCORD STREAMS, NC	SAD-50
CYPRESS CREEK, AL	SAD-51
HOGANS CREEK RESTORATION, FL	SAD-52
LAKE JESSUP, FL.....	SAD-53
LITTLE RIVER WATERSHED, GA	SAD-54
SARASOTA BAY RESTORATION, FL	SAD-55
WESTERN CARY STREAM RESTORATION, NC	SAD-56
ENVIRONMENTAL INFRASTRUCTURE.....	SAD-57
CONSTRUCTION.....	SAD-58
ATLANTA ENVIRONMENTAL INFRASTRUCTURE, GA.....	SAD-59
FLORIDIA KEYS WATER QUALITY IMPROVEMENT, FL.....	SAD-60
LAKES MARION & MOULTRIE, SC	SAD-61
OPERATION AND MAINTENANCE	SAD-62
BEAUFORT HARBOR, NC	SAD-63
BOGUE INLET, NC	SAD-64
CAROLINA BEACH INLET, NC	SAD-65
CEDAR ISLAND KEATON BEACH CHANNEL, FL	SAD-66
IWW CALOOSAHATCHEE TO ANCLOTE, FL	SAD-67
LOCKWOODS FOLLY RIVER, NC	SAD-68
MIAMI RIVER, FL	SAD-69
NAPLES TO BIG MARCO PASS, FL	SAD-71
NEW TOPSAIL INLET AND CONNECTING CHANNELS, NC	SAD-72
PONCE DE LEON INLET, FL.....	SAD-73
PORT ST JOE, FL.....	SAD-74

**SOUTH ATLANTIC
DIVISION**

ENACTED PROJECTS

FLOOD RISK MANAGEMENT

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Bogue Banks, NC

AUTHORIZATION: Resolution adopted by the House Committee on Transportation and Infrastructure dated 23 July 1998.

LOCATION: Bogue Banks is located in Carteret County on the central North Carolina coast located approximately 40 miles southeast of New Bern, North Carolina. From west to east the incorporated towns on the island are Emerald Isle, Indian Beach, Salter Path, Pine Knoll Shores, and Atlantic Beach.

DESCRIPTION: The study is evaluating the feasibility of pursuing the construction of a coastal storm damage reduction project of some magnitude along the 24-mile long barrier island. Recent storms including Hurricanes Fran and Bertha during the summer of 1996 and Hurricane Floyd in 1999 caused considerable erosion to the natural protective dune system and severe damage to upland structures due to storm surge and wave action.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 3,072,500
Estimated Non-Federal Cost	\$ 2,979,750
Cash	\$ 2,979,750
Other	\$ 0
Total Estimated Cost	\$ 6,052,250
Allocation thru FY 2008	\$ 2,170,000
Allocation for FY 2009	\$ 239,000
Recovery Allocations to Date	\$ 173,500
Allocation for FY 2010	\$ 24,000
Balance to Complete after FY 2010	\$ 466,000
Benefit to Cost Ratio at 7%	TBD

FY 2010 ACTIVITIES: Continue the feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Scheduled for September 2012, subject to the availability of funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Burr (NC), Hagan (NC), Jones (NC-03)

DISTRICT: Wilmington
Date: 01/02/2010

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Flagler County Shore Protection Project

AUTHORIZATION: Resolution adopted May 22, 2002, by the House Committee on Transportation and Infrastructure.

LOCATION: Flagler County, Florida

DESCRIPTION: Flagler County is bounded to the north by St. Johns County and to the south by Volusia County. The county has approximately 18 miles of Atlantic coast shoreline. Matanzas Inlet and Ponce de Leon Inlet are located to the north and south of the county, respectively. The shoreline of Flagler County is open to wave attack from the north/northeast through the southeast. During storms, northeasterly winds of significant magnitude extending over a large fetch on the order of 1,000 miles can produce extreme water levels and large waves that transmit considerable energy to the shoreline. Storm induced shoreline recession in the county threatens upland development as well as State Road A1A.

FY		2010
<u>SUMMARIZED FINANCIAL DATA</u>		<u>Study</u>
Estimated Federal Cost	\$	879,000
Estimated Non-Federal Cost	\$	785,000
Cash	\$	760,000
Other	\$	25,000
Total Estimated Cost	\$	1,664,000
Allocation thru 2008	\$	382,000
Allocation for FY 2009	\$	263,000
Recovery Act Allocations To Date		\$ 0
Allocation for FY 2010	\$	209,000
Balance to Complete after FY 2010		\$ 25,000
Benefit to Cost Ratio @7%		TBD

FY 2010 ACTIVITIES: Continue with feasibility study (started in FY 2005 with \$60,000 provided) and hold Feasibility Scoping Meeting.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011, dependent on future appropriations.

OTHER INFORMATION: FCSA executed September 2004.

CONGRESSIONAL INTEREST: Congressman John L. Mica (FL7-R).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Savannah River Basin Comprehensive Study, GA & SC

AUTHORIZATION: Water Resources Development Act of 1996, Section 414 (Public Law 104-303)

LOCATION: The study area includes the Savannah River Basin, encompassing all or portions of 44 counties within Georgia, South Carolina and North Carolina.

DESCRIPTION: The study includes a review of the current authorized purposes and operating plans for Hartwell, Richard B. Russell and J. Strom Thurmond reservoirs to determine if changes in storage allocations or operations are warranted to meet current and future needs for flood control, water supply, fish and wildlife, drought management, water quality, recreation and other related purposes. Water supply is a main concern in the basin as population growth is causing a number of communities to look to the reservoirs in the Savannah Basin for future supply.

<u>SUMMARIZED FINANCIAL DATA</u>		<u>FY 2010 Study</u>
Estimated Federal Cost	\$	2,628,000
Estimated Non-Federal Cost	\$	2,000,000
Cash	\$	1,492,000
Other	\$	508,000
Total Estimated Study Cost	\$	4,628,000
Allocation thru FY 2008		\$ 1,610,000
Allocation for FY 2009		\$ 0
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010	\$	493,000
Balance to Complete after FY 2010		\$ 525,000
Benefit to Cost Ratio @ 7%		TBD

FY 2010 ACTIVITIES: Reinitiate feasibility by assessing the analyses previously performed. Develop a scope, schedule and budget for the remainder of the study efforts. Initiate detailed environmental and engineering studies.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility is scheduled for completion in FY2013, subject to funding.

OTHER INFORMATION: Feasibility Cost Share Agreement (FCSA) signed June 2000. Study was suspended in 2006 due to lack of non-federal funding.

CONGRESSIONAL INTEREST: Congressional representatives from the States of Georgia and South Carolina.

DISTRICT: Savannah

DATE: 01/02/2010

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: St. Lucie County Shore Protection Project, FL

AUTHORIZATION: WRDA 2000

LOCATION: St. Lucie County, Florida

DESCRIPTION: St. Lucie County is located on the East Coast of Florida, approximately 225 miles south of Jacksonville and 100 miles north of Miami. The ocean shoreline of St. Lucie County is approximately 25 miles long. The impacts of the hurricane season of 2004-2005 emphasized the critical need for shoreline protection throughout this area. The non-Federal project sponsor (St. Lucie County) supports the study.

FY		2010
<u>SUMMARIZED FINANCIAL DATA</u>		<u>Study</u>
Estimated Federal Cost	\$1,256,000	
Estimated Non-Federal Cost	\$	988,000
Cash		\$ 0
Other	\$	988,000
Total Estimated Cost	\$	2,244,000
Allocation thru 2008	\$	473,000
Allocation for FY 2009	\$	335,000
Recovery Act Allocations To Date	\$	0
Allocation for FY 2010	\$	448,000
Balance to Complete after FY 2010		\$ 0
Benefit to Cost Ratio @ 7%	TBD	

FY 2010 ACTIVITIES: Preliminary engineering, economic, and real estate data gathering, computer model generation, and report generation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase to be completed 2012 if adequate funding is provided.

OTHER INFORMATION: House Study Resolution dated April 2000 authorized the study for St. Lucie County Beaches. A reconnaissance study was approved August 2003. A Feasibility Study Cost Sharing Agreement was executed June 2004. The sponsor conducted their portions of the study as work-in-kind throughout FY 2008 and FY 2009 due to a lack of Federal funding in order to keep the study progressing.

CONGRESSIONAL INTEREST: Congressman Tom Rooney (FL16-R).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Surf City and North Topsail Beach, NC

AUTHORIZATION: Resolution adopted by the House Committee on Transportation and Infrastructure dated February 16, 2000, docket number 2617.

LOCATION: The Towns of Surf City and North Topsail Beach are located on Topsail Island. Topsail Island is a barrier island located about 25 miles northeast of Wilmington, NC between New Topsail Inlet and New River Inlet. From north to south, the communities of North Topsail Beach, Surf City and Topsail Beach are located on Topsail Island.

DESCRIPTION: Local interests desire a coastal storm damage reduction study to provide flood damage reduction to upland structures and the town's infrastructure. The town of Surf City has established a beach renourishment committee which has determined that property owners are willing to support a coastal storm damage reduction study and project, if feasible. The feasibility cost sharing agreement was executed on February 13, 2002. Both towns were struck by several hurricanes in 1996 and 1999, which caused severe erosion and severely damaged or destroyed the primary dune system and the structures along the ocean shoreline. Both towns are vulnerable to damages from future storm events.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	
Estimated Federal Cost	\$ 2,485,000
Estimated Non-Federal Cost	\$ 2,172,500
Cash	\$ 2,136,500
Other	\$ 36,000
Total Estimated Cost	\$ 4,657,500
Allocation thru FY 2008	\$1,801,000
Allocation for FY 2009	\$ 519,000
Recovery Allocations to Date	\$ 0
Allocation For FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$ 75,000
Benefit to Cost Ratio at 7%	TBD

FY 2010 ACTIVITIES: Continue the feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: July 2010

OTHER INFORMATION: The northern 7 miles of North Topsail Beach is located in a Coastal Barrier Resources Act Zone, which precludes it from being incorporated into this study.

CONGRESSIONAL INTEREST: Senators Burr and Hagan, Representative McIntyre (NC-07)

DISTRICT: Wilmington
Date: 01/02/2010

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Walton County, FL

AUTHORIZATION: Study resolution adopted 24 July 2002 by House Committee on Transportation and Infrastructure, Senate Committee on Environment and Public Works, adopted 25 July 2002.

LOCATION: Walton County, FL is the located in the northwest Florida panhandle and lies directly east of Okaloosa County and west of Holmes, Washington and Bay Counties.

DESCRIPTION: This study will investigate shoreline protection measures intended to reduce hurricane and storm damages and provide environmental restoration along the 26-mile gulf front of Walton County.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>PED</u>
Estimated Federal Cost	\$	1,100,000
Estimated Non-Federal Cost	\$	367,000
Cash	\$	367,000
Other	\$	0
Total Estimated Cost	\$	1,467,000
Allocation thru 2008	\$	309,000
Allocation for FY 2009	\$	565,000
Recovery Act Allocations To Date		\$ 0
Allocation for FY 2010	\$	90,000
Balance to Complete after FY 2010		\$136,000
Benefit to Cost Ratio @ 7% (4.375%)		1.14 (1.23)

FY 2010 ACTIVITIES: The feasibility study activities are continuing. The Alternative Formulation Briefing (AFB) was completed in December 2009.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility phase in 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Nelson (FL), LeMieux (FL) and Miller (FL-01).

DISTRICT: Mobile
Date: 01/02/2010

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Brunswick County Beaches, North Carolina

AUTHORIZATION: Flood Control Act of 1966, House Document No. 511, 89th Congress, 2d Session, Cape Fear River to North Carolina – South Carolina State Line, 7 November 1966.

LOCATION: Brunswick County, North Carolina, in the southeastern portion of North Carolina.

DESCRIPTION: The authorized project provides beach erosion and storm damage reduction along segments of the Brunswick County shoreline of North Carolina. A comprehensive study of the project area is currently underway to reevaluate shoreline improvements previously recommended for construction. The General Reevaluation Report (GRR) will address recommended shoreline improvements for Oak Island, Holden Beach and Caswell Beach.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	<u>n</u>
Estimated Federal Cost	\$ 219,600,000
Estimated Non-Federal Cost	\$ 118,400,000
Cash	\$ 115,680,000
Other	\$ 2,720,000
Total Estimated Cost	\$ 338,000,000
Allocation thru FY 2008	\$ 15,464,000
Allocation for FY 2009	\$ 3,680,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 947,000
Balance to Complete After FY 2010	\$ 199,509,000
Benefit to Cost Ratio @ 7%	1.90

FY 2010 ACTIVITIES: Continue coastal and environmental studies for GRR and initiate the nourishment cycle contract for Ocean Isle Beach.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: May 2012 - complete GRR

OTHER INFORMATION: Investigations are underway to determine if Frying Pan Shoals could be utilized as a source of borrow to satisfy a project nourishment requirement. Geotechnical and environmental surveys for this area have been completed. Environmental coordination with agencies is continuing.

CONGRESSIONAL INTEREST: Senators Burr and Hagan, McIntyre (NC-07)

DISTRICT: Wilmington
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Carolina Beach and Vicinity, North Carolina

AUTHORIZATION: Flood Control Act of 1962

LOCATION: The Carolina Beach project is located in New Hanover, NC, about 15 miles southeast of Wilmington, NC.

DESCRIPTION: The authorized project provides beach erosion and storm damage reduction along two separable segments of shoreline, including the Carolina Beach and Area South (Kure Beach) portions. The Carolina Beach portion includes a 25-foot wide dune at elevation 13.5 feet, a 50-foot wide integral beach berm at elevation 10.5 feet and beach fill extending about 14,000 feet from the northern to southern limits of Carolina Beach. The Area South portion includes a 25-foot dune at elevation 13.5 feet with a 50-foot wide integral beach berm at elevation 9.5 feet extending about 18,000 feet from the southern limits of Carolina Beach to the northern limits of Fort Fisher.

<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	FY 2010
	n
Estimated Federal Cost	\$ 119,275,000
Estimated Non-Federal Cost	\$ 64,225,000
Cash	\$ 64,225,000
Other	\$ 0
Total Estimated Cost	\$ 183,500,000
Allocation thru FY 2008	\$ 34,795,000
Allocation for FY 2009	\$ 5,000,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 1,417,000
Balance to Complete After FY 2010	\$ 78,063,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Award and complete the contract for the FY 2010 nourishment cycle.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: For Carolina Beach portion, FY 2014. For Area South portion, FY 2047.

OTHER INFORMATION: Project portions are nourished every 3 years. For the Carolina Beach portion, an initial appraisal is scheduled to be conducted in FY 2010 under the authority of section 216 of the Flood Control Act of 1970. This appraisal will determine Federal interest in initializing detailed studies to extend the authorization for the Carolina Beach portion only after FY 2014.

CONGRESSIONAL INTEREST: Senators Burr and Hagan, Rep. McIntyre (NC-07)

DISTRICT: Wilmington
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Cedar Hammock-Ware's Creek, FL

AUTHORIZATION: Section 101(a) (10) of the Water Resources Development Act of 1996

LOCATION: Manatee County, Florida

DESCRIPTION: The authorized flood damage reduction project provides 10-year level of protection to flood-prone residential and commercial development along the East Branch of Cedar Hammock and Wares Creek. The project provides for construction of channel improvements, to include clearing and snagging the lower reach, widening the existing channel to a trapezoidal grass-lined channel, installing vertical sheet pile wall channel and utility relocations. Heavy rains in September 1988 and June 1992 caused extensive flooding in the project area. Under existing conditions, average annual flood damages are estimated at \$6,725,700.

<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	FY 2010
	<u>n</u>
Estimated Federal Cost	\$ 21,100,000
Estimated Non-Federal Cost	\$ 27,400,000
Cash	\$ 5,432,000
Other	\$ 21,968,000
Total Estimated Cost	\$ 48,500,000
Allocation thru FY 2008	\$ 11,707,000
Allocation for FY 2009	\$ 3,828,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 5,565,000
Balance to Complete After FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Start construction of the lower reach. Continue design and real Estate acquisitions for widening the existing channel to a trapezoidal grass-lined channel, and installing vertical sheet pile wall channel.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Congressman Vern Buchanan (FL13-R).

DISTRICT: Jacksonville

Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Lee County, FL

AUTHORIZATION: Section 309, P.L. 106-541, Section 201 of the Flood Control Act of 1965 (79 Stat. 1073); Section 206 of WRDA 1992 (33 U.S.C. 426i-1); Section 312, P.L. 106-53, Section 506(b)(3)(A) of WRDA 1996 (110 Stat. 3758); Section 206 of WRDA 1992 (33 U.S.C. 126i-1); and WRDA 1986.

LOCATION: Lee County, FL, located on the lower Gulf coast, about 90 miles south of Tampa.

DESCRIPTION: The authorized project provides shore erosion protection and beach nourishment for segments along Captiva Island, Gasparilla Island and Estero Island. Initial construction of the 4.5-mile long project at Captiva Island was completed in April 1989 and later renourished in 1997 by the Captiva Erosion Prevention District (CEPD). The federal share of the construction cost was reimbursed to CEPD in FY 04 and FY 98. The authorized project also includes beach fill and periodic nourishment along 2.7 miles of Gasparilla Island with a 0.5-mile revetment and a groin at the southern end of the island, and initial beach fill and periodic nourishment along 4.6 miles of Estero Island with a groin at the northern end of the island.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 57,100,000
Estimated Non-Federal Cost	\$119,800,000
Cash	\$119,245,000
Other	\$ 555,000
Total Estimated Cost	\$176,900,000
Allocation thru FY 2008	\$ 11,612,000
Allocation for FY 2009	\$ 191,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 645,000
Balance to Complete After FY 2010	\$ 44,652,000
Benefit to Cost Ratio @ 7% Captiva 1.88; Gasparilla 1.30; Estero 1.40	

FY 2010 ACTIVITIES: Reimbursement for a portion of the Federal share of the Gasparilla Island segment and project coordination for the Captiva Island segment.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman Connie Mack (FL14-R).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Manatee County, Florida

AUTHORIZATION: Section 206, Water Resources Development Acts of 1992.

LOCATION: Manatee County, Florida, located just south of Egmont Key at the entrance to Tampa Harbor.

DESCRIPTION: The authorized project provides for 4.7 miles of initial beach fill and periodic nourishment along Anna Maria Island. Initial construction of 75-foot wide beach berm was completed in 1993, which provided protection against a significant storm event causing damages along Gulf shorefronts that year. Manatee County, the project sponsor, completed the first periodic renourishment in 2002. In 2006 the Corps completed rehabilitation of the project to replace the erosion losses from the 2004 hurricanes under PL 84-99. During 2009, Manatee County indicated a desire to initiate engineering and design to renourish the project in 2012.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	_____n
Estimated Federal Cost	\$ 44,400,000
Estimated Non-Federal Cost	\$ 37,100,000
Cash	\$
Other	
Total Estimated Cost	\$ 81,500,000
Allocation thru FY 2008	\$ 10,131,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete After FY 2010	\$ 34,169,000
Benefit to Cost Ratio @ <u>7 3/8%</u> 1.9	

FY 2010 ACTIVITIES: Provide engineering and design support to Manatee County for their preparation of the necessary reports for the upcoming renourishment.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 30, 2010

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman Vern Buchanan (FL13-R)

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Palm Beach County, Florida

AUTHORIZATION: River and Harbor Act of 1962.

LOCATION: Palm Beach County, Florida, about 50 miles north of Miami.

DESCRIPTION: The authorized project provides shore protection and beach nourishment along segments of the Palm Beach County shoreline. Separable elements of the project have been initially constructed and renourished by the sponsors since 1970. The Corps completed renourishment contracts in 2006 for Delray Beach and Ocean Ridge under PL 84-99 authority for replacement of the erosion losses attributed to the 2004 hurricanes. The City of Boca Raton initiated renourishment of the north Boca Raton segment in fall 2009 under an existing cost sharing agreement. Palm Beach County intends to renourish the Jupiter Carlin and Ocean Ridge segments in 2012 and seek reimbursement of the Federal share of eligible costs.

<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	FY 2010 <u>n</u>
Estimated Federal Cost	\$ 70,900,000
Estimated Non-Federal Cost	\$153,800,000
Cash	\$152,158,000
Other	\$ 1,642,000
Total Estimated Cost	\$224,700,000
Allocation thru FY 2008	\$ 29,227,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 581,000
Balance to Complete After FY 2010	\$ 41,092,000
Benefit to Cost Ratio @ 7%	2.8

FY 2010 ACTIVITIES: FY 2010 appropriation will be used to conduct audits and reimburse the city of Boca Raton and city of Delray Beach the Federal share of eligible costs for completed work in accordance with cost sharing agreements.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 30, 2010

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Congressman Ron Klein (FL22-D).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Panama City Beaches, FL

AUTHORIZATION: Water Resources Development Act of 1986, Section 501(a)

LOCATION: Panama City, FL. (Pinnacle Port and Carillon beach segments)

DESCRIPTION: The authorized project provides beach erosion control and storm damage reduction along segments of the Panama City shoreline. Beach renourishment at Pinnacle Port and Carillon beach segments are essential to this area of Florida to reduce coastal flood damages associated with storms events.

<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	FY 2010
	<u>n</u>
Estimated Federal Cost	\$ 4,130,000
Estimated Non-Federal Cost	\$ 2,224,000
Cash	\$ 2,224,000
Other	\$ 0
Total Estimated Cost	\$ 6,354,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 478,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 3,652,000
Balance to Complete After FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	1.10

FY 2010 ACTIVITIES: Complete plans, specs and environmental clearances and award a construction contract for beach renourishment of the western one mile reach of the originally authorized project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: October 2010.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senator Bill Nelson (FL), Senator George LeMieux (FL) and Congressman Allen Boyd (FL-02).

DISTRICT: Mobile.

Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Pinellas County, FL

AUTHORIZATION: River and Harbor Act of 1966, and the Water Resources Development Act of 1986

LOCATION: Pinellas County, Florida, along 25 miles of the west central coast island beaches from Dunedin Pass to Pass-A-Grille Pass

DESCRIPTION: The project provides for the restoration of 5,000 feet of shoreline on Clearwater Beach Island, restoration of 41,700 feet of shoreline on Sand Key, restoration of 10,700 feet of shoreline on Treasure Island, nourishment of 2,800 feet of shoreline on Long Key, and periodic nourishment as needed along the entire length of the four islands. The design includes a 40-foot wide berm at elevation plus 6.0 feet mean low water, which then transitions to a 1 on 20 slope to zero mean low water, and then a 1 on 30 slope.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 178,800,000
Estimated Non-Federal Cost	\$ 119,800,000
Cash	\$ 119,473,000
Other	\$ 327,000
Total Estimated Cost	\$ 298,600,000
Allocation thru FY 2008	\$ 79,527,000
Allocation for FY 2009	\$ 6,699,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 10,657,000
Balance to Complete After FY 2010	\$ 81,917,000
Benefit to Cost Ratio @ 7% (Sand Key 9.8; Long Key 1.8; Treasure Island 7.6)	

FY 2010 ACTIVITIES: Award of the Long Key and Treasure Island segments of the project and completion of design and permitting activities for the Sand Key portion of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY10 for the Long Key and Treasure Island segments and early FY11 for the Sand Key segment.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Congressman Gus Bilirakis (FL9-R), Congressman C.W. "Bill" Young (FL10-R).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: West Onslow Beach, North Carolina.

AUTHORIZATION: Water Resources Development Act of 1992, Section 101.

LOCATION: The project is located in Pender County within the Town of Topsail Beach along the southern portion of Topsail Island in southeastern North Carolina.

DESCRIPTION: The authorized project provides for a dune at elevation 13 feet and a berm at elevation 9 feet for a distance of 9,500 feet and two transition sections at elevation 7 feet along the southern and northern ends for distances of 2,400 feet and 6,860 feet, respectively. Total project length is 19,000 feet. The recommended plan in the Chief's Report is the locally preferred plan for a dune at elevation 12 feet and a berm at elevation 7 feet for a distance of 23,200 feet with a southern transition of 1,000 feet with a berm only at elevation 7 feet and a northern transition of 2,000 feet with a berm only at elevation 7 feet.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	n
Estimated Federal Cost	\$ 144,000,000
Estimated Non-Federal Cost	\$ 133,000,000
Cash	\$ 131,519,000
Other	\$ 1,481,000
Total Estimated Cost	\$ 277,000,000
Allocation thru FY 2008	\$ 3,135,000
Allocation for FY 2009	\$ 100,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 378,000
Balance to Complete After FY 2010	\$ 140,387,000
Benefit to Cost Ratio @ 7%	3.2

FY 2010 ACTIVITIES: Initiate initial plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2063, including initial and periodic nourishment, subject to the availability of funds.

OTHER INFORMATION: The Chief's Report was signed on 28 September 2009. Since 1996, this community has experienced severe beach erosion, heavy property losses and damage to the primary dune system as a result of storm surges from several hurricanes. Topsail Beach remains highly vulnerable to damages from future storm events.

CONGRESSIONAL INTEREST: Senators Burr and Hagan, Rep. McIntyre (NC-07)

DISTRICT: Wilmington
Date: 01/02/2010

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
Construction
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Byrum Creek Flood Damage Reduction

AUTHORIZATION: Section 205, 1948 FCA (P.L. 80-858), as amended. This is a Continuing Authorities Program (CAP).

LOCATION: The project lies just outside the western limit of the City of Anderson, South Carolina. It encompasses a reach approximately 3,000 feet long between Bypass Route 28 and Route 24. This includes Booker Street on Byrum Creek (also referred to as Dye Creek).

DESCRIPTION: As requested by Anderson County, SC, this study will assess the feasibility of flood damage reduction alternatives along Byrum Creek near it's confluence with Whitner Creek. Recent flooding caused significant flooding to homes and businesses along 3000 feet of the channelized Byrum Creek. Excessive runoff exceeded the capacity of the concrete channel. Alternatives investigated will include detention ponds, channel enlargement and other non-structural measures.

FY	Feasibility	2010
<u>SUMMARIZED FINANCIAL DATA</u>		
Estimated Federal Cost	\$	307,000
Estimated Non-Federal Cost	\$	207,000
Cash	\$	207,000
Other	\$	0
Total Estimated Cost	\$	514,000
Allocation thru FY 2008	\$	90,000
Allocation for FY 2009	\$	0
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010	\$	68,000
Balance to Complete after FY 2010		\$ 149,000
Benefit to Cost Ratio @ 7%		TBD

FY 2010 ACTIVITIES: Negotiate a Feasibility Cost Sharing Agreement (FCSA) and begin hydrologic and hydraulic modeling.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility scheduled to complete 2013.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: DeMint (SC), Graham (SC) and Barrett (SC-02)

DISTRICT: Savannah

DATE: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Estate La Grange at St. Croix, USVI

AUTHORIZATION: Section 205, 1948 Flood Control Act, as Amended. This is a Continuing Authorities Program (CAP).

LOCATION: St. Croix, U.S. Virgin Islands

DESCRIPTION: The La Grange Gut Basin is located on the western part of the island of St. Croix, is 7.5 kilometers long, and covers an area of 13.5 square kilometers. Several small streams join La Grange Gut in the lower part of the basin. Flooding along La Grange Gut is a recurring problem. Every few years there is significant flooding in the area due to low pressure weather fronts, storms and hurricanes. The authorized project consists of channel improvements to the lower portion of La Grange Gut, a levee and interior drainage canal for the town of Frederiksted, St. Croix. The bridge at King Street (Highway 631) will be replaced. The bridge at Prince Street will be removed.

<u>SUMMARIZED FINANCIAL DATA</u>		Design	<u>FY 2010 and Implementation (DI)</u>
Estimated Federal Cost	\$		4,158,000
Estimated Non-Federal Cost	\$		1,040,000
Cash			\$ 1,040,000
Other			\$ 0
Total Estimated Cost	\$		5,198,000
Allocation thru 2008	\$		778,000
Allocation for FY 2009			\$ 0
Recovery Act Allocations to Date			\$ 0
Allocation for FY 2010			\$ 100,000
Balance to Complete after FY 2010			\$ 3,280,000
Benefit to Cost Ratio @ 7%			TBD

FY 2010 ACTIVITIES: Execute a FCSA in order to update the total project costs. Continue with design if feasible.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2012

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congresswoman Donna Christensen (USVI)

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood Risk Management

PROJECT/STUDY NAME: Rio Orocovis, PR

AUTHORIZATION: Section 205, 1948 FCA (P.L. 80-858), as amended. This is a Continuing Authorities Program (CAP).

LOCATION: Orocovis, Puerto Rico

DESCRIPTION: The Municipality of Orocovis is located at the center of the island of Puerto Rico, approximately 43 kilometers southwest of the city of San Juan. The town sits within a narrow valley within the floodplain of the river. The town has been flooded, extensively, 20 times during the last 19 years with damage totaling over \$43M according to information provided by the office of the mayor. The plan of improvements consists of 2.0 kilometers of channel improvement, 331 meters of gabion revetment, and demolition and removal of a low bridge, two small buildings, and two rock outcrops.

FY		2010
<u>SUMMARIZED FINANCIAL DATA</u>		
	Feasibility	
Estimated Federal Cost	\$	350,000
Estimated Non-Federal Cost	\$	125,000
Cash		\$ 125,000
Other		\$ 0
Total Estimated Cost	\$	475,000
Allocation thru 2008	\$	97,000
Allocation for FY 2009	\$	0
Recovery Act Allocations To Date	\$	0
Allocation for FY 2010	\$	103,000
Balance to Complete after FY 2010		\$ 150,000
Benefit to Cost Ratio @7%	TBD	

FY 2010 ACTIVITIES: Execute the Feasibility Cost Sharing Agreement (FCSA) and continue with feasibility.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2010

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Resident Commissioner Pedro Pierluisi (PR)

DISTRICT: Jacksonville

Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS PROGRAM: Flood Risk Management

PROJECT/STUDY NAME: Rocky Branch, SC

AUTHORIZATION: Section 14, P.L. 79-526. This is a Continuing Authorities Program (CAP).

LOCATION: Rocky Branch flows through central South Carolina into the Congaree River within the city of Columbia, SC.

DESCRIPTION: Rocky Branch which flows through the University of South Carolina property is causing erosion to several infrastructures. The erosion is endangering the structural foundation of several key facilities on the campus as well as bridge and railroad abutments on university property. The University has requested Corps assistance in protecting this public infrastructure.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u> Feasibility	
Estimated Federal Cost	\$150,000
Estimated Non-Federal Cost	\$50,000
Cash	\$0
Other	\$0
Total Estimated Cost	\$200,000
Allocation thru FY 2008	\$64,300
Allocation for FY 2009	\$0
Recovery Act Allocations to Date	\$0
Allocation for FY 2010	\$35,600
Balance to Complete After FY 2010	\$50,100
Benefit to Cost Ratio @ 7%	TBD

FY 2010 ACTIVITIES: FY2010 activities will include federal interest determination and continued work to complete the feasibility study. It is anticipated that the Feasibility Cost Share Agreement (FCSA) will be signed in the 3rd quarter of FY 2010 with the University of South Carolina as the sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Clyburn (SC-6)

DISTRICT: Charleston

DATE: 01/02/2010

NAVIGATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Miami Harbor, Florida

AUTHORIZATION: Water Resources Development Act of 2007, Public Law 110-114, Section 1001 (17)

LOCATION: Miami, Florida

DESCRIPTION: The Recommended Plan will allow existing and future container ships to safely and more efficiently transit through Miami Harbor by widening the entrance channel from 500 to 800 feet; deepening Cuts 1-2 from a project depth of 44 to 52 feet; adding a turn widener at the southern intersection of Cut-3 with the Lummus Island Cut (Fisherman's Channel) and deepening Cut-3 to 50 feet; increasing Fisher Island Turning Basing from 1200 to 1500 and truncating the northeast section of the turning basin to 50 feet; realign the western end of the main channel about 250 feet to the south over the existing project depth of 36 feet (no dredging required); widen the southern edge of the Lummus Island Cut about 100 feet, reduce the Lummus Island (Middle) Turning Basin to a 1500-foot diameter from the currently authorized 1600-foot diameter, and deepen from a project depth of 42 to 50 feet.

<u>FY</u>		<u>2010</u>
<u>SUMMARIZED FINANCIAL DATA</u>		<u>Study</u>
Estimated Federal Cost	\$	3,000,000
Estimated Non-Federal Cost	\$	1,000,000
Cash	\$	1,000,000
Other		\$ 0
Total Estimated Cost	\$	4,000,000
Allocation thru 2008	\$	0
Allocation for FY 2009	\$	549,000
Recovery Act Allocations To Date	\$	0
Allocation for FY 2010	\$	475,000
Balance to Complete after FY 2010		\$ 1,976,000
Benefit to Cost Ratio @7%	N/A	

FY 2010 ACTIVITIES: Continue collecting geotechnical information, initiate a turbidity and sedimentation study, initiate Environmental Impact Statement, initiate plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: Design Agreement signed in April 2009.

CONGRESSIONAL INTEREST: Ileana Ros-Lehtinen (R) FI-18 and Ron Klein (D) FI-22.

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Port Everglades, FL

AUTHORIZATION: Study Resolution of the House Committee on Transportation dated May 9, 1996. House Document 144, 93rd Congress, 1st Session.

LOCATION: Port Everglades, Florida

DESCRIPTION: The present scope investigates widening and deepening the major channels and basins within the port due to the expected use of larger and deeper draft vessels. The study also investigates expanding the Port into the Dania Cutoff Canal, to include a turning basin at the end of the Southport Channel.

FY		2010
<u>SUMMARIZED FINANCIAL DATA</u>		<u>Study</u>
Estimated Federal Cost	\$	4,085,000
Estimated Non-Federal Cost	\$	3,275,000
Cash	\$	3,275,000
Other		\$ 0
Total Estimated Cost	\$	7,360,000
Allocation thru 2008	\$	3,049,000
Allocation for FY 2009	\$	526,000
Recovery Act Allocations To Date	\$	135,000
Allocation for FY 2010	\$	341,000
Balance to Complete after FY 2010		\$ 34,000
Benefit to Cost Ratio @ 7%	N/A	

FY 2010 ACTIVITIES: Study efforts in FY 2010 include finalizing the mitigation plan and economic analysis, preparing the draft feasibility report, conducting independent technical and policy reviews, finalizing the Draft Feasibility Report, and initiating external peer review.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2013

OTHER INFORMATION: External Peer Review is a Federal cost estimated to be in excess of \$500,000.

CONGRESSIONAL INTEREST: Congresswoman Debbie Wasserman Schultz (FL20-D), Congressman Ron Klein (FL22-D).

DISTRICT: Jacksonville
Date: 01/02/2010

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Jacksonville Harbor, FL

AUTHORIZATION: WRDA 1999 and Public Law 109-103.

LOCATION: Jacksonville, FL, at the mouth of the St. Johns River in Duval County on the east coast of Florida.

DESCRIPTION: The authorized project provides a 38-foot depth in the West Blount Island Channel along Cuts F and G over the existing channel width of 300 feet from the main channel to the JEA/JPA petroleum terminal and a project depth of 40 feet in the main channel from the 40-foot contour in the Atlantic Ocean to river mile 14.7.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u> Constructio	<u>n</u>
Estimated Federal Cost	\$ 70,600,000
Estimated Non-Federal Cost	\$ 40,800,000
Cash	\$ 40,770,000
Other	\$ 30,000
Total Estimated Cost	\$ 111,400,000
Allocation thru FY 2008	\$ 28,643,000
Allocation for FY 2009	\$ 3,349,000
Recovery Act Allocations To Date	\$ 32,155,000
Allocation for FY 2010	\$ 1,922,000
Balance to Complete After FY 2010	\$ 4,531,000
Benefit to Cost Ratio @ 7%	1.7

FY 2010 ACTIVITIES: Complete construction of Contract 3, continue study efforts on the second General Reevaluation Report (GRR) to include engineering and environmental surveys, modeling and engineering analyses, economic analyses, and preparation of a draft report. Dredge Management Disposal Facility (DMDF) funds will be used to complete a contract on East Bartram Disposal Facility and conduct engineering investigations and initiate design effort on West Bartram Disposal Facility.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 for Contract 3 and East Bartram, 2012 for the second GRR, and 2011 for West Bartram pending funding.

(Continued)
FACT SHEET

OTHER INFORMATION: A General Reevaluation Report (GRR) to examine the 40-foot project depth from river mile 14.7 to 20.0 was completed in early FY03. A Chief's Report was issued on 22 July 2003 for the GRR and findings indicate substantial project modifications are justified based on increased project benefits (Contract 3). The GRR acted as a Post Authorization Change Report (PAC) and was authorized in FY06 Energy & Water Appropriations Report. A construction contract was awarded in June 2009. The FY04 Appropriations Act (Public Law 108-7) provided funding to initiate a second GRR to evaluate additional project features. Sponsor strongly supports completing Contract 3, continuing the second GRR, and completing West Bartram Disposal Facility contract.

CONGRESSIONAL INTEREST: Congresswoman Corinne Brown (FL3-D), Congressman Ander Crenshaw (FL4-R).

DISTRICT: Jacksonville
Date: 01/02/201

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: Manatee Harbor, FL

AUTHORIZATION: P.L.99-662, WRDA 1986, Sec. 202; PL 101-640, WRDA 1990, Manatee Harbor, Florida; PL 108-137, E&W, (section 157), Manatee Harbor, Florida

LOCATION: The project is located on the Gulf coast of Florida, just south of Tampa.

DESCRIPTION: The project provides for federal maintenance of an existing 40-foot deep by 400-foot wide entrance channel and basin. The entrance channel extends about 3 miles in length from the turning basin to its intersection with the Tampa Harbor Main Channel. Construction of Phase I, completed in December 1996, includes the restoration of the 40-foot depth entrance channel. Phase II, completed in December 2005, includes the construction of the new wideners at the entrance of the harbor and the turning basin enlargement. A General Reevaluation Report (GRR) is being finalized for Phase III, which address the proposed 1590-foot long by 400-foot wide channel extension to access additional berthing areas.

<u>SUMMARIZED FINANCIAL DATA:</u> Constructio	FY 2010
	<u>n</u>
Estimated Federal Cost	\$ 63,400,000
Estimated Non-Federal Cost	\$ 27,000,000
Cash	\$ 26,960,000
Other	\$ 40,000
Total Estimated Cost	\$ 90,400,000
Allocation thru FY 2008	\$ 38,199,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete After FY 2010	\$ 25,101,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Complete the GRR for Phase III

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: In March 2007, the Manatee County Port Authority (MCPA) requested that a new alternative dredge material disposal site at Piney Point be considered over the recommended NAD plan, which has delayed completion of the Phase III GRR pending further analysis.

CONGRESSIONAL INTEREST: Martinez (FL), Nelson (FL), Buchanan (FL-13)

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Ponce de Leon Inlet, FL

AUTHORIZATION: Public Law 106-53 (WRDA 1999), Section 101(b)(8).

LOCATION: Ponce de Leon Inlet is located in Volusia County on the eastern coast of Florida about 65 miles south of St. Augustine Harbor and 57 miles north of Canaveral Harbor, Florida

DESCRIPTION: The project provides for a 1000-foot south jetty extension toward the ocean and parallel to the north jetty, with scour apron.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u> Constructio	<u>n</u>
Estimated Federal Cost	\$ 5,100,000
Estimated Non-Federal Cost	\$ 4,200,000
Cash	\$ 4,180,000
Other	\$ 20,000
Total Estimated Cost	\$ 9,300,000
Allocation thru FY 2008	\$ 2,206,000
Allocation for FY 2009	\$ 1,148,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 969,000
Balance to Complete After FY 2010	\$ 777,000
Benefit to Cost Ratio @ 7%	1.3

FY 2010 ACTIVITIES: Execute Project Partnership Agreement, completion of plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Execution of the Project Partnership Agreement (PPA) remains pending until receipt of all necessary funds. The Section 902 limit was exceeded by a new construction cost estimate. A Value Engineering Study is currently being conducted to identify opportunities to reduce project costs while maintaining the integrity of the structure. Award of a construction contract is dependent upon execution of a PPA and receipt of additional funding and new project authorization.

CONGRESSIONAL INTEREST: Congresswoman Suzanne Kosmas (FL24-D).

DISTRICT: Jacksonville

Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Port Everglades Harbor, FL (CG) Reimbursement

AUTHORIZATION: Section 515 WRDA 2000, PL 106-541.

LOCATION: Port Everglades, Florida

DESCRIPTION: The authorized project includes provisions to reimburse the non-Federal interests the Federal share of costs incurred to construct the Southport Channel and Turning Notch located in the Port Everglades Harbor in the sum of \$15,003,000, as determined by the Secretary.

<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	FY 2010
	<u>n</u>
Estimated Federal Cost	\$ 15,003,000
Estimated Non-Federal Cost	\$ 7,888,000
Cash	\$ 7,888,000
Other	\$ 0
Total Estimated Cost	\$ 22,891,000
Allocation thru FY 2008	\$ 3,305,000
Allocation for FY 2009	\$ 1,435,000
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010	\$ 727,000
Balance to Complete After FY 2010	\$ 9,536,000
Benefit to Cost Ratio @ 7%	1.4

FY 2010 ACTIVITIES: Provide reimbursement of \$727,000.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011.

OTHER INFORMATION: There is an established limit of \$10,000,000 per fiscal year for reimbursement.

CONGRESSIONAL INTEREST: Congresswoman Debbie Wasserman Schultz (FL20-D), Congressman Ron Klein (FL22-D).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Tuscaloosa Area Office, AL

AUTHORIZATION: Public Law 108-447, Sec. 111 and Public Law 110-114 Sec. 3001

LOCATION: Tuscaloosa, AL

DESCRIPTION: This project provides for relocation of the Corps of Engineers maintenance compound at a new site and construction of a new administration building on the current site.

<u>SUMMARIZED FINANCIAL DATA</u> : Constructio	FY 2010	
		n
Estimated Federal Cost	\$	32,000,000
Estimated Non-Federal Cost	\$	0
Cash	\$	0
Other	\$	0
Total Estimated Cost	\$	32,000,000
Allocation thru FY 2008	\$	8,757,000
Allocation for FY 2009	\$	7,500,000
Recovery Act Allocations To Date	\$	0
Allocation for FY 2010	\$	7,500,000
Balance to Complete After FY 2010	\$	8,243,000
Benefit to Cost Ratio @ 7%		NA

FY 2010 ACTIVITIES: Available funds (FY10 carry-in and FY10 allocation) will be used to complete plans and specs and award a construction contract for Phase II work. Phase II work includes all remaining buildings, including paint, welding, carpenter, mechanical, and machine shops. Funds will also be used to continue design for the Corps of Engineers administration building.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2011 subject to availability of funds.

OTHER INFORMATION: Relocating will provide the opportunity to consolidate offices, improve security and separate government-owned, contractor-operated, facilities from the government offices. The site will meet current and future needs for the office, warehouse and shop facilities.

CONGRESSIONAL INTEREST: Senator Richard Shelby (AL), Senator Jeff Sessions (AL) and Congressman Davis (AL-07).

DISTRICT: Mobile.
Date: 01/02/2010

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: SC Coast Regional Sediment Management, SC

AUTHORIZATION: Section 2037, P.L. 110-114 as amended Section 204, P.L. 102-980.
This is a Continuing Authorities Program (CAP).

LOCATION: Coastal South Carolina

DESCRIPTION: This study will allow collaboration and coordination with South Carolina state officials in a capacity that will lead to a state led understanding of the coastal sediment resources available and to improve state and local planning with respect to beach renourishment projects.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u> Feasibility	
Estimated Federal Cost	\$ 320,400
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 320,400
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 170,400
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 40,000
Balance to Complete After FY 2010	\$ 110,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: FY2010 activities include the attendance in several meetings, forums and conferences with state and local agencies/officials regarding South Carolina Regional Sediment Management as well as transference of information between all agencies that could assist the state in their understanding of the sediment that is studied.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Brown (SC-1)

DISTRICT: Charleston

DATE: 01/02/2010

AQUATIC ECOSYSTEM RESTORATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: C&SF: Indian River Lagoon North, FL

AUTHORIZATION: Section 309 (l) WRDA 1992 (Public Law 102-580) and Section 528 of WRDA 1996 (Public Law 104-303)

LOCATION: Brevard, Indian River and Volusia counties, FL

DESCRIPTION: The Indian River North is located along 128 miles of the east/central coast of Florida from Ponce De Leon Inlet to Fort Pierce Inlet (within Volusia, Brevard and Indian River Counties). The feasibility study is comprehensively examining priority areas of the Lagoon estuarine environments to determine the necessary restoration modifications to successfully restore healthy ecological conditions to the Lagoon.

FY	2010
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Study</u>
Estimated Federal Cost \$	2,292,000
Estimated Non-Federal Cost \$	2,292,000
Cash \$	2,292,000
Other \$	0
Total Estimated Cost \$	4,584,000
Allocation thru 2008 \$	1,592,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations To Date	\$ 0
Allocation for FY 2010 \$	126,000
Balance to Complete after FY 2010	\$ 574,000
Benefit to Cost Ratio @7%	NA

FY 2010 ACTIVITIES: Continuation of the feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2012

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Bill Posey (R) FL-15, Tom Rooney (R) FL-16, Suzann e Kosmas (D) FL-24.

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS PROGRAM: Environment

PROJECT/STUDY NAME: Reedy River, SC

AUTHORIZATION: Resolution adopted 24 Jul 02 by the House T&I Committee and Section 454, P.L. 106-541 (WRDA 2000)

LOCATION: The Reedy River Watershed is located in the northwest portion of South Carolina, entirely within Greenville and Laurens Counties. The Reedy River Watershed is approximately 61 miles long and 14 miles wide at its widest point and comprises a total drainage area of 352 square miles and 325 miles of stream channel.

DESCRIPTION: This study will determine the feasibility of carrying out a project for habitat restoration, water quality, flooding/floodplain delineation, and other related purposes on the Reedy River. The City of Greenville, SC is interested in initiating and completing a feasibility study focusing on the construction of environmental restoration projects and investigating opportunities for flood damage reduction features in the vicinity of Greenville, SC. A 905(b) report was approved in December 2003; however, the study was terminated in FY 2005 due to lack of sponsor. In November 2008, we were contacted by the City of Greenville, SC stating they wanted to restart the study with them as local sponsor.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u> Study	
Estimated Federal Cost	\$ 783,000
,Estimated Non-Federal Cost	\$ 600,000
Cash	\$ 600,000
Other	\$ 0
Total Estimated Cost	\$ 1,383,000
Allocation thru FY 2008	\$ 183,000
Allocation for FY 2009	\$ 0
Recovery Act Allocations thru 31 Dec 09	\$ 0
Allocation for FY 2010	\$ 90,000
Balance to Complete After FY 2010	\$ 510,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Initiate a feasibility study. The first order of work will be to prepare a Peer Review Plan and execute the Feasibility Cost Sharing Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Graham (SC), DeMint (SC), Inglis (SC-4)

DISTRICT: Charleston

DATE: 01/02/2010

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Belhaven Harbor Environmental Improvements, Belhaven, North Carolina

AUTHORIZATION: Section 1135, WRDA1986, as amended. This is a Continuing Authorities Program (CAP).

LOCATION: Belhaven Harbor is located on Pantego Creek, a tributary of the Pungo River in Beaufort County, North Carolina, about 140 miles east of Raleigh.

DESCRIPTION: The original project was specifically authorized on June 20, 1938 (HD 693/75/3) and consists of timber breakwaters at the mouth of Pantego Creek and a channel 12 feet deep, 100 feet wide, from Pungo River to a point about 800 feet east of the highway bridge, with a basin, 300 feet wide, 800 feet long, at the upper end. The proposed modification would consist of a submerged reef in the lee (harbor side) of each breakwater and additional marsh at the landside ends of each breakwater.

	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 255,000
Estimated Non-Federal Cost	\$ 155,000
Cash	\$ 155,000
Other	\$ 0
Total Estimated Cost	\$ 410,000
Allocation Thru FY 2008	\$ 230,000
Allocation For FY 2009	0
Recovery Act Allocations to Date	0
Allocation For FY 2010	\$ 25,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio at 7%	NA

FY 2010 ACTIVITIES: Continue the feasibility study, hold alternative formulation briefing and complete the draft report and environmental assessment for public view.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011.

OTHER INFORMATION. The existing breakwaters provide fish attraction but no significant fish habitat or food production, and only moderate wave attenuation.

CONGRESSIONAL INTEREST: Senator Burr, Senator Hagan, and Representative Jones (NC-03).

DISTRICT: Wilmington
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Big Fishweir Creek, FL

AUTHORIZATION: Section 206 of the Water Resources Development Act (WRDA) of 1996 (P.L. 104-303), as amended by Section 1006(a)(1) of WRDA 2007 (P.L. 110-114). This is a Continuing Authorities Program (CAP).

LOCATION: Jacksonville, Florida

DESCRIPTION: Big Fishweir Creek is an urban tributary of the St. Johns River (An American Heritage River). This tributary is tidally influenced. The contributing sub-basin to Big Fishweir Creek has been urbanized predominantly with residential land use. Limited storm water management has been implemented in the sub-basin, resulting in sediment deposition in the creek. Urbanization included encroachment along the banks of the creek. Over time, contaminated sediment from untreated storm water has been deposited in the creek, which supports low quality habitat. The purpose of this project is to reestablish healthy aquatic habitat in Big Fishweir Creek. The reestablishment of healthy aquatic habitat can provide nursery areas, a source of food and shelter, and improved water quality in the creek.

FY	Feasibility	2010
<u>SUMMARIZED FINANCIAL DATA</u>		
Estimated Federal Cost	\$	723,000
Estimated Non-Federal Cost	\$	0
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	723,000
Allocation thru 2008	\$	423,000
Allocation for FY 2009	\$	0
Recovery Act Allocations To Date	\$	0
Allocation for FY 2010	\$	300,000
Balance to Complete after FY 2010		\$ 0
Benefit to Cost Ratio @ 7%	NA	

FY 2010 ACTIVITIES: Complete feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: Feasibility is currently 100% federally funded yet the total feasibility phase costs will be included in the PPA for cost sharing during DI phase.

CONGRESSIONAL INTEREST: Congresswoman Corrine Brown (FL3-D).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Caloosahatchee Oxbows Restoration, FL

AUTHORIZATION: Section 1135, of the 1986 Water Resources Development Act. This is a Continuing Authorities Program (CAP).

LOCATION: Lee County, Florida

DESCRIPTION: The Caloosahatchee River lies in south and southwestern Florida, in Lee, Hendry, and Glades Counties. It flows from Lake Okeechobee in central south Florida in a westerly direction to the Gulf of Mexico at Ft. Myers in Lee County. The restoration of the degraded oxbows is important for the well-being of the natural resources of the region and the economy of local communities. The Caloosahatchee oxbows support the only remaining natural riverine habitat in the altered river system. As such these areas provide important habitat for the critical ecosystem functions of feeding, nesting, refuge and nursery areas for aquatic dependent species, some of which are State and Federally listed species. These areas serve as the critical link in the life cycle of many organisms from macroinvertebrate communities that form the base of the food chain to fish, birds, reptiles, and mammals.

<u>SUMMARIZED FINANCIAL DATA</u>		Feasibility	FY 2010
Estimated Federal Cost	\$		324,000
Estimated Non-Federal Cost			\$ 0
Cash			\$ 0
Other			\$ 0
Total Estimated Cost	\$		324,000
Allocation thru 2008	\$		24,000
Allocation for FY 2009			\$ 20,000
Recovery Act Allocations To Date	\$		0
Allocation for FY 2010			\$ 140,000
Balance to Complete after FY 2010		\$	140,000
Benefit to Cost Ratio Applicable @ 7%			NA

FY 2010 ACTIVITIES: Continue work in the feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: Feasibility is currently 100% federally funded yet the total phase cost will be included in the PPA for cost sharing during DI phase.

CONGRESSIONAL INTEREST: Congressman Connie Mack IV (FL14-R).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Chattahoochee River Dam Removal, AL & GA

AUTHORIZATION: Section 206 of the Water Resources Development Act (WRDA) of 1996 (P.L. 104-303), as amended by Section 1006(a)(1) of WRDA 2007 (P.L. 110-114). This is a Continuing Authorities Program (CAP).

LOCATION: Columbus, GA and Phenix City, AL.

DESCRIPTION: The proposed aquatic ecosystem restoration project consists of the removal of the Eagle and Phenix Dam and the City Mills Dam to restore approximately 2.3 miles of the Chattahoochee River to a free flowing condition. Also included in the project are ancillary recreational features that would be compatible with the primary aquatic habitat restoration goals. This project is considered the Locally Preferred Plan. A number of important species will benefit from the restoration effort.

<u>SUMMARIZED FINANCIAL DATA</u>	Design	<u>FY 2010 and Implementation (DI)</u>
Estimated Federal Cost	\$	4,485,000
Estimated Non-Federal Cost	\$	19,000,000
Cash	\$	19,000,000
Other	\$	0
Total Estimated Cost	\$	23,485,000
Allocation thru FY 2008	\$1,102,000	
Allocation for FY 2009		\$ 800,000
Recovery Act Allocations To Date		\$ 0
Allocation for FY 2010	\$	561,000
Balance to Complete after FY 2010		\$ 2,022,000
Benefit to Cost Ratio	N/A	

FY 2010 ACTIVITIES: Currently preparing Interim 50% Design Phase for plans and specifications. Contract will be awarded to complete Final Design Phase in third quarter FY2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: DI completion date is 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Chambliss (GA), Senator Isakson (GA), Senator Shelby (AL), Senator Sessions (AL), Congressman Bishop (GA-02), Congressman Westmoreland (GA-03) and Congressman Rogers (AL-03).

DISTRICT: Mobile
DATE: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Concord Streambank Restoration, NC

AUTHORIZATION: Section 206 of the Water Resources Development Act (WRDA) of 1996 (P.L. 104-303), as amended by Section 1006(a)(1) of WRDA 2007 (P.L. 110-114). This is a Continuing Authorities Program (CAP).

LOCATION: The proposed project streams are located in the city of Concord, North Carolina, in Cabarrus County, approximately 20 miles northeast of Charlotte, NC.

DESCRIPTION: The study area is experiencing rapid residential and commercial development, resulting from urban sprawl generated by the nearby booming economy of Charlotte. The streams originally considered for study are Three Mile Branch, Afton Run, Stricker Branch, and Academy Center Branch. Improvements for Stricker Branch and Academy Center Branch are being implemented under CAP 206. Afton Run was removed from further consideration due to restoration work being conducted by the NC Ecosystem Enhancement Program. Further studies on Three Mile Branch are now proposed as a specifically authorized project due to scope and cost of study.

	FY 2010 <u>Design and Implementation (DI)</u>
Estimated Federal Cost	\$ 3,523,000
Estimated Non-Federal Cost	\$ 2,194,000
Cash	\$ 418,000
Other	\$ 1,776,000
Total Estimated Cost	\$ 5,717,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 42,000
Recovery Act Allocation to Date	\$ 0
Allocations thru FY 2010	\$ 500,000
Balance to Complete after FY 2010	\$ 2,981,000
Benefit to Cost Ratio at 7%	N/A

FY 2010 ACTIVITIES: Negotiate and execute the PPA; initiate design contract for restoration measures at Stricker Branch and Academy Center Branch.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2014

OTHER INFORMATION: The city of Concord's dedication to pursue the stream restoration initiatives is evident in the very proactive approach it has already taken to prepare the city's first land use plan.

CONGRESSIONAL INTEREST: Burr (NC), Hagan (NC), Kissell (NC-08)

DISTRICT: Wilmington
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Cypress Creek Restoration Project, AL

AUTHORIZATION: Section 206 of the Water Resources Development Act (WRDA) of 1996 (P.L. 104-303), as amended by Section 1006(a)(1) of WRDA 2007 (P.L. 110-114). This is a Continuing Authorities Program (CAP).

LOCATION: Cypress Pond, in Montgomery, AL, is bounded by Communications Parkway and Fourney Street near the City of Montgomery's Communications Facility. Cypress Creek is connected to Cypress Pond and traverses southeast along Prince Street and Railroad Street draining into Cypress Inlet. Cypress Inlet is located in Downtown Montgomery near the Riverwalk Amphitheater and the Riverwalk Baseball Stadium on Water St.

DESCRIPTION: The Cypress Creek study will investigate aquatic ecosystem restoration and protection which will improve the quality of the environment.

<u>SUMMARIZED FINANCIAL DATA</u>	FY Feasibility	2010
Estimated Federal Cost	\$	300,000
Estimated Non-Federal Cost	\$	200,000
Cash	\$	200,000
Other		\$ 0
Total Estimated Cost	\$	500,000
Allocation thru FY 2008		\$ 0
Allocation for FY 2009		\$ 0
Recovery Act Allocations To Date		\$ 0
Allocation for FY 2010	\$	100,000
Balance to Complete after FY 2010		\$ 200,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Begin feasibility phase, determine federal interest and execute a Feasibility Cost Sharing Agreement (FCSA).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility phase in FY 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman Bright (AL-02)

DISTRICT: Mobile

DATE: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Hogans Creek Restoration, FL

AUTHORIZATION: Section 206 of the Water Resources Development Act (WRDA) of 1996 (P.L. 104-303), as amended by Section 1006(a)(1) of WRDA 2007 (P.L. 110-114). This is a Continuing Authorities Program (CAP).

LOCATION: Jacksonville, Florida

DESCRIPTION: Hogans Creek is an urban, tidally influenced tributary in the vibrant downtown Jacksonville neighborhood of Springfield. It contains 36 hydrologic units and 1 channel reach. It drains 3.1 square miles, is 1.7 miles long and has 11 major roadway crossings. The tributary is considered Essential Fish Habitat, and discharges into the St. Johns River (a designated American Heritage River). The project will improve the natural flow of the creek and create wetland areas in the creek's basin. This restoration project will restore fish and wildlife habitat, and improve water quality by creating a greenway along the creek's corridor. An increase in aquatic vegetation is expected, which would produce a food source and habitat for fish and wildlife within the Hogans Creek ecosystem.

FY	Feasibility	2010
<u>SUMMARIZED FINANCIAL DATA (\$000)</u>		
Estimated Federal Cost	\$	750,000
Estimated Non-Federal Cost	\$	0
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	750,000
Allocation thru 2008	\$	450,000
Allocation for FY 2009	\$	50,000
Recovery Act Allocations To Date		\$ 0
Allocation for FY 2010	\$	250,000
Balance to Complete after FY 2010		\$ 0
Benefit to Cost Ratio @ 7%		NA

FY 2010 ACTIVITIES: Complete feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2010

OTHER INFORMATION: Currently, the feasibility phase is 100% federally funded yet the total feasibility cost will be included in the total project cost when the PPA is executed for cost sharing.

CONGRESSIONAL INTEREST: Congresswoman Corrine Brown (FL3-D).

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Lake Jessup, FL

AUTHORIZATION: Section 1135, 1986 Water Resources Development Act, as Amended. This is a Continuing Authorities Program (CAP).

LOCATION: Seminole County, Florida

DESCRIPTION: Lake Jessup is a large 16,000-acre, shallow lake that lies near the center of Seminole County, east of Winter Springs and south of Sanford. The Lake was historically connected to the St. Johns River by a natural oxbow channel. Scientists believe that the excavation of the Federal channel has decreased the lake and rivers oscillating flow and circulation pattern, constraining the lakes ability to cleanse itself of nutrients. The project will study and address ecosystem restoration modification to "Government Cut" and other restoration measures to restore circulation and flow.

<u>FY</u>		<u>2010</u>	
<u>SUMMARIZED FINANCIAL DATA</u>		<u>Design</u>	<u>and Implementation (DI)</u>
Estimated Federal Cost	\$		4,054,000
Estimated Non-Federal Cost	\$		1,352,000
Cash			\$ 1,352,000
Other			\$ 0
Total Estimated Cost	\$		5,406,000
Allocation thru 2008	\$		622,000
Allocation for FY 2009	\$		0
Recovery Act Allocations To Date			\$ 0
Allocation for FY 2010	\$		0
Balance to Complete after FY 2010			\$ 3,432,000
Benefit to Cost Ratio @ 7%			NA

FY 2010 ACTIVITIES: Execute the Project Partnership Agreement (PPA).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: Feasibility phase was 100% federally financed at \$677,000. This cost will be included in the PPA for cost sharing during DI phase.

CONGRESSIONAL INTEREST: Congressman Suzanne Kosmas (FL24-D)

DISTRICT: Jacksonville
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Little River Watershed, GA

AUTHORIZATION: Section 206 of the Water Resources Development Act (WRDA) of 1996 (P.L. 104-303), as amended by Section 1006(a)(1) of WRDA 2007 (P.L. 110-114). This is a Continuing Authorities Program (CAP).

LOCATION: Hall County, GA

DESCRIPTION: The aquatic ecosystem in the West Fork Little River watershed has been significantly impaired by historic agricultural practices, and urbanization of Hall County, Georgia. The comprehensive watershed restoration includes construction of a peak flow reduction features and riparian corridor restoration features. Conservation easements and/or fee ownership by Hall County shall aid in providing sustainable long-term solutions to restore the health of this important aquatic ecosystem.

<u>SUMMARIZED FINANCIAL DATA</u>		Feasibility	FY 2010	
			DI	
Estimated Federal Cost	\$		650,000	\$ 1,267,500
Estimated Non-Federal Cost	\$		0	\$ 1,032,500*
Cash	\$		0	\$ 1,032,500
Other	\$		0	0
Total Estimated Cost	\$		650,000	\$ 2,300,000
Allocation thru FY 2008			\$ 414,000	\$ 0
Allocation for FY 2009			\$ 86,000	\$ 0
Recovery Act Allocations To Date			\$ 0	\$ 0
Allocation for FY 2010			\$ 75,000	\$ 0
Balance to Complete after FY 2010			\$ 75,000	\$ 1,267,500
Benefit to Cost Ratio @ 7%				N/A

* Feasibility phase is 100% federally funded. The total Feasibility cost will be included in the PPA for 65-35% cost sharing during DI.

FY 2010 ACTIVITIES: Complete feasibility study, negotiate/execute PPA and begin detailed project design for construction plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase is scheduled for completion May 2010. Scheduled DI completion April 2011.

OTHER INFORMATION: Feasibility review requirements external to South Atlantic Division adds potential need for additional funding for Agency Technical Review (\$75K).

CONGRESSIONAL INTEREST: Congressman Nathan Deal (GA-09)

DISTRICT: Mobile

DATE: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Sarasota Bay Restoration, FL

AUTHORIZATION: Section 1135, of the 1990 Water Resources Development Act. This is a Continuing Authorities Program (CAP).

LOCATION: Sarasota, Florida

DESCRIPTION: Sarasota Bay is a classic coastal lagoon system located on the central coast of Florida between Tampa Bay and Venice, Florida. The coastal wetlands and sea grass meadows in the Sarasota Bay region have been significantly impacted from past dredge and fill activities including construction of the Intracoastal Waterway (ICW). Dredge material was frequently placed on mangroves and shallow water bay bottoms creating upland areas, which were invaded by exotic plants. Sarasota Bay is designated a Class II-Outstanding Florida Water (OFW) except for the area directly east of the ICW in Sarasota County, which is designated a Class III-OFW. Sarasota Bay was also designated a priority water body by the U.S. Environmental Protection Agency in Section 320 of the Clean Water Act, as amended in 1987. This study is authorized by Section 1135, of the 1990 Water Resources Development Act.

<u>SUMMARIZED FINANCIAL DATA</u>	Design	<u>FY 2010 and Implementation (DI)</u>
Estimated Federal Cost	\$	4,688,000
Estimated Non-Federal Cost	\$	1,562,000
Cash		\$ 1,562,000
Other		\$ 0
Total Estimated Cost	\$	6,250,000
Allocation thru 2008	\$	649,000
Allocation for FY 2009	\$	0
Recovery Act Allocations To Date	\$	0
Allocation for FY 2010		\$ 140,000
Balance to Complete after FY 2010		\$ 3,899,000
Benefit to Cost Ratio @7%	N/A	

FY 2010 ACTIVITIES: Execute the Project Partnership Agreement (PPA) and begin design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2014

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Congressman Vern Buchanan (FL13-R).

DISTRICT: Jacksonville

Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Western Cary Streams Restoration, NC

AUTHORIZATION: Section 206 of the Water Resources Development Act (WRDA) of 1996 (P.L. 104-303), as amended by Section 1006(a)(1) of WRDA 2007 (P.L. 110-114). This is a Continuing Authorities Program (CAP).

LOCATION: The proposed project streams are located in the city of Cary in Wake County in central North Carolina.

DESCRIPTION: Areas of White Oak Creek, west of downtown Cary, Wake County, North Carolina are developing rapidly and are in danger of significant deterioration of the water resources and aquatic habitat as urban pressures grow. The current project will restore and protect the hydrologic regime, repair existing stream damage, and improve aquatic and riparian habitat along only the upper part of White Oak Creek.

	FY 2010 <u>Design and Implementation (DI)</u>
Estimated Federal Cost	\$ 700,000
Estimated Non-Federal Cost	\$ 630,000
Cash	\$ 0
Other	\$ 630,000
Total Estimated Cost	\$ 1,330,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 50,000
Recovery Act Allocation to Date	\$ 0
Allocations thru FY 2010	\$ 150,000
Balance to Complete after FY 2010	\$ 500,000
Benefit to Cost Ratio at 7%	NA

FY 2010 ACTIVITIES: The Project Partnership Agreement (PPA) was executed in December 2010. Initiate project design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013

OTHER INFORMATION: The project partnership agreement was executed in December 2009.

CONGRESSIONAL INTEREST: Burr (NC), Hagan (NC), Price (NC-04)

DISTRICT: Wilmington
Date: 01/02/2010

ENVIRONMENTAL INFRASTRUCTURE

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Atlanta Environmental Infrastructure, GA

AUTHORIZATION: Water Resources Development Act of 1992, Section 219, as amended

LOCATION: Metro-Atlanta, Georgia

DESCRIPTION: The Atlanta wastewater collection and treatment system consists of over 2,000 miles of sewers and 7 treatment plants, much of which was built in the 19th century. Excessive storm water and wastewater overflows and leaks from the aging system are seriously impacting the metropolitan Atlanta regional water quality. Aging environmental infrastructure, including water distribution and wastewater systems, and degraded surface streams continue to be problematic in this region. Projects currently prioritized are related to combined sewer capacity relief, storm water, separated sewer, and drinking water supply infrastructure.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 25,000,000
Estimated Non-Federal Cost	\$ 8,300,000
Cash	\$ 8,300,000
Other	\$ 0
Total Estimated Cost	\$ 33,300,000
Allocation thru FY 2008	\$ 2,397,000
Allocation for FY 2009	\$ 1,818,000
Recovery Act Allocations To Date	\$ 5,682,000
Allocation for FY 2010	\$ 1,429,000
Balance to Complete After FY 2010	\$ 13,674,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Complete design and construct storm water, drinking supply, or wastewater infrastructure projects in the Atlanta regional watershed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: Non-Federal project sponsors are beginning to work together as a region to set priorities and recommend projects for design and construction under this authority.

CONGRESSIONAL INTEREST: Senator Saxby Chambliss (GA), Senator Johnny Isakson (GA), Congressman Hank Johnson (GA-04), Congressman John Lewis (GA-05), Congressman Phil Gingrey (GA-11) and Congressman Tom Price (GA-06).

DISTRICT: Mobile
Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Florida Keys Water Quality Improvements Program

AUTHORIZATION: Consolidated Appropriations Act, 2001 (Public Law 106-554, Section 109) and section 5062 of WRDA 2007, PL 110-114

LOCATION: Florida Keys National Marine Sanctuary, FL.

DESCRIPTION: The authorized program provides for the planning, design and construction of treatment works projects to improve water quality within the Florida Keys National Marine Sanctuary, the nation's largest marine protected area.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 100,000,000
Estimated Non-Federal Cost	\$ 53,800,000
Cash	\$
Other	\$
Total Estimated Cost	\$ 153,800,000
Allocation thru FY 2008	\$ 8,857,000
Allocation for FY 2009	\$ 11,249,000
Recovery Act Allocations To Date	\$ 7,000,000
Allocation for FY 2010	\$ 242,000
Balance to Complete After FY 2010	\$ 72,652,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue the reimbursement to municipalities for construction of wastewater and stormwater treatment facilities within the Florida Keys.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A (Ongoing program)

OTHER INFORMATION: Federal funding for this program has been added annually to the budget by Congress. Although the Corps is only authorized to expend up to \$100M, the total program need is in excess of \$600M.

CONGRESSIONAL INTEREST: Congresswoman Ileana Ros-Lehtinen (FL18-R), Congresswoman Debbie Wasserman-Schultz (FL20-D).

DISTRICT: Jacksonville

Date: 01/02/2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT/STUDY NAME: Lakes Marion and Moultrie, SC

AUTHORIZATION: Sec 219, P.L. 102-580 and Sec 502(f)(25), P.L. 106-53 as amended by Sec 108(c)(4)P.L. 106-554 and further amended by Sec 126, P.L. 108-137 and further amended by Sec 5128, P.L. 110-114

LOCATION: Central South Carolina

DESCRIPTION: Using Lake Marion as a source, the system will provide potable water to satisfy the immediate and future water supply and sewer needs for a large portion of five counties and six municipalities located in central South Carolina. The project includes construction of an 8 MGD (million gallon per day) water treatment plant, installation of approximately 62 miles of water transmission lines, and installation of a sewer component. The Project Cooperation Agreement was executed on 4 June 2004. The water treatment plant was completed in May 2008. With the completion of the Ellore Phase approximately 18.4 miles of water transmission lines will be completed of the required 62 total miles.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 120,000,000
Estimated Non-Federal Cost	\$ 40,000,000
Cash	\$ 35,000,000
Other	\$ 5,000,000
Total Estimated Cost	\$ 160,000,000
Allocation thru FY 2008	\$ 31,930,000
Allocation for FY 2009	\$ 10,000,000
Recovery Act Allocations To Date	\$ 9,800,000
Allocation for FY 2010	\$ 4,170,000
Balance to Complete After FY 2010	\$ 64,100,000
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: Construction of the Holly Hill Phase water transmission line is underway using ARRA funds. The construction contract for the Ellore Phase water transmission line is scheduled for award in January 2010 using both ARRA funds and regular appropriated funds. The construction contract for the Matthews Industrial Park water tower is scheduled for award in May 2010. An amendment to the letter report and Project Cooperation Agreement (PCA) is currently underway to add Goodby's Creek regional wastewater treatment facility to the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: Current authorization limit is \$60M; an increase will be required to complete the project. This project has been a Congressional add to the budget every year since FY 2001.

CONGRESSIONAL INTEREST: Graham (SC), DeMint (SC), Clyburn (SC-6)

DISTRICT: Charleston
Date: 01/02/2010

OPERATION AND MAINTENANCE

Key to Abbreviations:

N = Navigation

FRM = Flood Risk Management

Rec = Recreation

Hydro = Hydropower

ES = Environmental Stewardship

WS = Water Supply

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT NAME: Beaufort Harbor, NC

AUTHORIZATION: Section 107, River and Harbor Act of 1960, as amended

LOCATION: The project is located in Carteret County just inside of Beaufort Inlet, adjacent to Morehead City Harbor, NC.

DESCRIPTION: The authorized project provides for a system of navigation channels from Beaufort Inlet to various docks and basins along the coastline at Beaufort, NC, including a channel 15 feet deep at mean low water and 100 feet wide in Bulkhead and Gallants Channels, except for a depth of 12 feet in the upper 5,000 feet of Gallants Channel; a harbor of refuge in Town Creek 12 feet deep, 400 feet wide, and 900 feet long connected to Gallants Channel by a channel 12 feet deep, 150 feet wide, and 1,400 feet long; a basin 12 feet deep, 600 feet wide in front of the town of Beaufort except for a channel 15 feet deep, 100 feet wide through the basin; a stone bulkhead from Town Marsh across Bird Shoal to the west end of Carrot Island; a channel 14 feet deep, 70 feet wide, and 1,900 feet long from Bulkhead Channel to a turning basin 14 feet deep, 150 feet wide, and 300 feet long near the upper end of Morgan Creek; and a channel in Taylors Creek 15 feet deep, 100 feet wide, extending about 2.6 miles easterly from about opposite Marsh Street in Beaufort to Lennoxville Point at North River except for an 800-foot-long section at the east end, which is 12 feet deep. Total length of channels is 7.3 miles. Average tidal range is 2.5 feet at Beaufort and 3.5 feet at the inlet.

<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	FY 2010
Allocation for FY 2008	\$0
Allocation for FY 2009	\$0
Allocation for FY 2010	\$238,000
Recovery Act Allocation to Date	\$0

FY 2010 ACTIVITIES: Perform two cycles of maintenance dredging within the entrance channel of the Beaufort Harbor project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: The current users of the project include the U.S. Coast Guard vessels, U.S. Marine Corps vessel traffic, commercial fishing fleet (approximately 30 vessels), and recreational vessels.

CONGRESSIONAL INTEREST: Senators Burr (NC-R) and Hagan (NC-D), Representative Jones (NC-03)

DISTRICT: Wilmington

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT NAME: Bogue Inlet and Connecting Channel, NC

AUTHORIZATION: Section 107, River and Harbor Act of 1960, as amended

LOCATION: The project is located along the Carteret and Onslow County line on the east coast of North Carolina.

DESCRIPTION: The authorized project provides for an 8-foot deep by 150-foot wide entrance channel from the deep water in the Atlantic Ocean through the Bogue Inlet gorge with a connecting channel 6-foot deep by 90-foot wide from the inlet gorge to the intersection of the Atlantic Intracoastal Waterway.

FY	2010 (\$000)
<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	
Allocation for FY 2008	\$812,000
Allocation for FY 2009	\$184,000
Allocation for FY 2010	\$461,000
Recovery Act Allocations to Date	\$0

FY 2010 ACTIVITIES: Perform periodic maintenance dredging within the entrance channel and associated project connecting channel.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: The current users of the project include the U.S. Coast Guard vessels, U.S. Marine Corps vessel traffic, commercial fishing fleet (approximately 30 vessels), and recreational vessels. The U.S. Coast Guard utilizes this project to access the U.S. Coast Guard Station, Emerald Isle, for search and rescue and homeland security missions.

CONGRESSIONAL INTEREST: Senators Burr (NC-R) and Hagan (NC-D), Representative Jones (NC-03)

DISTRICT: Wilmington

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT NAME: Carolina Beach Inlet, NC

AUTHORIZATION: Section 107, River and Harbor Act of 1960, as amended

LOCATION: Carolina Beach Inlet is located in New Hanover County just north of the Town of Carolina Beach, NC.

DESCRIPTION: The authorized project provides for a channel 8 feet deep by 150 feet wide, extending from deep water in the Atlantic Ocean through the Carolina Beach Inlet to the Atlantic Intracoastal Waterway (AIWW).

<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	FY 2010
Allocation for FY 2008	\$1,060,000
Allocation for FY 2009	\$276,000
Allocation for FY 2010	\$232,000
Recovery Act Allocation to Date	\$0

FY 2010 ACTIVITIES: Perform one maintenance dredging cycle within the inlet entrance channel.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: The project supports a significant local commercial fishing industry, recreational sports fishing vessels, and recreational boating vessels. Southeastern North Carolina's economy is dependent on the unimpeded access to the ocean. If access to the open ocean through Carolina Beach Inlet becomes impassable, the next closest access point is at the Masonboro Inlet, approximately 9 miles to the northeast or through the Cape Fear River, approximately 25 miles to the south. Alternate access to the ocean from this location requires travelling the AIWW.

CONGRESSIONAL INTEREST: Senators Burr (NC-R) and Hagan (NC-D), Representative McIntyre (NC-07)

DISTRICT: Wilmington

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Cedar Island Keaton Beach, Florida

AUTHORIZATION: A.R. for 1884, P.1223

LOCATION: Levy County, Florida

DESCRIPTION: The project is located in Cedar Keys Harbor, which is in Levy County, Florida. The project provides for a channel 10.5 feet deep and 200 feet wide from the Gulf of Mexico to Cedar Key, and maintenance of the Northwest Gulf channel 8 feet deep by 100 feet wide from the Gulf of Mexico to the Main Ship Channel.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010 <u>O&M</u>
Allocation thru FY 2008	\$55,000
Allocation for FY 2009	\$0
Allocation for FY 2010	\$144,000
Recovery Act Allocation to Date	\$0

FY 2010 ACTIVITIES: Conduct condition surveys and initiate permitting and environmental coordination.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Fall 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman Alan Boyd (FL-02)

DISTRICT: Jacksonville

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: Intracoastal Waterway - Caloosahatchee River to Anclote River, Florida

AUTHORIZATION: House Document 371,76,1, Dated 2 March 1945

LOCATION: The project traverses the west coast of Florida.

DESCRIPTION: Project consists of a channel 9 feet deep by 100 feet wide from Caloosahatchee River to Anclote River; deepening existing 100-foot-wide entrance channel at Casey's Pass (Venice Inlet) to 9 feet; maintenance of bulkheads, revetments, and two jetties built at Casey's Pass under a previous project; and improvement and maintenance of the existing Sunshine Skyway borrow channel to 9 feet deep by 100 feet wide. Waterway includes existing improved channels in Pine Island Sound from Punta Rossa to Charlotte Harbor, in the entrance to Roberts Bay at Casey's Pass, in Little Sarasota Bay and Sarasota Bay from Nokomis to Tampa Bay, and in Boca Ciega Bay from Tampa Bay to Clearwater Harbor; a channel 6 feet deep by 80 feet wide along the southeastern side of Boca Ciega Bay and across Cats Point Shoal. Length of project waterway is approximately 160 miles.

<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	FY 2010
Allocation thru FY 2008	\$10,455,000
Allocation for FY 2009	\$2,034,000
Allocation for FY 2010	\$1,300,000
Recovery Act Allocation to Date	\$0

FY 2010 ACTIVITIES: Maintenance dredging contract will be scoped to comply with available carryover funds. The contract will require dredging of the most critically shoaled area of the 160 mile waterway. The contract depth will be 9 feet to maintain safe navigable depths. The Intracoastal Waterway - Caloosahatchee River to Anclote River provides access to several harbors of refuge during hurricanes and other severe storms. The waterway also provides access for the U.S. Coast Guard to provide Search and Rescue Missions.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Mel Martinez (FL-R), Senator Bill Nelson (FL-D), Congressman Gus Bilirakis (FL-09), Congressman C. W. "Bill" Young (FL-10), Congressman Vern Buchanan (FL-13), Congressman Connie Mack (FL-14)

DISTRICT: Jacksonville

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT NAME: Lockwoods Folly River, NC

AUTHORIZATION: River and Harbor Act of 1890

LOCATION: Lockwoods Folly River is located in Brunswick County on the southeastern coast of North Carolina about 18 miles west of the Cape Fear River.

DESCRIPTION: The authorized project provides for a channel 8 feet deep by 150 feet wide through Lockwoods Folly Inlet and a channel 6 feet deep by 100 feet wide at low water from the Atlantic Intracoastal Waterway (AIWW) to the bridge at Supply, a distance of approximately 12.5 miles.

<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	FY 2010
Allocation for FY 2008	\$608,000
Allocation for FY 2009	\$709,000
Allocation for FY 2010	\$281,000
Recovery Act Allocation to Date	\$1,061,000

FY 2010 ACTIVITIES: Perform one maintenance dredging cycle of the ocean bar channel.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: The project supports a significant local commercial fishing industry. Southeastern North Carolina's economy is dependent on the seafood industry and unimpeded access to the ocean. If access to the open ocean through Lockwoods Folly River becomes impassable to the commercial fishing industry the next closest access is through the Cape Fear River, approximately 15 miles to the east. Alternate access to the ocean from this location requires travelling the Atlantic Intracoastal Waterway.

CONGRESSIONAL INTEREST: Senators Burr (NC-R) and Hagan (NC-D), Representative McIntyre (NC-07)

DISTRICT: Wilmington

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: Miami River, FL

AUTHORIZATION: Rivers and Harbors Act of 1930

LOCATION: Miami, Florida

DESCRIPTION: The project area includes the 5.5 miles of the Miami River in Dade County from its mouth to a point past 36th Street, where it joins the Miami Canal. The river is a federal navigation project with authorized channel depths of fifteen feet. The river varies in width from 150 feet at the confluence with Biscayne Bay to 90 feet in the upper reaches. Development has caused serious water quality problems in the river. A feasibility report submitted in March 1990 showed no justification for the project based on navigation improvements or environmental concerns, but did include the recommendation to proceed with maintenance dredging. This dredging will be funded under the Operation and Maintenance (O&M) program and Congressional Adds to restore the federal navigation channel to its authorized dimensions.

<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	FY 2010
Allocation for FY 2008	\$5,609,000
Allocation for FY 2009	\$9,842,000
Allocation for FY 2010	\$374,000
Recovery Act Allocation to Date	\$0

FY 2010 ACTIVITIES: Contract claims are being resolved and the project will be financially closed out.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: The District awarded a maintenance dredging contract in April 2004. This project was highly scrutinized due to the environmental sensitivity in dealing with contaminated sediments. The selected contractor proposed an economically feasible and environmentally acceptable process. The dredging was performed with a mechanical dredge and the excavated material processed at a plant located next to the river in an effort to segregate the sand, fines (clays and silts) and water. Then, material not usable for re-use was deposited in a local landfill. The water returned back into the river.

This contract had a 5-year duration (through April 2009), dependent on the timely receipt of funding. Total cost of the federal channel project is \$64.5 million at a cost share of 80% federal, 20% non-federal. In addition, the project included a betterment for the project sponsor (100% share), also known as "bank-to-bank", for an additional \$10.3 million. The total contract has a base bid and 28 options (including 13 bank-to-bank options) segregated into 15 Acceptance Sections. In FY 2004 and FY 2005, the contractor was awarded and completed the base bid and eleven options (Acceptance Sections 1 through 6). This was about 40% of the entire project. In November 2005, we incurred the first interim demobilization of the contractor after all available funds were depleted.

In May 2007, the Corps awarded four more contract options (Acceptance Sections 7 and 8) using FY 2006/FY 2007 Appropriations and sponsor funds. The contractor was scheduled to commence dredging in late July 2007, but due to unforeseen delays was not on site until mid February 2008. In accordance with contract clauses, all options had to be awarded prior to 30 September 2008.

Due to a shortfall in federal funding and in an effort to complete the project, an amendment to the original Project Cooperation Agreement (PCA) was executed in August 2007 to allow the sponsor to accelerate their share of the project and to contribute funds so that additional options could be awarded without matching federal funds. Between November 2007 and March 2008, we received \$14.5 million from the sponsor, \$6.5 million in accelerated funds and \$8 million in contributed funds. Subsequently, an advanced funds agreement was executed on August 17, 2008. Shortly afterwards \$10 million was received from the sponsor and all remaining options were awarded. All dredging work was completed on November 7, 2008. The final volume dredged was 541,250 cubic yards.

CONGRESSIONAL INTEREST: Senator Bill Nelson (FL-D), Congressman Kendrick Meek (FL-17), Congresswoman Ileana Ros-Lehtinen (FL-18), Congresswoman Debbie Wasserman Schultz (FL-20), Congressman Lincoln Diaz-Balart (FL-21)

DISTRICT: Jacksonville

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT/STUDY NAME: Naples to Big Marco Pass, FL

AUTHORIZATION: 20 Jun 1938, House Document 596/75/3 and House Document 183/86/1

LOCATION: Naples, Florida

DESCRIPTION: Project consists of an interior channel 6 feet deep by 70 feet wide, a channel 12 feet deep x 150 feet wide from the Gulf of Mexico to Gordon Pass, thence 10 feet deep x 100 feet wide to a point 4000 feet south of U.S. Hwy 41 Bridge, thence 10 feet deep x 70 feet wide to bridge; a turning basin 8 feet deep x 150 feet wide x 200 feet long in upper Naples Bay; and a turning basin 8 feet deep x 250 feet wide x 670 feet long at the municipal yacht basin.

<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	FY 2010
Allocation thru FY 2008	\$4,183,000
Allocation for FY 2009	\$3,487,000
Allocation for FY 2010	\$715,000
Recovery Act Allocation to Date	\$0

FY 2010 ACTIVITIES: Prepare plans & specifications, permit acquisition, National Environmental Policy Act (NEPA) documentation, and geotechnical investigations for the scheduled second phase of maintenance dredging.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senator Martinez (FL-R), Senator Nelson (FL-D),
Congressman Connie Mack (FL-14)

DISTRICT: Jacksonville

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT NAME: New Topsail Inlet and Connecting Channels, NC

AUTHORIZATION: Section 107, River and Harbor Act of 1960, as amended

LOCATION: The project is located in Pender County on the east coast of North Carolina at the south end of Topsail Island.

DESCRIPTION: The authorized project provides for a channel through New Topsail Inlet, 8 feet deep by 150 feet wide to the inlet gorge, a channel 7 feet deep and 80 feet wide from the inlet gorge to the Atlantic Intracoastal Waterway (AIWW) via Old Topsail Creek, about 1.4 miles, and a channel 7 feet deep and 80 feet wide from the inlet gorge through Banks Channel to the AIWW, about 6.3 miles.

<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	FY 2010
Allocation for FY 2008	\$765,000
Allocation for FY 2009	\$184,000
Allocation for FY 2010	\$281,000
Recovery Act Allocation to Date	\$843,400

FY 2010 ACTIVITIES: Perform one maintenance dredging cycle within the entrance channel and associated connecting channel.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: This project supports a significant local commercial fishing industry, recreational sports fishing, U.S. Coast Guard Search and Rescue vessels, and recreational boating. Southeastern North Carolina's economy is dependent on the unimpeded access to the ocean. If access to the open ocean through New Topsail Inlet becomes impassable, the next closest access point is Masonboro Inlet, approximately 15 miles to the southwest or New River Inlet, approximately 21 miles to the northeast. Alternate access to the ocean from this location requires traveling the AIWW.

CONGRESSIONAL INTEREST: Senators Burr (NC-R) and Hagan (NC-D), Representative McIntyre (NC-07)

DISTRICT: Wilmington

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME: Ponce de Leon Inlet, FL

AUTHORIZATION: Public Law 106-53 (WRDA 1999), Section 101(b)(8)

LOCATION: Ponce de Leon Inlet is located in Volusia County on the eastern coast of Florida about 65 miles south of St. Augustine Harbor and 57 miles north of Canaveral Harbor, Florida.

DESCRIPTION: A successful maintenance-dredging event was conducted in August 2009. No efforts are currently planned for FY 2011.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA (\$000) O&M</u>	
Allocation thru FY 2008	\$37,178,000
Allocation for FY 2009	\$2,742,000
Allocation for FY 2010	\$564,000
\$0	

FY 2010 ACTIVITIES: Activities include environmental surveys and application for new environmental permits, NEPA, and preparation and coordination of biological assessments regarding threatened & endangered species. Other activities include post-dredge project surveys to be conducted and compliance with environmental permit conditions.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congresswoman Suzanne Kosmas (FL-24)

DISTRICT: Jacksonville

Date: 1 February 2010

FACT SHEET
OPERATION & MAINTENANCE
Enacted Studies and Projects

BUSINESS PROGRAM: Navigation

PROJECT NAME: Port St. Joe Harbor, FL

AUTHORIZATION: River and Harbor Acts of 2 March 1945 and 3 September 1954

LOCATION: Port St. Joe Harbor is located on St. Joseph Bay about 115 miles east of Pensacola, FL.

DESCRIPTION: The project consists of main entrance and bay channels, 37 feet deep by 400 - 500 feet wide, and north and harbor channels segments, 35 feet deep by 250 - 300 feet wide.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>O&M</u>
Allocation for FY 2008	\$0
Allocation for FY 2009	\$0
Allocation for FY 2010	\$475,000
Recovery Act Allocation to Date	\$0

FY 2010 ACTIVITIES: Funds will be used to acquire environmental certification for disposal of the dredged material.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: This deep draft project has not been maintained in recent years due to low tonnage; however, there is an interest by locals in the area to revitalize the port. Environmental certification for disposal of the dredged material is the first step in resumption of maintenance. The budget amounts will fund these needed environmental clearances.

CONGRESSIONAL INTEREST: Senators Nelson (FL-D) and LeMieux (FL-R) and Congressman Boyd (FL-02)

DISTRICT: Mobile

DATE: 1 February 2010

**SOUTH PACIFIC
DIVISION**

ENACTED FACT SHEETS

1 February 2010

SOUTH PACIFIC DIVISION

TABLE OF CONTENTS

ENACTED PROJECTS

FLOOD AND COASTAL STORM DAMAGE REDUCTIONSPD-*

INVESTIGATIONSSPD+

- CARPINTERIA SHORELINE STUDY, CA.....SPD-8
- CENTRAL VALLEY INTEGRATED FLOOD MANAGEMENT STUDY, CA...SPD-9
- COYOTE DAM, CA.....SPD-10
- ESTUDILLO CANAL, CA.....SPD-11
- LITTLE COLORADO RIVER WINSLOW, AZSPD-12
- LOS ANGELES COUNTY DRAINAGE AREA (LACDA), WATER
CONSERVATION AND SUPPLY, WHITTIER NARROWS DAM, CASPD-13
- LOWER CACHE CREEK, YOLO COUNTY, WOODLAND & VICINITYSPD-14
- LOWER MISSION CREEK, CASPD-15
- PAJARO RIVER, CA.....SPD-16
- SACRAMENTO RIVER FLOOD CONTROL SYSTEM EVALUATION
STUDY, CA.....SPD-17
- SAN CLEMENTE SHORELINE, CASPD-18
- SAN DIEGO COUNTY SHORELINE, CASPD-19
- SAN FRANCISQUITO CREEK, CASPD-20
- SAN JOAQUIN RIVER BASIN, FRAZIER CREEK, CASPD-21
- SAN JOAQUIN RIVER BASIN, LOWER SAN JOAQUIN RIVER, CASPD-22
- SAN JOAQUIN RIVER BASIN, WEST STANISLAUS COUNTY,
ORESTIMBA CREEK, CASPD-23
- SAN JOAQUIN RIVER BASIN, WHITE RIVER AND DEER CREEK, CASPD-24
- SAN JUAN CREEK, SOUTH ORANGE COUNTY, CASPD-25
- SANTA FE, NM.....SPD-26
- SEVEN OAKS DAM WATER CONSERVATION STUDY, CA.....SPD-27
- SOUTH SAN FRANCISCO SHORELINE STUDY, CASPD-28
- SPARKS ARROYO COLONIA, EL PASO, TX.....SPD-29
- ST. HELENA, CA.....SPD-30
- TRUCKEE MEADOWS, NV.....SPD-31
- WALNUT CREEK BASIN, GRAYSON AND MURDERER'S CREEKS, CA ..SPD-32
- WEST SACRAMENTO GENERAL REEVALUATION REPORT (GRR), CA ...SPD-33
- WESTMINISTER, EAST GARDEN GROVE, CA.....SPD-34

SOUTH PACIFIC DIVISION

TABLE OF CONTENTS

CONSTRUCTION.....	SPD-35
ACEQUIAS IRRIGATION SYSTEM, NM	SPD-36
ALAMOGORDO, NM	SPD-37
CALFED LEVEE STABILITY PROGRAM, CA.....	SPD-38
CORTE MADERA CREEK, CA.....	SPD-39
GUADALUPE RIVER, CA.....	SPD-40
LLAGAS CREEK, CA.....	SPD-41
MIDDLE RIO GRANDE FLOOD PROTECTION, BERNALILLO TO BELEN, NM.....	SPD-42
MID-VALLEY AREA LEVEE RECONSTRUCTION PROJECT, CA	SPD-43
MURRIETA CREEK, CA.....	SPD-44
NAPA RIVER FLOOD CONTROL, CA	SPD-45
NOGALES WASH, AZ	SPD-46
PETALUMA RIVER, CA.....	SPD-47
RIO DE FLAG, FLAGSTAFF, AZ	SPD-48
SACRAMENTO RIVER - GLENN COLUSA, CA	SPD-49
SAN LORENZO RIVER, CA	SPD-50
SAN LUIS REY RIVER FLOOD CONTROL PROJECT, CA	SPD-51
SOUTHWEST VALLEY FLOOD DAMAGE REDUCTION, NM	SPD-52
STOCKTON METROPOLITAN AREA REIMBURSEMENT, CA	SPD-53
TERMINUS DAM, KAWEAH RIVER, CA.....	SPD-54
TUCSON DRAINAGE AREA, AZ	SPD-55
UPPER GUADALUPE RIVER, CA	SPD-56
YUBA RIVER, CA	SPD-57
CONTINUING AUTHORITIES PROGRAM.....	SPD-58
BORREGO SPRINGS, CA	SPD-59
CITY CREEK, HIGHLAND, CA.....	SPD-60
GOLET A BEACH, CA.....	SPD-61
LAS GALLINAS CREEK (SANTA VENETIA), CA	SPD-62
PISMO BEACH, CA.....	SPD-63
SAN PEDRO CREEK, PACIFICA, CA.....	SPD-64
WHITE SLOUGH, CA	SPD-65
NAVIGATION	SPD-66
INVESTIGATIONS	SPD-67
HUMBOLDT BAY LONG-TERM SHOAL MANAGEMENT STUDY, CA.....	SPD-68
REDWOOD CITY HARBOR (DEEPENING), CA.....	SPD-69
CONSTRUCTION.....	SPD-70
PORT OF LOS ANGELES, LA HARBOR CHANNEL DEEPENING, CA.....	SPD-71

SOUTH PACIFIC DIVISION

TABLE OF CONTENTS

CONTINUING AUTHORITIES PROGRAM	SPD-72
OYSTER POINT HARBOR, CA.....	SPD-73
PORT HUENEME, CA.....	SPD-74
OPERATION AND MAINTENANCE	SPD-75
CRESCENT CITY HARBOR, CA	SPD-76
PINOLE SHOAL MANAGEMENT STUDY (DELTA LTMS), CA.....	SPD-77
REDWOOD CITY HARBOR, CA.....	SPD-78
SAN FRANCISCO BAY LONG TERM MANAGEMENT STRATEGY, CA	SPD-79
ENVIRONMENT	SPD-80
INVESTIGATIONS	SPD-81
ARROYO SECO WATERSHED, CA	SPD-82
BALLONA CREEK RESTORATION, CA.....	SPD-83
BOLINAS LAGOON ECOSYSTEM RESTORATION, CA	SPD-84
ESPANOLA VALLEY, RIO GRANDE AND TRIBUTARIES, NM	SPD-85
HAMILTON CITY, CA	SPD-86
LOS ANGELES RIVER ECOSYSTEM RESTORATION, CA	SPD-87
LOS ANGELES RIVER WATERCOURSE IMPROVEMENT, HEADWORKS, CA.....	SPD-88
LONG BEACH BREAKWATER, CA	SPD-89
MIDDLE CREEK, CA.....	SPD-90
PIMA COUNTY, (TRES RIO DEL NORTE), AZ	SPD-91
PRADO BASIN ENVIRONMENTAL RESTORATION, CA	SPD-92
RIO SALADO OESTE, AZ	SPD-93
SANTA ANA RIVER, REGIONAL SEDIMENT MANAGEMENT PLAN, CA ..	SPD-94
SANTA ANA RIVER, CITY OF YUCAIPA, CA.....	SPD-95
SANTA CLARA RIVER WATERSHED, CA.....	SPD-96
SANTA ANA RIVER AND TRIBUTARIES, BIG BEAR LAKE, CA	SPD-97
SUN VALLEY WATERSHED, CA.....	SPD-98
VA SHLY'AY AKIMEL, SALT RIVER RESTORATION, AZ	SPD-99
CONSTRUCTION.....	SPD-100
LOS ANGELES RIVER DEMONSTRATION PROJECTS, CA	SPD-101
TRES RIOS, AZ.....	SPD-102
CONTINUING AUTHORITIES PROGRAM.....	SPD-103
ASHLEY CREEK, UT.....	SPD-104
PINOLE CREEK, CA	SPD-105
LAS CRUCES DAM, ENVIRONMENTAL RESTORATION DONA ANA COUNTY, NM	SPD-106
TUJUNGA WASH ENVIRONMENTAL RESTORATION, CA	SPD-107

SOUTH PACIFIC DIVISION

TABLE OF CONTENTS

HYDROPOWER **N/A**
 INVESTIGATIONS
 CONSTRUCTION.....
 CONTINUING AUTHORITIES PROGRAM.....

WATER SUPPLY **N/A**
 INVESTIGATIONS
 CONSTRUCTION.....

ENVIRONMENTAL INFRASTRUCTURE **SPD-108**
 DESSERT HOT SPRINGS, CA.....SPD-109
 RIVERSIDE COUNTY SPECIAL AREA MANAGEMENT PLAN (SAMP),
 CA.....SPD-110
 SAN DIEGO COUNTY SPECIAL AREA MANAGEMENT PLAN (SAMP),
 CA.....SPD-111

CONSTRUCTION **SPD-112**
 CITY OF INGLEWOOD, CASPD-113
 CITY OF SANTA CLARITA (PERCHLORATE), CASPD-114
 CONTRA COSTA WATER DISTRICT, CA.....SPD-115
 FARMINGTON RECHARGE DEMONSTRATION PROGRAMSPD-116
 HARBOR/SOUTH BAY WATER RECYCLING, CA.....SPD-117
 PLACER COUNTY SUB-REGIONAL WASTEWATER TREATMENT, CA ...SPD-118
 RURAL NEVADA, NVSPD-119
 RURAL UTAH, UTSPD-120
 SAN FRANCISCO, CASPD-121
 SAN RAMON VALLEY RECYCLED WATER PROJECT, CASPD-122
 TAHOE BASIN RESTORATION, CA & NVSPD-123

Enacted Studies and Projects

Flood Control and Coastal Storm Damage Reduction

Investigations

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Carpinteria Shoreline Study, CA

AUTHORIZATION: Section 208, Flood Control Act of 1965

LOCATION: The City of Carpinteria is located on the Santa Barbara County coast, 80 miles north of Los Angeles, 15 miles north of Ventura and 12 miles south of Santa Barbara. The study area is between Ash Ave and Linden Ave. The study reach is about 1,300 feet of shoreline. The State Beach borders the southern limit of the reach and the Carpinteria Marsh borders the northern limit.

DESCRIPTION: There are approximately 13 structures within the reach that are directly affected by shoreline erosion and wave attacks. The structures behind the fronting properties may be affected by coastal flooding during storms.

	FY	2010	FY	2010
<u>SUMMARIZED FINANCIAL DATA:</u>		Study		PED
Estimated Federal Cost		\$1,469,000		\$ 750,000
Estimated Non-Federal Cost	\$1,108,000		\$	250,000
Cash		\$ 684,000		\$ 0
Other		\$ 424,000		\$ 0
Total Estimated Cost	\$2,577,000		\$1,000,000	
Allocation thru FY 2008		\$ 577,000		\$ 0
Allocation for FY 2009		\$ 569,000 ^{1/}		\$ 0
Allocation for FY 2010		\$ 202,000 ^{2/}		\$ 0 ^{2/}
Balance to Complete after FY 2010		\$ 323,000		\$ 548,000
Benefit to Cost Ratio @ 7%		N/A		N/A

^{1/} Includes \$330K in Recovery Act Allocations To Date

^{2/} Funds appropriated under PED will be reallocated to feasibility to continue feasibility.

FY 2010 ACTIVITIES: Finalize comments and initiate the development of project alternatives and conduct Agency Technical Review on alternative analysis document.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The feasibility study is scheduled for completion in April 2012 with initiation of the PED phase at that time.

OTHER INFORMATION: Recovery Act funds will not be used on the study as the sponsor doesn't have the financial capability to cost-share the matching funds. They are continuing with the study however.

CONGRESSIONAL INTEREST: Capps (CA-23)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Central Valley Integrated Flood Management Study, CA

AUTHORIZATION: Flood Control Act of 1962 (Public Law 87-874); HR 8 May 64

LOCATION: The study area includes the entire Sacramento River Basin, San Joaquin River and the Delta Basin in Central Valley of California.

DESCRIPTION: The study will develop a long term strategy and program for the Central Valley, focused primarily on flood management but also looking at environmental stability/restoration and long term water supply. The study will build off of the Comprehensive Study which completed an interim report in 2003. The study will require an extensive public outreach program and coordination with Federal, State, Local and Tribal agencies to develop a plan that is supported by the various interest groups in the Central Valley.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Study
Estimated Federal Cost	\$ 860,000
Estimated Non-Federal Cost	\$ 860,000
Cash	\$ 860,000
Other	\$ 0
Total Estimated Cost	\$1,720,000 *
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 450,000
Allocation for FY 2010	\$ 314,000
Balance to Complete after FY 2010	\$ 96,000
Benefit to Cost Ratio @ 7%	N/A

* This cost is the first "phase" to allow critical task to move forward and develop a more detailed cost estimate and Project Management Plan (PMP).

FY 2010 ACTIVITIES: Award contracts to initiate critical tasks for data collection and modeling efforts; develop a more detailed Project Management Plan (PMP); and update the project cost, Feasibility Cost Sharing Agreement, and PMP. Participate in public outreach efforts to identify problems and opportunities throughout the Central Valley.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Development of the entire watershed study is expected to complete around 2015.

OTHER INFORMATION: This study affects 1% of the nation's agricultural land and about 10% of the nation's gross agricultural production. There are only three large "deltas" in the nation and this study includes one of these (Sacramento and San Joaquin Delta). The project also includes the only river system in the nation where all 5 species of salmon can be found. The study area is also home for numerous endangered species and is part of international flyways for migratory birds (Pacific Flyway). Water from the Central Valley is a key source for 2/3 of the residences in California (including San Francisco and Los Angeles), about 23 million people.

CONGRESSIONAL INTEREST: Thompson (CA-1); Hegerger (CA-2); Lungren (CA-3); McClintock (CA-4); Matsui (CA-5); Woolsey (CA-6); Miller (CA-7); Tauscher (CA-10); McNerney (CA-11); Cardoza (CA-18); Radanovich (CA-19); Costa (CA-20); Nunes (CA-21); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 14 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Coyote Dam, CA

AUTHORIZATION: Flood Control Act of 1950, Pub. L. No. 81-516, § 204 64 Stat. 163 (May 17, 1950), in accordance with the Chief's Report in House Document Number 585 (May 9, 1950)

LOCATION: The study area is located on the east fork of the Russian River near the city of Ukiah, California.

DESCRIPTION: The study is evaluating the deferred water supply element of the authorized Federal project and the need for additional flood control as potential improvements to the dam.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
<u>Estimated Federal Cost</u>	Feasibility \$ 2,899,000
Estimated Non-Federal Cost	\$ 2,899,000
Cash	\$(1,450,000)
Other	\$(1,449,000)
Total Estimated Cost	\$ 5,798,000
Allocation thru FY 2008	\$ 506,000
Allocation for FY 2009	\$ 110,000
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$2,193,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Develop cost estimates and scope of work for conducting a dam safety investigation of Coyote Dam. FY10 work does not include award of dam safety investigation contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility study completion in FY 2013.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Thompson (CA-01)

DISTRICT: San Francisco

DATE: 23 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Estudillo Canal, CA

AUTHORIZATION: Water Resources Development Act of 2000, Pub. L. No. 106-541, § 410, 114 Stat. 2572, 2636.

LOCATION: The study area is located within the city limits of San Leandro, California about 15 miles southeast of San Francisco.

DESCRIPTION: The watershed drains into the San Francisco Bay, with drainage of approximately 10 square miles. A substantial number of properties within this densely populated area are designated as being in a FEMA floodplain. This study will evaluate potential flood control improvements in a highly developed area.

	FY	2010
<u>SUMMARIZED FINANCIAL DATA:</u>		<u>Feasibility</u>
Estimated Federal Cost	\$	3,000,000
Estimated Non-Federal Cost	\$	3,000,000
Cash		\$(0)
Other		\$(3,000,000)
Total Estimated Cost	\$	6,000,000
Allocation thru FY 2008		\$ 1,737,000
Allocation for FY 2009		\$ 96,000
Allocation for FY 2010		\$ 112,000
Balance to Complete after FY 2010		\$ 1,055,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Complete Feasibility Scoping Meeting and proceed to alternative screening and development of net benefits per alternative.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility completion no sooner than FY13.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Stark (CA-13)

DISTRICT: San Francisco

DATE: 23 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Little Colorado River Winslow, Arizona (Little Colorado River Watershed, AZ)

AUTHORIZATION: Flood Control Act of 1937; HR 2425 dated 17 May 1994

LOCATION: The study area includes a 7.2 mile flood control levee located along the Little Colorado River near Winslow, Arizona.

DESCRIPTION: The study will evaluate flood control, ecosystem restoration, water quality, water supply and sediment transport issues. This levee was rebuilt 15 years ago to provide 100-year flood protection for parts of Winslow and the surrounding unincorporated areas. Recent studies indicate that the levee does not now provide 100-year flood protection.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$ 2,850,000
Estimated Non-Federal Cost	\$ 2,850,000
Cash	\$ 2,850,000
Other	\$ 0
Total Estimated Cost	\$ 5,700,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 229,000
Allocation for FY 2010	\$ 224,000
Balance to Complete after FY 2010	\$ 2,397,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds are being used to complete without project hydraulics.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable Feasibility phase completion in FY 2011.

OTHER INFORMATION: The Little Colorado River Watershed, Arizona Reconnaissance Report identified seven potential Feasibility Studies: Little Colorado River Winslow, Clear Creek, Little Colorado River Holbrook, San Francisco Wash, Silver Creek, Zuni Heaven and Keams Canyon (Hopi Nation).

CONGRESSIONAL INTEREST: Senator Kyl (AZ), **Kirkpatrick** (AZ-1), **Franks** (AZ-2)

DISTRICT: Los Angeles

DATE: 28 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Los Angeles County Drainage Area (LACDA), Water Conservation and Supply, Whittier Narrows Dam, CA

AUTHORIZATION: Energy & Water Appropriation Act for 1993, Public Law 102-377

LOCATION: The study is located in Los Angeles County, California, approximately 10-15 east of the city of Los Angeles. The Whittier Narrows Conservation Pool allows for the storage and storm runoff behind the Whittier Narrows Dam for groundwater recharge purposes.

DESCRIPTION: The study will focus on increasing water conservation levels at Whittier Narrows.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$ 1,510,000
Estimated Non-Federal Cost	\$ 1,510,000
Cash	\$ 1,510,000
Other	\$ 0
Total Estimated Cost	\$ 3,020,000
Allocation thru FY 2008	\$ 1,210,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 134,000
Balance to Complete after FY 2010	\$ 166,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Amend Feasibility Cost Sharing Agreement and Project Management Plan to continue the feasibility study. Initiate environmental analysis.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would complete the feasibility phase by FY 2012.

OTHER INFORMATION: The conservation pool would be increased to 205 feet with operational changes implemented by the Corps without requiring any capital improvements. With minimal environmental and recreation impacts in the reservoir, capture additional local storm water for up to 2,200 households each year and almost 9000 people annually.

CONGRESSIONAL INTEREST: Lewis (CA-41)

DISTRICT: Los Angeles

DATE: 28 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Lower Cache Creek, Yolo County, Woodland and Vicinity, CA

AUTHORIZATION: Flood Control Act of 1962 (P.L. 87-874), Sec. 209

LOCATION: The project is located about 15 miles northwest of Sacramento, California and includes Clear Lake.

DESCRIPTION: The outlet of Clear Lake is the origin of Cache Creek, which flows through the Capay Valley into the Cache Creek Settling Basin and then into the Yolo Bypass. The flood threat in the area is enhanced by the raised bed of Interstate 5 and a levee system that inadvertently diverts flood flows into Woodland. Alternatives will be developed to reduce flooding in Woodland once the revised Feasibility Cost Sharing Agreement (FCSA) is signed.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Feasibility</u>
Estimated Federal Cost	\$3,600,000
Estimated Non-Federal Cost	\$3,600,000
Cash	\$1,628,000
Other	\$1,972,000
Total Estimated Cost	\$7,200,000
Allocation thru FY 2008	\$1,639,000
Allocation for FY 2009	\$ 48,000
Allocation for FY 2010	\$ 117,000
Balance to Complete after FY 2010	\$1,796,000
Benefit to Cost Ratio @ 7%	N/A

FY2010 ACTIVITIES: Funds are being used to develop a Project Management Plan (PMP), revise the cost estimate, and revise the FCSA to add the State of California as a sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2013

OTHER INFORMATION: The original feasibility study was stopped due to a lack of public support. Study has been on hold for two years. Non-Federal sponsor would now like to reformulate a new project.

CONGRESSIONAL INTEREST: Thompson (CA-1); Herger (CA-2); Lungren (CA-3); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 16 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Lower Mission Creek, CA

AUTHORIZATION: WRDA 2000 amended by WRDA 2007, Section 3034

LOCATION: Santa Barbara County, about 100 miles northwest of the city of Los Angeles, CA

DESCRIPTION: Lower Mission Creek drains into an area of 12.2 square miles and flows from the south slope of the Santa Ynez Mountains. Floods of 1978 and 1980 resulted in request for protection along Mission Creek in the city of Santa Barbara. The urban portion of Mission Creek flood plain is fully developed and potential for serious flood damage is high.

<u>SUMMARIZED FINANCIAL DATA:</u>		<u>FY 2010</u>
		<u>PED</u>
Estimated Federal Cost	\$	3,188,000
Estimated Non-Federal Cost	\$	1,062,000
Cash		\$ 1,062,000
Other		\$ 0
Total Estimated Cost	\$	4,250,000
Allocation thru FY 2008		\$ 1,072,000
Allocation for FY 2009		\$ 887,000 1/
Allocation for FY 2010		\$ 99,000
Balance to Complete after FY 2010		\$ 1,130,000
Benefit to Cost Ratio @ 7%		1.05

1/ Includes \$ 600K in Recovery Act Allocations To Date

FY 2010 ACTIVITIES: Continue plans and specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable PED completion by FY12.

OTHER INFORMATION : None.

CONGRESSIONAL INTEREST: **Capps** (CA-23), **Gallegly** (CA-24)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Pajaro River, CA

AUTHORIZATION: Original Authorization: Flood Control Act of 1966 Pub. L. No. 89-789, § 201, 80 Stat. 1405, 1421. Current Reevaluation Study: Water Resources Development Act of 1990, Pub. L. No. 101-640, §107, 104 Stat. 4604.

LOCATION: City of Watsonville and town of Pajaro, Monterey and Santa Cruz Counties, CA

DESCRIPTION: The Pajaro River Flood Control study is evaluating alternatives for reducing flood damages to the City of Watsonville area along the Corralitos Creek, beginning upstream of Green Valley Road, continuing east to the confluence of Salsipuedes Creek to Pajaro River and along the Pajaro River from mile 12/5 to the east of Watsonville, to the river's mouth at the Pacific Ocean to the west.

<u>SUMMARIZED FINANCIAL DATA</u> :	FY 2010 PED
Estimated Federal Cost	\$ 14,782,000
Estimated Non-Federal Cost	\$ 950,000
Cash	\$ (950,000)
Other	0
Total Estimated Cost	\$ 15,732,000
Allocation thru FY 2008	\$ 8,617,000
Allocation for FY 2009	\$ 1,016,000 1/
Allocation for FY 2010	\$ 583,000
Balance to Complete after FY 2010	\$ 4,566,000
Benefit to Cost Ratio @ 7 %	3.43

1/ Includes \$145k in Recovery Act Allocations To Date

FY 2010 ACTIVITIES: Finalize alternative evaluation, select National Economic Development (NED) and Locally Preferred Plan (LPP), complete benefit and cost estimates for NED and LPP and complete draft report ready for Agency Technical Review.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable PED completion in FY2012.

OTHER INFORMATION: N/A

CONGRESSIONAL INTEREST: Farr (CA-17)

DISTRICT: San Francisco

DATE: 24 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Sacramento River Flood Control System Evaluation Study, CA

AUTHORIZATION: Flood Control Act (FCA) of 1917 (P.L. 64-367), Sec. 2; FCA of 1928 (P.L. 70-391), Sec. 13; FCA of 1941 (P.L. 77-228), Sec. 3; Rivers and Harbors Act of 1937 (P.L. 75-392)

LOCATION: The study area is located on the Sacramento River and the lower reaches of its principal tributaries in north-central California.

DESCRIPTION: The study area includes a comprehensive system of levees, overflow weirs, drainage pump plants and flood bypass channels. Most of the project facilities are over 50 years old and were originally locally constructed. They were later upgraded and incorporated into the project after authorization in 1917. This project will evaluate the current levee system for underseepage and provide recommendations for resolution of critical areas.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$ 6,000,000
Estimated Non-Federal Cost	\$ 6,000,000
Cash \$	6,000,000
Other	\$ 0
Total Estimated Cost	\$12,000,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 500,000 1/
Allocation for FY 2010	\$ 314,000
Balance to Complete after FY 2010	\$ 5,186,000
Benefit to Cost Ratio at 7%	N/A

1/ Received under construction appropriation.

FY 2010 ACTIVITIES: Complete the Project Management Plan (PMP), execute the Feasibility Cost Sharing Agreement (FCSA) and initiate geotechnical study to identify underseepage issues.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The PMP will be complete by February 2010. The feasibility phase will complete by July 2010.

OTHER INFORMATION: Subsequent to the floods of 1986, a five-phase program was developed by the Corps of Engineers which divided the flood control system into five study areas the purpose of which was to examine the levees and determine whether the system was functioning at its design level. Recent flood events have shown that the existing level of flood protection is significantly less than previously thought. The State of California requested a reevaluation of the entire levee system. Additional geotechnical levee evaluations and feasibility studies are necessary due to updated Corps criteria regarding underseepage. Once the studies are complete, well-informed decisions can be made on how to best protect the approximately two million people impacted by flooding due to levee failures.

CONGRESSIONAL INTEREST: Thompson (CA-1); Herger (CA-2); Lungren (CA-3); Matsui (CA-5); Miller (CA-7); McNerney (CA-11); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 16 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: San Clemente Shoreline, CA

AUTHORIZATION: Flood Control Act 1965, Section 208 and P.L. 106-60

LOCATION: The study area is located on the Pacific Ocean of Southern California, south of the city of Los Angeles and approximately 59 miles north of San Diego.

DESCRIPTION: The city of San Clemente is experiencing a continuous loss of shore protection and recreational beach width. Damages to coastal residential and commercial properties from storm induced waves have become a serious threat over the past several years. The study will investigate alternatives to provide shoreline protection.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 PED
Estimated Federal Cost	\$ 750,000
Estimated Non-Federal Cost	\$ 250,000
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$1,000,000
Allocation thru 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$ 660,000
Benefit to Cost Ratio at 7%	1.3

FY 2010 ACTIVITIES: Working towards Alternative Formulation Briefing Report and the Final Environmental Impact Statement and Environmental Impact Report for Public Review.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable PED completion by FY 2012.

OTHER INFORMATION: Trying to complete work to meet WRDA 2010 based on having a signed Chief's report by December 2010.

CONGRESSIONAL INTEREST: Calvert (CA-44), **Campbell (CA-48)**, Issa (CA-49)

DISTRICT: Los Angeles

DATE: 29 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: San Diego County Shoreline, CA

AUTHORIZATION: WRDA 2000, Section 414; WRDA 2007, Section 4025

LOCATION: The study area is located along the San Diego County, CA coastline and is bordered by Mexico to the south and Orange County to the north.

DESCRIPTION: The study assesses the impacts of the Federal navigation features at Oceanside/Camp Pendleton harbor to the shoreline recession problem currently experienced at the city of Oceanside. Loss of protective beaches has caused backshore development to be subject to wave attack and flooding for coastal storms particularly at Oceanside, Carlsbad, Encinitas, Solana Beach and other communities within San Diego County, CA. Damages to coastal residential and commercial properties from storm induced waves have been a constant problem since the construction of the navigational structures at Camp Pendleton.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	FY 2010
	Feasibility	PED
Estimated Federal Cost	\$3,400,000	\$ 750,000
Estimated Non-Federal Cost	\$ 0	\$ 250,000
Cash	\$ 0	\$ 0
Other	\$ 0	\$ 0
Total Estimated Cost	\$3,400,000	\$1,000,000
Allocation thru 2008	\$1,851,000	\$ 0
Allocation for FY 2009	\$ 96,000	\$ 0
Allocation for FY 2010	\$ 0	\$ 134,000
Balance to Complete after FY 2010	\$1,453,000	\$ 616,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Funds are being used to update the Coastal Engineering Modeling, revise Project Management Plan, continue plan formulation as well as economic, environmental and coastal engineering analysis. Contracts for both coastal engineering and economics effort are scheduled for award in FY 2010 (2nd Qtr).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility completion in FY 2012 and PED completion by FY 2013.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: **Issa** (CA-49), **Davis** (CA-53)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: San Francisquito Creek, CA

AUTHORIZATION: Flood Control Act of 1941, Pub. L. No. 77-228, § 4, 55 Stat. 638, 648-50 (1941); House Transportation and Infrastructure Committee Resolution Docket 2659, May 22, 2002, H.R. Rep. No. 107-793 (2002).

LOCATION: The study area is located about 22 miles south of San Francisco, California.

DESCRIPTION: San Francisquito Creek has a inadequate carrying capacity due to vegetation sedimentation, land subsidence, levee settlement and erosion. Flooding on the creek affects the city of Menlo Park in San Mateo County, and Palo Alto and East Palo Alto in Santa Clara County. San Francisquito Creek starts at the base of Searsville Dam at Stanford University and flows into the San Francisco Bay about 2.5 miles south of the Dumbarton Bridge. As a result of record rainfall in February 1998, San Francisquito Creek overtopped its banks, affecting approximately 1,700 residential and commercial structures and causing more than \$26.6 million in property damages. The study will evaluate potential improvement plans to help alleviate flooding problems, as well as address environmental degradation of the watershed.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>FY 2010 Feasibility</u>
Estimated Federal Cost	\$3,732,000
Estimated Non-Federal Cost	\$3,732,000
Cash	\$(2,000,000)
Other	\$(1,732,000)
Total Estimated Cost	\$7,464,000
Allocation thru FY 2008	\$ 526,000
Allocation for FY 2009	\$ 335,000
Allocation for FY 2010	\$ 179,000
Balance to Complete after FY 2010	\$2,692,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue feasibility activities including the Environmental Setting Report, coastal analysis, completion of the hydraulic modeling and flood plain delineation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility study completion in FY 2012.

OTHER INFORMATION: Members of the San Francisquito Creek Joint Powers Authority (JPA) include the cities of East Palo Alto, Palo Alto and Menlo Park, the San Mateo County Flood Control District, and the Santa Clara Valley Water District. All five members must agree on all major decisions.

CONGRESSIONAL INTEREST: Speier (CA-12), Eshoo (CA-14)

DISTRICT: San Francisco

DATE: 23 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: San Joaquin River Basin, Frazier Creek, CA

AUTHORIZATION: FC Act of 1936 (P.L. 74-738), Sec 6; WRDA 99 (P.L. 106-53), Sec. 405

LOCATION: The study area is located on the western slope of the Sierra Nevada range in Tulare County between the towns of Porterville and Strathmore.

AND DESCRIPTION: Frazier Creek is an uncontrolled stream that once was a tributary of the Tule River. Frazier Creek flows were blocked by the construction of the Friant-Kern Canal, and have the potential to cause flooding to the town of Strathmore. Frazier Creek has flooded valuable lands numerous times, most recently in 1998. County roads become impassable and lives, homes and farms are threatened. The study would investigate flood control alternatives for Frazier Creek such as a detention dam structure and/or a permanent channel to an existing canal.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
<u>Estimated Federal Cost</u>	\$1,500,000
Estimated Non-Federal Cost	\$1,500,000
Cash	\$1,500,000
Other	\$ 0
Total Estimated Cost	\$3,000,000
Allocation thru FY 2008	\$ 70,000
Allocation for FY 2009	\$ 96,000
Allocation for FY 2010	\$ 90,000
Balance to Complete After FY 2010	\$1,244,000
Benefit to Cost Ratio @ 7%	N/A

ACTIVITIES FOR FY2010: Funds will be used to prepare the Project Management Plan and execute the Feasibility Cost Sharing Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Reconnaissance Phase - FY2010

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Radanovich (CA-19); Costa (CA-20); Nunes (CA-21); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 14 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: San Joaquin River Basin, Lower San Joaquin River, CA

AUTHORIZATION: Flood Control Act of 1962; House Resolution dated 8 May 1964;
Conference Report 108-357 accompanying Energy and Water Appropriations Act, 2004

LOCATION: The study area is located along the lower (northern) portion of the San Joaquin River system in the Central Valley of California.

DESCRIPTION: The purpose of the feasibility phase is to determine if there is a Federal interest in constructing flood damage reduction and ecosystem restoration improvements along the Lower San Joaquin River.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 5,350,000
Estimated Non-Federal Cost	\$ 5,350,000
Cash	\$ 2,200,000
Other	\$ 3,150,000
Total Estimated Cost	\$10,700,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 495,000
Allocation for FY 2010	\$ 900,000 1/
Balance to Complete after FY 2010	\$ 3,955,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$3K reallocated from the recon phase.

FY 2010 ACTIVITIES: Funds are being used to initiate hydrological and hydraulic modeling, initiate required environmental public scoping meetings, and initiate geotechnical, economic and planning processes for the feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: May 2016

OTHER INFORMATION: Due to the nature of the Lower San Joaquin River and the influence of the Delta, the hydraulic modeling will be a significant, challenging effort. The Corps is working closely with the State to ensure model compatibility for use by the local sponsor (San Joaquin Area Flood Control Agency) for reaching State flood protection requirements

CONGRESSIONAL INTEREST: McNerney (CA-11); Cardoza (CA-18); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 14 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: San Joaquin River Basin, West Stanislaus County, Orestimba Creek, CA

AUTHORIZATION: H. R., 8 May 1964; Flood Control Act of 1936 (P.L. 74-738), Sec. 6

LOCATION: The project area is located in western Stanislaus County, California, including the city of Newman.

DESCRIPTION: Project alternatives have been developed to reduce flood risk to both the city of Newman as well as the surrounding agricultural community. This will be done by increasing the natural channel capacity and improving the current infrastructure with a "chevron levee". Over the past 50 years, changes to the topography and drainage patterns have occurred with the construction of the Delta Mendota Canal, the California Aqueduct, and Interstate 5 causing many of the flooding issues. The city incurred flooding damages and suffered life loss in 2006, 1998, 1995, 1986, 1983, and 1980. Riparian habitat for the endangered Valley Elderberry Longhorn Beetle has also been affected by flooding in the area.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study	FY 2010 PED
Estimated Federal Cost	\$3,186,000	\$3,750,000
Estimated Non-Federal Cost	\$3,186,000	\$1,250,000
Cash	\$1,302,000	\$1,250,000
Other	\$1,884,000	\$ 0
Total Estimated Cost	\$6,372,000	\$5,000,000
Allocation thru FY 2008	\$2,446,000	\$ 0
Allocation for FY 2009	\$ 430,000 1/	\$ 0
Allocation for FY 2010	\$ 310,000	\$ 31,000
Balance to Complete after FY 2010	\$ 64,000	\$3,719,000
Benefit to Cost Ratio @ 7%	N/A	N/A

1/ Includes \$86 in Recovery Act Allocations to Date

FY 2010 ACTIVITIES: Funding will be used to complete the feasibility study phase, to include release of the draft report for public comment and finalize the Chief's Report for submission, and negotiation of the Preconstruction Engineering Design (PED) Agreement. Initial PED funding will be used to begin geotechnical work and to update hydraulic models.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility study in FY 2010. PED phase in FY2012, subject to funding.

OTHER INFORMATION: The Chief's Report is scheduled for completion and submission to HQ in June 2010 for inclusion into WRDA 2010. Currently coordinating PED sponsorship for agreement to be signed December 2010.

CONGRESSIONAL INTEREST: Cardoza (CA-18); Radanovich (CA-19); Senators Feinstein and Boxer

DISTRICT: Sacramento

DATE: 14 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: San Joaquin River Basin, White River and Deer Creek, CA

AUTHORIZATION: FC Act of 1936 (P.L. 74-738), Sec 6

LOCATION: The study area is located near the town of Earlimart in Tulare County in central California, along White River and Deer Creek.

AND DESCRIPTION: In January of 1981 the Corps prepared a recon-level report that determined flood control measures to be economically infeasible. However, during the past 21 years, frequency of flooding has increased and extensive land development and improvements have occurred in the area. As a result of the January 1997 floods, State and Federal disaster assistance was granted to assist the town of Earlimart, which suffered millions of dollars of damage to homes and other structures. State Highway 99, a major artery linking Northern and Southern California, was closed for over a week due to the flooding. This was the fifth time in 40 years that flooding occurred in the area.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY2010 Study
Estimated Federal Cost	\$1,500,000
Estimated Non-Federal Cost	1,500,000
Cash	1,500,000
Other	0
Total Estimated Cost	\$3,000,000
Allocation thru FY 2008	\$ 70,000
Allocation for FY 2009	96,000
Allocation for FY 2010	90,000
Balance to Complete After FY 2010	1,244,000
Benefit to Cost Ratio @ 7%	N/A

ACTIVITIES FOR FY2010: Funds will be used to prepare the Project Management Plan and execute the Feasibility Cost Share Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2010

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Radanovich (CA-19); Costa (CA-20); Nunes (CA-21); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 14 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: San Juan Creek, South Orange County, CA

AUTHORIZATION: Santa Ana River Basin & Orange County (SARBOC) adopted by Resolution of Committee of Public Works, House: 8 May 64

LOCATION: The study area is located in south Orange County and covers approximately 176 square miles.

DESCRIPTION: The project, which covers approximately 176 square miles, will examine flood control, channel stability, environmental restoration and recreation in downstream reaches of San Juan Creek. Moderate storm event (20-year event) in 1998 nearly caused levee failure.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$ 1,600,000
Estimated Non-Federal Cost	\$ 1,600,000
Cash	\$ 1,600,000
Other	\$ 0
Total Estimated Cost	\$ 3,200,000
Allocation thru FY 2008	\$ 301,000
Allocation for FY 2009	\$ 717,000
Allocation for FY 2010	\$ 269,000
Balance to Complete after FY 2010	\$ 313,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue feasibility to include baseline studies and begin formulation and evaluation of alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete feasibility phase in FY12.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: **Miller** (CA-42), **Calvert** (CA-44), and **Campbell** (CA-48)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Santa Fe, New Mexico

AUTHORIZATION: Rio Grande and Tributaries, Flood Control Act, approved August 18, 1941 (PL 228-77) and House Resolution dated April 11, 1974.

LOCATION: The study is located in Santa Fe County, New Mexico, along the Santa Fe River in north central New Mexico.

DESCRIPTION: The study will take a regional and collaborative perspective making recommendations for flood damage reduction, ecosystem restoration, and watershed planning within the Santa Fe River watershed.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 683,000
Estimated Non-Federal Cost	\$ 683,000
Cash	\$ 200,000
Other	\$ 483,000
Total Estimated Cost	\$1,366,000
Allocation thru FY 2008	\$ 522,000
Allocation for FY 2009	\$ 10,000
Allocation for FY 2010	\$ 151,000 1/
Balance to Complete After FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$17K appropriated in FY 2009 withheld by HQ pending review plan approval.

FY 2010 ACTIVITIES: Complete watershed study.

EARLIEST ATTAINABLE COMPLETION FOR PHASE: Optimal funding would enable completion of the cost-shared watershed study in FY 2010.

OTHER INFORMATION: The study area has suffered from flooding, erosion, and ecosystem degradation for many years. The watershed study was initiated in August 2006. At the request of the local sponsors, the scope of the study was increased in 2008 to include 13 additional river miles. The city of Santa Fe and Santa Fe County are joint local sponsors.

CONGRESSIONAL INTEREST: Lujan (NM-03)

DISTRICT: Albuquerque

DATE: 24 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Seven Oaks Dam Water Conservation Study, CA

AUTHORIZATION: Public Works House Resolution May 8th, 1964 HR 101-96

LOCATION: The study is located within San Bernardino County, California. The Dam is approximately one mile upstream of the mouth of the Santa Ana Canyon at the confluence of the Santa Ana River and Government Canyon.

DESCRIPTION: The study will focus on updating the water conservation implementation plan.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$ 3,336,000
Estimated Non-Federal Cost	\$ 3,336,000
Cash	\$ 3,336,000
Other	\$ 0
Total Estimated Cost	\$ 6,672,000
Allocation thru FY2008	\$ 1,164,000
Allocation for FY2009	\$ 0
Allocation for FY2010	\$ 2,172,000 ^{1/}
Balance to Complete after FY2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

^{1/} In accordance with P.L. 111-85, \$1.5M will be transferred from the Construction appropriation to the Investigations appropriation.

FY 2010 ACTIVITIES: Funds will be used to continue updating hydrology, hydraulic, economic data for baseline conditions.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 funds will fully fund the study which is scheduled to complete in FY 2011.

OTHER INFORMATION: Although water conservation was found to be feasible in 1998, a Record of Decision was not signed. The Environmental Impact Statement did not address environmental impacts from water conservation to the San Bernardino Kangaroo Rat (SBKR), an endangered species that was listed under an emergency declaration after the final feasibility study was circulated for review. Therefore, prior to signing a Record of Decision and continuing with detailed engineering and design work, the water conservation study is being updated to address impacts to both the SBKR and current dam operations. This study is contingent upon the completion of the Seven Oaks Water Quality Study, with project analysis, because it sets the future without project condition that will be required to complete the Water Conservation Study.

CONGRESSIONAL INTEREST: **Lewis** (CA-41)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: South San Francisco Shoreline Study, CA

AUTHORIZATION: Water Resources Development Act of 1976, Pub. L. No. 94-587, §142, 90 Stat. 2917, 2930; *amended by* Water Resources Development Act of 1986, Pub. L. No. 99-662, 100 Stat. 4082; *amended by* House Committee on Transportation and Infrastructure Res. Dated July 24, 2002, 107th Congress, 2nd Session, Docket No. 2697; *amended by* Water Resources Development Act of 2007, Pub. L. No. 110-114, § 4027, 121 Stat. 1041, 1177.

LOCATION: Study is located along the shoreline of South San Francisco Bay, CA, extending from the City of Palo Alto to the City of San Leandro and includes 15,100 acres of salt ponds.

DESCRIPTION: The study will re-examine tidal and fluvial flooding problems and potential alternative solutions as well as opportunities to restore wetland habitat along the bay shoreline that would support threatened and endangered species including the salt marsh harvest mouse and the California clapper rail.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
Estimated Federal Cost	Feasibility \$ 9,474,000
Estimated Non-Federal Cost	\$ 9,474,000
Cash	\$(1,737,000)
Other	\$(7,737,000)
Total Estimated Cost	\$18,948,000
Allocation thru FY 2008	\$ 2,980,000
Allocation for FY 2009	2,727,000
Allocation for FY 2010	2,800,000
Balance to Complete after FY 2010	967,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue feasibility technical analysis for the without project conditions milestone and to begin development of an alternatives screening.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The first Interim study is scheduled to be completed in FY 2015.

OTHER INFORMATION: A Feasibility Cost Sharing Agreement for the first interim study report for the Santa Clara County and Alviso Ponds was signed on September 26, 2005. The without project Feasibility Scoping Meeting Conference is scheduled for June 2010. WRDA 2007 requires completion of the feasibility study in three years from the date of the Act which would have required appropriations of approximately \$2.5M per year.

CONGRESSIONAL INTEREST: McNerney (CA-11), Stark (CA-13), Eshoo (CA-14), Honda (CA-15), Lofgren (CA-16)

DISTRICT: San Francisco

DATE: 23 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Sparks Arroyo Colonia, El Paso, Texas

AUTHORIZATION: Resolution of the House Committee on Environment and Public Works of the United States Senate, adopted August 12, 1986.

LOCATION: The study area is located along Sparks Arroyo in southern El Paso County, Texas.

DESCRIPTION: The feasibility study will make flood damage reduction recommendations for Sparks Addition and adjacent colonias.

<u>SUMMARIZED FINANCIAL DATA:</u>		FY 2010 Feasibility
Estimated Federal Cost	\$	1,043,000
Estimated Non-Federal Cost		\$ 1,043,000
Cash	\$	1,043,000
Other		\$ 0
Total Estimated Cost	\$	2,086,000
Allocation thru FY 2008		\$ 703,000
Allocation for FY 2009		\$ 143,000
Allocation for FY 2010		\$ 90,000
Balance to Complete After FY 2010		\$ 107,000
Benefit to Cost Ratio @ 7 %		N/A

FY 2010 ACTIVITIES: Continue feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable completion of the feasibility study in April 2011.

OTHER INFORMATION: The scope has been expanded to include all the drainages that impact the study area's flood zone at the Local Sponsor's (El Paso County, Texas) request.

CONGRESSIONAL INTEREST: Reyes (TX-16)

DISTRICT: Albuquerque

DATE: 16 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: St. Helena, CA

AUTHORIZATION: Water Resources Development Act of 2007, Pub. L. No. 110-114, § 5054, 121 Stat. 1041, 1212-13 (2007).

LOCATION: The project is located within the city of St. Helena along the Napa River.

DESCRIPTION: Major floods have occurred on the Napa River in this area in 1986, 1995, 1997, and 2006. Combined, these floods cost the community over \$95.6 million in property damages. The project will restore habitat of the natural floodplain terraces, including riparian and aquatic habitat and will restore native plant and tree communities through re-vegetation efforts and is needed to provide 100-year flood protection to the area.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$ 885,000 1/
Estimated Non-Federal Cost	\$ 695,000
Cash	\$ (695,000)
Other	\$ (0)
Total Estimated Cost \$	1,580,000

Allocation thru FY 2008

\$ 0

Allocation for FY 2009

\$ 100,000

Allocation for FY 2010

\$ 90,000

Balance to Complete after FY 2010

\$ 695,000

Benefit to Cost Ratio @ 7%

N/A

1/ \$190,000 at 100% Federal expense for PMP/FCSA and reconnaissance level BCR.

FY 2010 ACTIVITIES: Conduct a reconnaissance level Federal determination.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Recon level in FY 2010.

OTHER INFORMATION: The project was authorized by WRDA 2007, if the Secretary determines the plans and designs for the project are feasible. The local sponsor began construction in May 09 and is scheduled to complete construction by the end of FY10. Based upon a project site visit and review of project plans, the District has significant concern that the project as it is being constructed will not meet USACE design standards. As result, a recon level effort is being conducted to determine if a Federal interest exists.

CONGRESSIONAL INTEREST: Thompson (CA-01)

DISTRICT: San Francisco

DATE: 23 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Truckee Meadows, NV

AUTHORIZATION: WRDA 1988 (P.L. 100-676), Sec. 3(a)(10); WRDA 1996 (P.L. 104-303), Sec. 429 (2); EWDA 2006 (P.L. 109-103), Sec. 113

LOCATION: Vicinity of Reno/Sparks, Washoe and Storey Counties, NV

DESCRIPTION: The Truckee River flood plain in the Reno & Sparks metropolitan area encompasses about 8,900 acres, mostly urban development, along both banks of the river. The January 1997 flood of record caused about \$700M in damages. A feasibility report was completed in February 1985. The project as authorized for construction in WRDA 1988 includes \$78M for construction of flood damage risk reduction elements and wildlife enhancements. In 1992, during preconstruction engineering and design (PED), it was concluded that the project lacked economic feasibility and was classified as "deferred." In 1994, due to flood threat and increased development, the local sponsor requested reactivation. WRDA 1996 initiated the General Reevaluation Report (GRR). The study is currently seeking the addition of ecosystem restoration as a project purpose. Alternatives under study include flood risk reduction, ecosystem restoration and recreation elements.

SUMMARIZED FINANCIAL DATA:

		FY 2010 PED
Estimated Federal Cost		\$50,600,000
Estimated Non-Federal Cost		\$ 0
Cash		\$ 0
Other		0
Total Estimated Cost	\$50,60	0,000
Allocation thru FY 2008	\$25,17	3,000
Allocation for FY 2009		\$ 5,409,000 1/
Allocation for FY 2010	\$	6,724,000
Balance to Complete after FY 2010		\$13,294,000
Benefit to Cost Ratio @ 7%		N/A

1/ Includes \$629,000 in Recovery Act Allocations to Date

FY 2010 ACTIVITIES: Revision of hydraulic modeling and economic analysis to support the identification of the National Economic Development (NED) plan; continue work on draft GRR and Environmental Impact Statement (EIS); start geotechnical investigations in the Reno and Vista to Pyramid Lake reaches of the Truckee River; begin sedimentation studies; update topographic and bathymetric profiles on Vista to Pyramid Lake reach of the Truckee River; finish geotechnical work in Truckee Meadows reach.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012 - Alternative Formulation Briefing (AFB).

OTHER INFORMATION: The hydraulic models used in determining floodplains were recently found to be flawed, invalidating the tentative identification of an NED plan. The models have been revised and are currently undergoing peer review. New floodplains and a revised economic analysis will be generated upon completion of review to identify a new NED plan. Both the sponsor and USACE teams are now working to hold an AFB in January 2011. Pending construction appropriations, initiation of construction could begin in mid FY12.

CONGRESSIONAL INTEREST: Heller (NV-2); Senators Reid and Ensign

DISTRICT: Sacramento

DATE: 14 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Walnut Creek Basin, Grayson and Murderer's Creeks, California

AUTHORIZATION: Flood Control Act of 1950 (P.L. 81-516), Sec 205

LOCATION: The study is located in and around the city of Pleasant Hill in Contra Costa County, California, about 20 miles east of the city of San Francisco.

DESCRIPTION: Walnut Creek Project, which lies adjacent to this project area, was authorized by the Flood Control Act of 1960. As a result of continued rapid urbanization, several tributary channels in the upper Walnut Creek Basin have experienced flood and drainage problems outside of the existing Walnut Creek Project area, and comprises about 60 square miles. The study area has a population of over 400,000 and serves as a commercial and industrial center. Flooding in 1982, 1983, 1997, and as recently as New Year's weekend 2006, has resulted in damages in the city of Pleasant Hill.

SUMMARIZED FINANCIAL DATA:	FY 2010 Feasibility
Estimated Federal Cost	\$2,452,000
Estimated Non-Federal Cost	2,452,000
Cash	1,246,000
Other	1,206,000
Total Estimated Cost	\$4,904,000
Allocation thru FY 2008	\$ 976,000
Allocation for FY 2009	478,000
Allocation for FY 2010	90,000
Balance to Complete after FY 2010	908,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds are being used to work towards the development of the Alternative Formulation Briefing Conference, and redefine floodplains and determine average annual damages prevented for the upstream and downstream detention basin alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility study – FY2012

OTHER INFORMATION: The Feasibility Cost Sharing Agreement (FCSA) was executed June 2003. The study is comprised of two phases. The cost estimate represents both phases. A decision has been made to continue with the study. The Project Management Plan (PMP) has been revised with the County's input. The amendment to the FCSA is included in the numbers shown above. There is strong local support by the non-Federal Sponsor, Contra Costa County Flood Control and Water Conservation District, as well as local stakeholders including the City of Pleasant Hill.

CONGRESSIONAL INTEREST: Miller (CA-7); Tauscher (CA-10); McNerney (CA-11); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 16 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: West Sacramento, General Reevaluation Report (GRR), CA

AUTHORIZATION: WRDA 1992 (PL 102-580), Sec 101(4); EWDA 1999 (PL 105-245)

LOCATION: The project is located in West Sacramento, Yolo County in north-central California.

DESCRIPTION: Surrounded by levees on all sides, West Sacramento's 45,000 residents and 43,000 jobs are very vulnerable to flooding. Flooding would devastate lives, property, and the economy, impacting everything from homes and jobs to transportation systems and goods movement. Estimated damageable property in the floodplain is \$2 billion. Flooding in February 1986, in conjunction with subsequent updated hydrologic analyses, have shown that the existing level of flood protection is significantly less than previously thought and does not provide Federal Emergency Management Agency (FEMA) 100-year level of protection.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$2,850,000
Estimated Non-Federal Cost	\$2,850,000
Cash	\$1,150,000
Other	\$1,700,000
Total Estimated Cost	\$5,700,000
Allocation thru FY 2008	\$ 375,000 1/
Allocation for FY 2009	\$ 375,000 1/
Allocation for FY 2010	\$ 448,000
Balance to Complete after FY 2010	\$1,652,000
Benefit to Cost Ratio @ 7%	N/A

1/ Received under construction appropriation.

FY 2010 ACTIVITIES: Working towards GRR Feasibility Scoping Meeting in February 2011.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2012

OTHER INFORMATION: The Non-Federal sponsor expressed a desire to perform a reevaluation of the entire levee system. A Feasibility Cost Sharing Agreement was signed on 26 March 2009 and a GRR is being conducted. The GRR will identify alternatives necessary to ensure the city's flood protection system meets existing standards and provides an acceptable level of protection. Federal partnership is critical to implement improvements as soon as possible.

CONGRESSIONAL INTEREST: Thompson (CA-1); Herger (CA-2); Lungren (CA-3); Matsui (CA-5); Senators Feinstein and Boxer

DISTRICT: Sacramento

DATE: 29 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Westminster, East Garden Grove, CA

AUTHORIZATION: Flood Control Act of 1938, House Resolution dated 8 May 1964

LOCATION: Western Orange County, CA

DESCRIPTION: The watershed area encompasses approximately 90 square miles and will focus on flood control and limited associated ecosystem restoration opportunities. Flood damage along the East Garden Grove Wintersburg Channel affects residential, commercial, and industrial development within the cities of Santa Ana, Westminster, Huntington Beach, and Fountain Valley.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$ 3,524,000
Estimated Non-Federal Cost	\$ 3,524,000
Cash	\$ 3,524,000
Other	\$ 0
Total Estimated Cost	\$ 7,048,000
Allocation thru FY 2008	\$ 1,736,000
Allocation for FY 2009	\$ 860,000
Allocation for FY 2010	\$ 426,000
Balance to Complete after FY 2010	\$ 502,000
Benefit to Cost Ratio @ 7%	

FY 2010 ACTIVITIES: Complete the preliminary draft report and initiate preparation for the Alternative Formulation Briefing.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable completion of the feasibility phase in FY12.

OTHER INFORMATION: Cost estimate will be updated upon revision of the Project Management Plan (PMP).

CONGRESSIONAL INTEREST: **Royce** (CA-40) and **Rohrabacher** (CA-46), Senator Feinstein

DISTRICT: Los Angeles

DATE: 24 December 2009

Construction

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Acequias Irrigation System, New Mexico

AUTHORIZATION: WRDA of 1986, Section 1113 and WRDA 1996, Section 334

LOCATION: There are approximately one thousand recognized acequias throughout the state of New Mexico. Most are located in north-central New Mexico.

DESCRIPTION: Protect and restore river diversions and associated canals of community Acequia systems in New Mexico.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$ 66,000,000
Estimated Non-Federal Cost	\$ 22,000,000
Cash	\$ 17,000,000
Other	\$ 5,000,000
Total Estimated Cost	\$ 88,000,000
Allocation thru FY 2008	\$ 28,912,000
Allocation for FY 2009	\$ 1,914,000
Allocation for FY 2010	\$ 2,422,000
Balance to Complete After FY 2010	\$ 32,752,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES : Funds in the amount of \$2,422,000 will be used to reimburse Los Ranchos and East Puerto de Luna for already constructed efforts (\$ 430,000) & award the construction contract for West Puerto de Luna Giddings Baca Dam (\$1,800,000). Funding for Los Ranchos & East Puerto de Luna will be used to increase water delivery efficiency by upgrading their conveyance systems. Funding for West Puerto de Luna Giddings Baca Dam rehabilitation project will provide irrigation water to 53 families & 330 acres that haven't had water since 2006.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: This program consists of multiple projects in various stages of planning, design and construction.

OTHER INFORMATION: The acequia community ditch systems provide irrigation water to 160,000 acres on 12,000 farms. Acequias have been in existence since the early Spanish Colonization & represent one of the oldest forms of cooperative institutions in the US. Justification for the project is based upon historic and cultural significance the acequias have for local residents & the major role they play in the overall local economy. Flood damages to the acequia diversion dams & main delivery systems and subsequent interruption of water flow to the systems can have a devastating effect on the irrigators. The local sponsor is the State of New Mexico.

CONGRESSIONAL INTEREST: Heinrich (NM-01), Teague (NM-02), Lujan (NM-03); Senator Bingaman

DISTRICT: Albuquerque

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Alamogordo, New Mexico

AUTHORIZATION: Flood Control Act of 1962 (PL 87-874)

LOCATION: This flood control project is located in south central New Mexico in Otero County, in and near Alamogordo, New Mexico. The City is situated at the foot of the Sacramento Mountains near the eastern edge of the Tularosa Basin.

DESCRIPTION: The authorized project consists of two concrete and rip-rap lined diversion channels with 100-year flow capacity (South Diversion Channel and McKinley Channel) and a flood detention structure which will intercept flood flows from the Sacramento Mountains east of the City.

<u>SUMMARIZED FINANCIAL DATA:</u>		FY 2010 Construction
Estimated Federal Cost	\$	54,000,000
Estimated Non-Federal Cost	\$	18,000,000
Cash	\$	18,000,000
Other		\$ 0
Total Estimated Cost	\$	72,000,000
Allocation thru FY 2008	\$	31,345,000
Allocation for FY 2009	\$	4,019,000
Allocation for FY 2010	\$	2,902,000
Balance to Complete After FY 2010	\$	15,734,000
Benefit to Cost Ratio @ 7 %		2.2

FY 2010 ACTIVITIES: Continue design of McKinley Channel.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable award of the construction contract for McKinley channel in 2011.

OTHER INFORMATION: Local sponsor is the City of Alamogordo.

CONGRESSIONAL INTEREST: Teague (NM-02); Senators Bingaman and Udall

DISTRICT: Albuquerque

Date: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: CALFED Levee Stability Program, California

AUTHORIZATION: W RDA 2007 (P.L. 110-114), Sec. 3015; Water Supply, Reliability, and Environmental Improvement Act (P.L. 108-361), Section 103 (f) (3) (B)

LOCATION: The study area is located in Sacramento, San Joaquin, Contra Costa, Solano, Yolo, and Alameda counties, California and extends from Sacramento south to the city of Stockton and west to Suisun Bay and includes the Sacramento-San Joaquin Delta.

DESCRIPTION: The Sacramento-San Joaquin Delta consists of about 740,000 acres of land segregated into some 80 tracts and islands and 1,100 miles of levees. The Delta is an integral part of California's water conveyance systems. The Report to Congress presented a prioritized list of 48 potential levee stability projects to be carried out under the CALFED Act, and a budget schedule for the authorized \$90 million through 2010. The report was submitted to Congress on 14 September 2006. WRDA 2007 authorized an additional \$106 million for the project.

<u>SUMMARIZED FINANCIAL DATA:</u>		FY 2010
		<u>Construction</u>
Estimated Federal Cost	\$196,000,00	0
Estimated Non-Federal Cost		\$105,500,00
Cash		\$105,500,000
Other		\$ 0
Total Estimated Cost	\$301,500,00	0
Allocation thru FY 2008		\$ 5,320,000
Allocation for FY 2009		\$ 4,785,000
Allocation for FY 2010		\$ 4,844,000
Balance to Complete after FY 2010		\$181,051,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES : Review reconnaissance reports, develop Project Management Plans (PMPs), sign 4-6 Feasibility Cost Share Agreements and begin Project Implementation Reports (PIRs).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase complete for up to 6 PIRs in FY 2011. Six PED projects will complete and move into construction phase in FY 2011.

OTHER INFORMATION: Current funding limits \$196 million. To date, 48 projects have been prioritized as high, medium or low. Cost share commitments are critical for each project to move forward under this authorization.

CONGRESSIONAL INTEREST: Miller (CA-7), Tauscher (CA-10), McNerney (CA-11), Cardoza (CA-18), Senators Boxer and Feinstein

DISTRICT: Sacramento

Date: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Corte Madera Creek, California

AUTHORIZATION: RHA 1962, P. L. 87-874, § 203, 76 Stat. 1173; *amended by* RHA 1966, P. L. 89-789, § 201, 80 Stat. 1405, *modified by* WRDA 1986, P. L. 99-662, § 823, 100 Stat. 4082.

LOCATION: Corte Madera Creek and its tributaries drain an area of about 28 square miles in Marin County, and flow into the northwest side of San Francisco Bay.

DESCRIPTION: The Unit 4 project, located in the Town of Ross, would provide protection to residential, commercial and public property along Corte Madera Creek. Downstream Unit 3, built in 1971, may also be modified if necessary to avoid any induced flooding.

SUMMARIZED FINANCIAL DATA:	FY 2010
Constructio	n
Estimated Federal Cost	\$21,900,000
Estimated Non-Federal Cost	\$15,200,000
Cash	\$ 1,740,000
Other	\$13,460,000
Total Estimated Cost	\$37,100,000
Allocation thru 2008	\$15,490,000
Allocation for FY 2009	\$ 239,000
Allocation for FY 2010	\$ 472,000
Balance to Complete after FY 2010	\$ 5,699,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue work on the General Re-evaluation Report (GRR) and EIS/R documentation. The EIS/R contract was awarded in January 2010 and is expected to produce a Baseline Conditions report in September 2010. Work will continue on finalizing the hydrology and hydraulics, economics, channel designs and cost estimates necessary to determine a final array of project alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The GRR is scheduled to complete in FY 2012. The longest activities influencing this completion are the EIS/R process, the various Planning Milestone conferences, and the review process (both public and internal USACE review).

OTHER INFORMATION: The 1966 -authorized cost sharing and financing requirements apply as long as the project remains as authorized.

CONGRESSIONAL INTEREST: Woolsey (CA-06)

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Guadalupe River, California

AUTHORIZATION: WRDA 86 (P.L. 99-662), Sect. 401(b); Energy and Water Development Appropriations Acts for: 1990; 1992, Sec. 105; and 2002, Sec. 106.

LOCATION: The project is located in downtown San Jose, Santa Clara County, California.

DESCRIPTION: The project consists of about 2.6 miles of channel improvements and fish and wildlife mitigation along the Guadalupe River between Interstate Highways 280 and 880. The project recommended for construction is the Locally Preferred Plan which will provide 100-year flood protection, provisions for recreation and a basis for the larger, locally developed Guadalupe River Park Plan, at the expense of the sponsor, Santa Clara Valley Water District.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$157,200,000
Estimated Non-Federal Cost	\$106,000,000
Cash	\$ 18,127,000
Other	\$ 87,873,000
Total Estimated Cost	\$263,200,000
Allocation thru FY 2008	\$141,525,000
Allocation for FY 2009	\$ 8,823,000 1/
Allocation for FY 2010	\$ 140,000
Balance to Complete after FY 2010	\$ 6,712,000
Benefit to Cost Ratio @ 7%	1.6

1/ Includes \$5,952,000 in Recovery Act allocations to Date

FY 2010 ACTIVITIES: Construct new railroad bridge and Vehicle Bridge. Design and build mitigation features.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: McNerney (CA-11); Stark (CA-13); Eshoo (CA-14); Honda (CA-15); Lofgren (CA-16); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Llagas Creek, California

AUTHORIZATION: WRDA 1999, P. L. 106-53; § 501(a), 113 Stat. 269; *modified by* WRDA 2007, P. L. 110-114, § 3022, 121 Stat. 1041.

LOCATION: The project is located in southern Santa Clare County, California, in the vicinity of the communities of Morgan Hill, San Martin, and Gilroy.

DESCRIPTION: The Soil Conservation Service designed the entire project and constructed the downstream reaches. WRDA 1999 turned the project over to USACE to construct the upstream reaches consisting of channel improvements and a diversion channel which will provide a 100-year level of flood protection to urban areas and 10-year protection to agricultural areas.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$ 65,000,000
Estimated Non-Federal Cost	\$ 40,000,000
Cash	\$ 0
Other	\$ 40,000,000
Total Estimated Cost	\$105,000,000
Allocation thru 2008	\$ 3,643,000
Allocation for FY 2009	\$ 317,000
Allocation for FY 2010	\$ 242,000
Balance to Complete after FY 2010	\$ 60,798,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue work on existing conditions portion of EIS (contract awarded in FY09); provide sponsor with technical assistance in their selection of a design contractor (see "Other Information", below); complete hydraulic report and ATR on report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Design – FY2012; construction – FY2015

OTHER INFORMATION: Project costs shown above are no less than 5 yrs old. Recent FY10 hydraulic findings indicate project features associated with a \$105M project may not be as extensive, thereby changing the project cost and LERRD's to be acquired by Non-Federal Sponsor.

CONGRESSIONAL INTEREST: McNerney (CA-11)

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Middle Rio Grande Flood Protection, Bernalillo to Belen, New Mexico

AUTHORIZATION: WRDA of 1986 (P.L. 99-662).

LOCATION: The project is located on the Rio Grande in central New Mexico, between Bernalillo and Belen, New Mexico.

DESCRIPTION: A General Reevaluation Report is currently underway reconfirming the feasibility of the Isleta, Mountainview, and Belen units of the project. The project consists of the rehabilitation and reconstruction of approximately 50 miles of spoil bank levees to provide flood control along the Rio Grande. The project will protect the municipalities of Isleta, Mountainview, Los Lunas, Bosque Farms, and Belen.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
<u>Estimated Federal Cost</u>	Construction \$ 57,900,000
Estimated Non-Federal Cost	\$ 19,300,000
Cash	\$ 13,800,000
Other	\$ 5,500,000
Total Estimated Cost	\$ 77,200,000 <u>1/</u>
Allocation thru FY 2008	\$ 12,033,000
Allocation for FY 2009	\$ 3,619,000 <u>2/</u>
Allocation for FY 2010	\$ 756,000
Balance to Complete After FY 2010	\$ 41,492,000
Benefit to Cost Ratio @ 7%	1.6 <u>3/</u>

1/ The estimated cost for the recommended project is pending. The total cost shown is the authorized cost.

2/ Includes \$3,236,000 in Recovery Act Allocations to Date

3/ The Benefit to Cost Ratio of 1.6 is for the authorized project. The Benefit to Cost Ratio for the recommended project is pending.

FY 2010 ACTIVITIES: Continue the General Reevaluation Report by developing and analyzing various alternatives and completing environmental studies for the draft NEPA compliance documentation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable completion of the General Reevaluation Report in FY 2012.

OTHER INFORMATION: There are two endangered species in the project area – the Southwest Willow Flycatcher and the Rio Grande Silvery Minnow. The Corrales unit construction was completed in 1977.

CONGRESSIONAL INTEREST: Heinrich (NM-01); Teague (NM-02)

DISTRICT: Albuquerque

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Mid-Valley Area Levee Reconstruction Project, California

AUTHORIZATION: Flood Control Act (FCA) of 1917 (P.L. 64-367), Sec. 2; FCA of 1928 (P.L. 70-391), Sec. 13; FCA of 1941 (P.L. 77-228), Sec. 3; Rivers & Harbors Act of 1937 (PL 75-392), p. 6

LOCATION: The project area includes the Sacramento and Feather Rivers, Knights Landing Ridge Cut, Sutter and Yolo Bypasses and portions of the Bear River including Yankee Slough, Dry, Cache, Putah Creeks and the Natomas Cross Canal. Communities include Knights Landing, Robbins, Davis and Woodland.

DESCRIPTION: The project includes levee reconstruction through installing landside berms with toe drains, ditch relocation, embankment modification, slurry cut-off walls, and developing land for fish and wildlife mitigation. Between 1956 and 1986 there were four instances of emergency flood repairs on the Knights Landing Ridge Cut levees. Floods of January and March 1995 and January 1997 caused considerable seepage and boils. Areas protected by levees comprise over 93,000 acres. Estimated value of property protected by project is \$97.4 million.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$41,000,000
Estimated Non-Federal Cost	\$13,000,000
Cash	\$ 8,000,000
Other	\$ 5,000,000
Total Estimated Cost	\$54,000,000
Allocations thru FY 2008	\$14,108,000
Allocations for FY 2009	\$ 1,914,000
Allocation for FY 2010	\$ 1,211,000
Balance to Complete after FY 2010	\$23,767,000
Benefit to Cost Ratio @ 7%	1.3

FY 2010 ACTIVITIES: Execute design contract and initiate design for areas 2 and 4. Complete design of contract area 3, to include additional tasks for geotech field work.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete design of all contracts early in FY2011.

OTHER INFORMATION: Based on damages from the January 1997 floods, a supplemental design memorandum (SDM) was prepared to evaluate additional sites which have been identified for reconstruction. During the economic re-evaluation of Areas 2, 3 & 4, the additional sites identified in the SDM were included. The draft Engineering Documentation Report (EDR) on the unconstructed portion (remaining areas 2, 3, 4) of the project is currently being reviewed for finalization. The EDR will be the authorizing document for the Project Partnership Agreement. The cost estimate has been revised effective February 2009.

CONGRESSIONAL INTEREST: Thompson (CA-1); Herger (CA-2); Lungren (CA-3); Matsui (CA-5); Miller (CA-7); Senators Boxer and Feinstein

DISTRICT: Sacramento

Date: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Murrieta Creek, California

AUTHORIZATION: P.L. 106-377 EWDAF FY01, Section 103; P.L. 107-66 EWDAF 2002.

LOCATION: The project is located in the cities of Murrieta and Temecula, Riverside County, California.

DESCRIPTION: The Project is a multi-purpose flood control, environmental restoration and recreation project along 7.5 miles of the Murrieta Creek. The major project features include channel widening and deepening and an environmental corridor along the length of the project.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$ 79,236,000
Estimated Non-Federal Cost	\$ 42,664,000
Cash	\$ 4,760,000
Other	\$ 37,904,000
Total Estimated Cost	\$121,900,000
Allocation thru FY 2008	\$ 15,233,000
Allocation for FY 2009	\$ 3,349,000
Allocation for FY 2010	\$ 1,890,000
Balance to Complete after FY 2010	\$ 58,764,000
Benefit to Cost Ratio @ 7%	0.32

FY 2010 ACTIVITIES : Maintain restoration area and continue the mandatory water quality monitoring of Phase 1. Complete the design and environmental documentation of Phase 1A and Phase 2. Continue design and environmental documentation of Phase 3 and Phase 4.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE : Design and environmental documentation for Phase 1A and Phase 2 are scheduled to be completed in FY 2010.

OTHER INFORMATION: Full Construction funds of \$14M are needed to award contract for Reach 2 and 1A. Corps and Riverside County Flood Control and Water Conservation District, and Cities of Temecula and Murrieta have discussed possibilities of advancing sponsor's remaining funds to facilitate construction activities.

CONGRESSIONAL INTEREST: Bono (CA-45), Issa (CA-49), Calvert (CA-44)

DISTRICT: Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Napa River Flood Control, California

AUTHORIZATION: Flood Control Act (FCA) of 1965 (P.L. 89-298), Sec. 204; FCA of 1976 (P.L. 94-587), Sec. 136(a)

LOCATION: This flood damage reduction project is located in the city of Napa, California.

DESCRIPTION: A major portion of the presently developed area of the city is located in a high flood hazard area and is subject to flooding. The National Economic Development (NED) Plan would provide a 100-year level of protection from the Napa River and Napa Creek and would consist of overbank excavation, floodwalls, vertical walls, levees, bridges, pumping stations, and flowage easements. The plan also includes recreation trails and incidental restoration.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$244,400,000
Estimated Non-Federal Cost	\$158,370,000
Cash	\$ 20,681,000
Other	\$137,689,000
Total Estimated Cost	\$402,770,000
Allocation thru FY 2008	\$ 98,139,000
Allocation for FY 2009	\$ 68,630,000 1/
Allocation for FY 2010	\$ 1,000,000
Balance to Complete after FY 2010	\$ 76,631,000
Benefit to Cost Ratio @ 7%	N/A 2/

1/ Includes \$58,103,000 in Recovery Act Allocations To Date
2/ Benefits and costs currently under review

FY 2010 ACTIVITIES: Funds in the amount of \$1,000,000 are being used to initiate completion of the final design of the Oxbow/Bypass. Anticipated FY10 ARRA funds will be used to fully fund the construction contract for Napa Creek and related engineering and construction management; fund repairs to segment 2E; fund final design of the Bypass Project; and continue engineering and construction management during the FY10 construction of the Bypass Rail Bridge Relocation project contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2015 (subject to continued funding) for the completion of construction of the entire Napa River/Napa Creek Flood Protection Project including the three remaining pump stations and flood control facilities north of downtown Napa along the Napa River.

OTHER INFORMATION: Currently developing more detailed construction cost estimates for Oxbow Pump Station & Oxbow/Bypass. ARRA funds totaling \$99 Million were authorized in spring 2009.

CONGRESSIONAL INTEREST: Thompson (CA-1); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Nogales Wash, Arizona

AUTHORIZATION: 1990, Section 101 (a)(4); WRDA 1996, Section 303 & 404; WRDA 2000, Section 302; WRDA 2007, Section 3008

LOCATION: The project is located in extreme southern Arizona in the city of Nogales, about 60 miles south of Tucson.

DESCRIPTION: The project has two separable features, a flood-warning system in Mexico and the United States and a channel and levee construction at Chula Vista, Arizona. Urbanization in the twin cities of Nogales, Sonora, Mexico and Nogales, Arizona, with a combined population of 500,000 has increased runoff into the Nogales Wash, causing flood/erosion problems.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
<u>Estimated Federal Cost</u>	\$ 50,113,000
Estimated Non-Federal Cost	\$ 5,382,000
Cash	\$ 2,500,000
Other	\$ 2,882,000
Total Estimated Cost	\$ 55,495,000
Allocation thru FY 2008	\$ 25,058,000
Allocation for FY 2009	\$ 2,500,000
Allocation for FY 2010	\$ 1,502,000
Balance to Complete after FY 2010	\$ 21,053,000
Benefit to Cost Ratio @ 7%	0.36

FY 2010 ACTIVITIES: Funds are being used to complete Post Authorization Document to 75% and to award the next phase of construction that will consist of an access road and channel improvements.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable Construction phase completion in FY 2012 with WRDA 2010 902-limit cost increase authorization.

OTHER INFORMATION: The Authorized project cost was raised in WRDA 2007 to \$25.41M; however, cost increased due to the project's remote location construction costs and mobilization costs incurred from phasing the project to match allocation.

CONGRESSIONAL INTEREST: Grijalva (AZ-7); Pastor (AZ-4); Senator Kyl

DISTRICT: Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Petaluma River, California

AUTHORIZATION: WRDA 2000, P. L. 106-541, § 112, 114 Stat. 2572, 2587; *modified by* WRDA 2007, P. L. 110-114, § 3025, 121 Stat. 1041, 1111.

LOCATION: The project is approximately one mile long thru the city of Petaluma; extending upstream from Lynch Creek, downstream 600 feet downstream of the Lakeville Street Bridge.

DESCRIPTION: The project includes a mile-long steel sheet pile flood/retaining wall, a concrete constriction weir, 2 new pump stations (one of which is a betterment), 2 large mitigation sites, and the replacement of 2 vehicular bridges and 1 railroad bridge. A second railroad bridge has been relocated and replaced by a spur line.

<u>SUMMARIZED FINANCIAL DATA:</u>		FY 2010
		<u>Construction</u>
Estimated Federal Cost	\$	29,991,000
Estimated Non-Federal Cost	\$	16,149,000
Cash		\$ 1,983,000
Other		\$ 14,166,000
Total Estimated Cost		\$ 46,140,000
Allocation thru 2008	\$	28,313,000
Allocation for FY 2009		\$ 0
Allocation for FY 2010		\$ 727,000
Balance to Complete after FY 2010		\$ 951,000
Benefit to Cost Ratio @ 7%		0.96

FY 2010 ACTIVITIES: Railroad mainline switch will be constructed in FY10 using FY09 Funds. The FY10 allocation of \$727,000 has been scheduled as planned carryover pending receipt of Non-Federal Sponsor cost share funds.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The estimated completion for the construction phase is FY 2013, pending the results of the I-Wall Study.

OTHER INFORMATION: The US Army Corps of Engineers has mandated a flood wall study to assess I-W all construction based on lessons learned post-Katrina and is still finalizing guidelines for the study before it can be initiated. Until the results of this (future) study are in and recommendations are made as to potential I-Wall repairs, a firm estimate of project completion can not be given.

CONGRESSIONAL INTEREST: Woolsey (CA-06)

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Rio de Flag, Flagstaff, Arizona

AUTHORIZATION: Water Resources Development Act of 2000, Sec. 101(b)(3); WRDA 2007, Sec. 3007

LOCATION: The project area is located partly within the city of Flagstaff and entirely within Coconino County, Arizona.

DESCRIPTION: The area is subject to flooding from Rio de Flag and Clay Avenue Wash. The plan consists of channel modifications, construction of a detention basin, berms and floodwalls in the Thorpe Park area.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
<u>Estimated Federal Cost</u>	Construction
Estimated Federal Cost	\$ 38,263,000
Estimated Non-Federal Cost	\$ 21,355,000
Cash	\$ 21,355,000
Other	\$ 0
Total Estimated Cost	\$ 59,618,000
Allocation thru FY 2008	\$ 15,293,000
Allocation for FY 2009	\$ 1,500,000
Allocation for FY 2010	\$ 3,003,000
Balance to Complete after FY 2010	\$ 18,467,000
Benefit to Cost Ratio @ 7%	0.95

FY 2010 ACTIVITIES: Funds are being used to award Mainstem Phase 2A construction contract and complete P&S to 100% on Mainstem Phase 3.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable Construction phase completion in FY 2012.

OTHER INFORMATION: As a result of the Federal Emergency Management Agency (FEMA) designating much of Flagstaff's downtown as a Special Flood Hazard Area, Flagstaff is prevented from moving forward with new development or important redevelopment projects.

CONGRESSIONAL INTEREST: Kirkpatrick (AZ-1), Senator Kyl

DISTRICT: Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Sacramento River - Glenn-Colusa, California

AUTHORIZATION: F CA 1917 (P.L. 64-367), Sec. 2, EWDA, 1990 (P.L. 101-101), Sec. 102; EWDA 1999 (P.L. 105-245); WRDA 96 (P.L. 104-303), Sec. 301(b)(3); WRDA 99 (P.L. 106-53), Sec. 305

LOCATION: The project is located between River Mile 202 and 206 on the Sacramento River near the Glenn-Tehama County line. The project also addresses the need for additional work near RM 208.

DESCRIPTION: Since 1970, flood flows in the Sacramento River have altered the river channel & lowered the water surface at the GCID Hamilton City pumping plant. Changing conditions cause significant adverse impacts to river stability, water supply and anadromous fishery resources in the area. The GCID Riverbed Gradient Facility was constructed as part of three-way project that included an irrigation pump station upgrade by GCID, a state-of-the-art fish screen by the US Bureau of Reclamation, & a 1,000 foot long riverbed aggradation on the Sacramento River (gradient facility) by the Corps to increase backwater for the fish screen and pumping plant. Gradient Facility construction was completed in November 2000. There is currently a risk to the gradient facility & GCID intake structure as the river meanders. A long term solution is being sought for the gradient facility and GCID pump station.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
<u>Estimated Federal Cost</u>	Construction
Estimated Non-Federal Cost	\$23,380,000
Cash	\$ 7,790,000
Other	\$ 5,275,000
Total Estimated Cost	\$ 2,515,000
Allocation thru FY 2008	\$31,170,000
Allocation for FY 2009	\$20,861,000
Allocation for FY 2010	\$ 600,000
Balance to Complete after FY 2010	\$ 230,000
Benefit to Cost Ratio @ 7%	\$ 1,689,000
	N/A

FY 2010 ACTIVITIES : Carryover funds are being used to award contracts to refine bank stabilization alternatives & environmental impacts upstream at RM 208, & evaluate gradient facility performance with identification of potential corrective measures. FY 2010 funds are being used for further evaluation of the gradient control structure & to continue development of alternatives upstream of the gradient facility at RM 208. Reprogramming of \$1 million would enable completion of the bank stabilization evaluation upstream at RM 208; award of a contract to design the bank protection; and evaluation & recommendation of solutions for the function of the existing gradient control structure.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2015

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Herger (CA-2); Senators Feinstein and Boxer

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: San Lorenzo River, California

AUTHORIZATION: WRDA 1996 (P.L. 104-303), Title 1, Sec. 101(a)(5); WRDA 1999 (P.L. 106-53), Sec. 306; EWDA 2004, Sec. 144

LOCATION: The project is located within the city limits of Santa Cruz, California.

DESCRIPTION: The project consists of floodwalls, levee, toe-drains, a controlled overflow, channel dredging, flood proofing and habitat restoration. Bank stabilization was added in WRDA 99.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$25,260,000
Estimated Non-Federal Cost	\$ 9,240,000
Cash	\$ 6,328,000
Other	\$ 2,912,000
Total Estimated Cost	\$34,500,000
Allocation thru FY 2008	\$22,085,000
Allocation for FY 2009	\$ 211,000
Allocation for FY 2010	\$ 242,000
Balance to Complete after FY 2010	\$ 2,722,000
Benefit to Cost Ratio @ 7%	1.5

FY 2010 ACTIVITIES : Certify hydrology, approve hydraulics model from sponsor, finalize crediting package, initiate amendment to Project Partnership Agreement, initiate alternative analysis and conceptual design on levee raise versus channel excavation and finalize 902 calculation spreadsheet.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2015

OTHER INFORMATION: A Review Plan and Crediting Package was submitted to the Center of Expertise for approval of bridge relocation costs and once approved by Division the costs will be incorporated as project costs.

CONGRESSIONAL INTEREST: Eshoo (CA-14), Honda (CA-15), Farr (CA-17); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: San Luis Rey River Flood Control Project, California

AUTHORIZATION: Section 201 FCA 1965 (Auth 1970), WRDA 86, Section 1165 Appropriations Bill 1990, WRDA 1990, Title I, Section 102 (f), WRDA 96, Section 301 (a) (3)

LOCATION: The project is located along the lower 7.2 miles of the San Luis Rey River in and around the city of Oceanside, San Diego County, California.

DESCRIPTION: Project's authorized plan provides for 5.4 miles of a double level, stone-protected channel with a soft bottom; 1330 feet of parapet walls; six interior drainage ponds; and a 5-mile bicycle trail and 247.4 acres of habitat to mitigate for impacts to the endangered species "least Bells vireo" and "Southwestern Willow Flycatcher." The remaining work includes 3 phases of vegetation management and \$5M mitigation and restoration plan.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$74,175,000
Estimated Non-Federal Cost	\$24,725,000
Cash	\$4,945,000
Other	\$19,780,000
Total Estimated Cost	\$98,900,000
Allocation thru FY 2008	\$65,819,000
Allocation for FY 2009	\$683,000
Allocation for FY 2010	\$1,453,000
Balance to Complete after FY 2010	\$6,220,000
Benefit to Cost Ratio at 7%	0.24

FY 2010 ACTIVITIES: Continue environmental mitigation work including population monitoring, bio-assessment, invasive eradication, update Emergency Action Plan, prepare draft O&M manual, continue work on Restoration Plan, Adaptive Habitat Management Plan, and coordination with environmental resource agencies. The Post Authorization Decision Document, Supplemental Environmental Impact Statement and Environmental Impact Report are being finalized to address this issue.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2016.

OTHER INFORMATION: Years of being restricted from channel clearing significantly reduced channel conveyance capability while endangered species have been thriving. Current level of protection is less than 100-year.

CONGRESSIONAL INTEREST: Issa (CA-49)

DISTRICT: Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Southwest Valley Flood Damage Reduction, Albuquerque, New Mexico

AUTHORIZATION: WRDA 2007 (PL 110-114)

LOCATION: The project is located in the southwest portion of the greater Albuquerque metropolitan area. The study area includes the 22.5 square mile southwest valley drainage area and the 147.5 square mile west mesa contributing area.

DESCRIPTION: The project will reduce flood damages to Albuquerque's southwest valley. The project includes improvements to existing drains, and the construction of detention basins, channels, and an outlet structure to the Rio Grande.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$16,146,000
Estimated Non-Federal Cost	\$ 8,694,000
Cash	\$ 5,894,000
Other	\$ 2,800,000
Total Estimated Cost	\$24,840,000
Allocation thru FY 2008	\$ 2,503,000
Allocation for FY 2009	\$ 3,828,000
Allocation for FY 2010	\$ 2,810,000
Balance to Complete After FY 2010	\$ 7,005,000
Benefit to Cost Ratio @ 7%	1.19

FY 2010 ACTIVITIES: Initiate the first construction phase, to include the right of use permit that will allow storage and conveyance of storm water in the exiting drains, procurement of property for a new channel that connects the Isleta drain to the Los Padillas drain, and easements for the new outfall channel from Los Padillas drain to the Rio Grande.

EARLIEST ATTAINABLE COMPLETION FOR PHASE: Optimal funding would enable completion of construction in FY 2012.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Heinrich (NM-01); Senators Bingaman and Udall

DISTRICT: Albuquerque

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Fact Sheets

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Stockton Metropolitan Flood Control Reimbursement, California

AUTHORIZATION: WRDA 1996 (P.L. 104-303), Sec. 211(f); EWDAA 2000 (P.L. 106-60); WRDA 2007 (P.L. 110-114), Sec. 5051

LOCATION: Primary project area is Stockton, California, 40 miles south of Sacramento and 85 miles east of San Francisco. The 200 square mile area extends from Bear Creek on the north, Mormon Slough on the south, the confluence with the Sacramento/San Joaquin Delta on the west and Jack Tone Road on the east.

DESCRIPTION: Project will reimburse the sponsor for locally constructed improvements made to the existing levee system. In 1986, the Federal Emergency Management Agency initiated a flood zone restudy of the Stockton area. Draft Flood Insurance Rate Maps were released delineating a larger 100-year flood plain than previously recorded, affecting approximately 251,000 residents.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	Construction
Estimated Federal Cost	\$33,500,000
Estimated Non-Federal Cost	\$11,200,000
Cash	\$11,200,000
Other	\$ 0
Total Estimated Cost	\$44,700,000
Allocations thru FY 2008	\$22,872,000
Allocations for FY 2009	\$ 0
Allocation for FY 2010	\$ 484,000
Balance to Complete after FY 2010	\$10,144,000
Benefit to Cost Ratio @ 7%	2.7

FY2010 ACTIVITIES: Continue reimbursement to San Joaquin Area Flood Control Agency (SJAFCA).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable completion of reimbursement by FY 2010.

OTHER INFORMATION: WRDA 2007 directs the Corps to re-evaluate the eligibility of Lower Mosher Slough and Upper Calaveras River elements of the project for possible reimbursement. An initial reimbursement of \$7,000,000 was made on 21 March 2002. Additional reimbursements were made as follows: \$3,000,000 in 2002, \$3,000,000 in 2003, \$1,380,000 in 2004, \$2,218,000 in 2005, \$4,875,000 in 2006 and \$1,051,000 in 2007. \$450,000 will be reimbursed in 2010 for a total to date of \$22,974,000. Remaining balance to be reimbursed is \$10,162,000.

CONGRESSIONAL INTEREST: McClintock (CA-4); McNerney (CA-11); Cardoza (CA-18); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Terminus Dam, Kaweah River, California

AUTHORIZATION: WRDA 1996 (P.L. 104-303), Sec. 101(b)(5); WRDA 1999 (P.L. 106-53), Sec. 307; EWDA 2003 (P.L. 108-7), Sec. 110; WRDA 2007 (P.L. 110-14), Sec. 3030, as modified by Consolidated Appropriations Act 2008 (P.L. 110-161), Sec. 128

LOCATION: The project is located within the Tulare Lake Basin in the southeastern portion of the San Joaquin Valley between the cities of Fresno and Bakersfield, CA.

DESCRIPTION: The Kaweah River drains about 560 square miles from the Sierra Nevada Mountains into Lake Kaweah (Terminus Dam). Terminus Dam was completed in 1962, and has provided limited flood protection to Visalia and other rapidly developing urban areas along the Kaweah River. The December 1966 rain flood caused about \$1M in damages below the dam. The most recent flooding in 1983 caused extensive and widespread damage to properties in the Tulare lakebed area where losses were estimated at \$17.6M. Lake Kaweah was enlarged by 42,600 acre-feet by raising the spillway 21 feet, thereby providing additional flood control and water conservation space.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	<u>Construction</u>
Estimated Federal Cost	\$35,469,000
Estimated Non-Federal Cost	\$23,796,000
Cash	\$ 2,686,000
Other	\$21,110,000
Total Estimated Cost	\$59,265,000
Allocation thru FY 2008	\$33,872,000
Allocation for FY 2009	\$ 957,000
Allocation for FY 2010	\$ 640,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	1.79

FY 2010 ACTIVITIES: Funds are being used to repair damages from spillway enlargement, correct weir seepage, continue high pool inspection program, continue endangered mitigation site monitoring, and finalize vernal pool estimates and credits.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: Enlargement of the spillway at the dam on Lake Kaweah resulted in the drying up of vernal pools in the Tulare area. According to the Biological Assessment bank credits were to be purchased to compensate for the vernal pools. This has not been done and purchase of mitigation credits for vernal pools through a mitigation bank will be required prior to turning the project over to the sponsor. Project cost estimate is being updated to reflect an anticipated increase of \$2 million for mitigation credits.

CONGRESSIONAL INTEREST: Radanovich (CA-19); Costa (CA-20); Nunes (CA-21); McCarthy (CA-22); Senators Feinstein and Boxer

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Tucson Drainage Area, Arizona

AUTHORIZATION: Flood Control Act, 1938, WRDA 1999, Section 101(a)(5); WRDA 2007, 3009

LOCATION: The project is located within the 12-mile-reach of the Tucson Arroyo/Arroyo Chico watershed within the city of Tucson, Pima County, Arizona.

DESCRIPTION: The recommended plan consists of two detention basin complexes – one referred to as the Randolph Golf Course Detention Basin in the upstream part of the watershed (completed by Pima County in May 1996 in accordance with a Section 104 agreement,) and the second referred to as Park Avenue Basin complex in the center of the watershed.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$ 46,782,000
Estimated Non-Federal Cost	\$ 30,577,000
Cash	\$ 24,462,000
Other	\$ 6,115,000
Total Estimated Cost	\$ 77,359,000
Allocation thru FY 2008	\$ 23,506,000
Allocation for FY 2009	\$ 400,000
Allocation for FY 2010	\$ 5,000,000
Balance to Complete after FY 2010	\$ 17,876,000
Benefit to Cost Ratio @ 7%	0.52

FY 2010 ACTIVITIES: Funds are being used to continue construction on Park Ave Detention Basins Complex.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable Construction phase completion in FY 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Pastor (AZ-4); Grijalva (AZ-7); Gifford (AZ-8), Senator Kyl

DISTRICT: Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Upper Guadalupe River, California

AUTHORIZATION: Water Resources Development Act of 1999, P. L. 106-53, § 101(a)(9), 113 Stat. 269; Water Resources Development Act of 2007, P. L. 110-114, § 3037; 121 Stat. 1041.

LOCATION: The project area is located along the Upper Guadalupe River, in the city of San Jose, Santa Clara County. The project area begins at the southern edge of downtown San Jose and extends south for approximately five miles.

DESCRIPTION: The project is a continuation of two already constructed downstream flood protection projects. Project features include channel widening, a bypass channel, and construction of levees and floodwalls which could remove up to 7,500 structures from the pre-project 100 year floodplain. The project also creates habitat for native vegetation and listed salmonid species and will complete a recreational trail which links to downtown San Jose and the South San Francisco Bay.

<u>SUMMARIZED FINANCIAL DATA:</u>		FY 2010
<u>Estimated Federal Cost</u>		Construction
Estimated Non-Federal Cost		\$136,700,000
Cash		\$119,300,000
Other		\$ 22,524,000
Total Estimated Cost		\$ 96,776,000
Allocation thru 2008	\$	7,896,000
Allocation for FY 2009		\$ 2,841,000
Allocation for FY 2010		\$ 921,000
Balance to Complete after FY 2010		\$125,042,000
Benefit to Cost Ratio @ 7%		1.10

FY 2010 ACTIVITIES: Complete construction for first mitigation reach 10B Update Environmental Documentation and Studies. Complete Design of second and final mitigation reach, Reach 12.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimal funding, entire project could be constructed by 2018. Note the amount of construction occurring each year is limited by environmental regulations.

CONGRESSIONAL INTEREST: McNerney (CA-11), Eshoo (CA-14), Honda (CA-15), Lofgren (CA-16)

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Yuba River, California

AUTHORIZATION: WRDA 1999 (P.L. 106-53), Sec 101 (a) (10); WRDA 2007 (P.L. 110-114), Sec. 3041

LOCATION: Yuba River lies between the Feather and American Rivers in northern California. The project is located in Sutter and Yuba Counties approximately 50 miles north of Sacramento. The principal urban centers within the project area include Marysville, Yuba City, Linda and Olivehurst.

DESCRIPTION: Recommended project, which lies downstream of Daguerre Point Dam and Yuba goldfields, would include levee improvements including installation of slurry walls, constructing landside berms, toe drains, and levee raising along the Yuba and Feather Rivers. The area has experienced 7 major floods. Despite modifications for flood protection over past years, the area is still vulnerable to catastrophic flooding as demonstrated by floods of February 1986 and January 1997. Damages were estimated at \$95 million and \$82.4 million, respectively.

	FY2010
<u>SUMMARIZED FINANCIAL DATA:</u>	Construction
Estimated Federal Cost	\$ 70,000,000
Estimated Non-Federal Cost	\$ 37,700,000
Cash	\$ 9,000,000
Other	\$ 28,700,000
Total Estimated Cost	\$107,700,000
Allocation for FY 2008	\$ 6,438,000
Allocation for FY 2009	\$ 3,110,000
Allocation for FY 2010	\$ 1,938,000
Balance to Complete after FY 2010	\$ 58,514,000
Benefit to Cost Ratio @ 7%	2.4

FY 2010 ACTIVITIES : Funds are being used to continue the General Reevaluation Report (GRR) and complete an alternatives analysis leading to the Alternatives Formulation Briefing Conference in the early part of calendar year 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Spring 2011 for Chief's Report.

OTHER INFORMATION: The Three Rivers Levee Improvement Authority has completed construction of flood damage reduction features and will be seeking Federal reimbursement.

CONGRESSIONAL INTEREST: Herger (CA-2), Lungren (CA-3), Senators Feinstein and Boxer

DISTRICT: Sacramento

Date: 11 January 2010

Continuing Authorities Program

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 205
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT: Borrego Springs, CA

AUTHORIZATION: Flood Control Act of 1948, Section 205

LOCATION: San Diego County, CA

DESCRIPTION: The purpose of this project is to provide a feasibility study to determine an appropriate solution to the severe property damage suffered as a result of seasonal rain flooding in the Borrego Springs community.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$300,000
Estimated Non-Federal Cost	\$200,000
Cash	\$200,000
Other	\$ 0
Total Estimated Cost	\$500,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$100,000
Allocation for FY 2010	\$200,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	

FY 2010 ACTIVITIES: Carry-over funds of \$74,000 plus allocation will be used to complete the Detailed Project Report (DPR), thereby finishing the feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Current funding will enable completion of the feasibility phase in early FY 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman **Hunter** (CA-52)

DISTRICT: Los Angeles

DATE: 11 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 14
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: City Creek, Highland, CA

AUTHORIZATION: Flood Control Act of 1948, Section 14

LOCATION: San Bernardino County, CA

DESCRIPTION: This critical project consists of protecting, in-place, the existing 78-inch pressure water line. Several public water supply agencies serving millions of people throughout San Bernardino, Riverside, and San Diego Counties rely on this section of the pipeline to convey water for various uses.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$445,000
Estimated Non-Federal Cost	\$345,000
Cash	\$345,000
Other	\$ 0
Total Estimated Cost	\$790,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$100,000
Allocation for FY 2010	\$345,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Carry-over funds of \$31,000 plus allocation will be used to complete the Detailed Project Report (DPR), thereby finishing the feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman **Lewis** (CA-41)

DISTRICT: Los Angeles District

DATE: 11 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 103
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Goleta Beach, CA

AUTHORIZATION: River & Harbor Act of 1962, Section 103, (PL 79-727)

LOCATION: Located on the Santa Barbara County Coastline, 10 mile west of the City of Santa Barbara

DESCRIPTION: Goleta Beach has and continues to suffer from severe erosion of the protective beach causing increased risk of catastrophic damage during coastal storms which impact use and visitation. Additionally, the loss of beach width has degraded the recreational value of the beach area.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	FY 2010
	<u>Feasibility</u>	<u>Design & Implementation</u>
Estimated Federal Cost	\$430,000	\$ 2,000,000
Estimated Non-Federal Cost	\$330,000	\$ 1,077,000
Cash	\$330,000	\$ 1,077,000
Other	\$ 0	\$ 0
Total Estimated Cost	\$760,000	\$ 3,077,000
Allocation thru FY 2008	\$180,000	\$ 0
Allocation for FY 2009	\$ 0	\$ 0
Allocation for FY 2010	\$250,000	\$ 50,000
Balance to Complete after FY 2010	\$ 0	\$ 1,950,000
Benefit to Cost Ratio @ 7% N/A	N/A	

FY 2010 ACTIVITIES: Carry-over funds of \$67,000 plus allocation of \$300,000 are being used to complete the Detailed Project Report (DPR), thereby completing the feasibility phase. For the Design & Implementation Phase, \$50,000 will be used to negotiate the Project Partnership Agreement and initiate design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010 (Feasibility)

OTHER INFORMATION: Early alternatives indicated that the project cost would exceed the Section 103 project limit. Sponsors requested (through their Congressional representatives) that the study be converted from the Continuing Authorities Program (CAP) to the Investigations program. However, since that date other CAP alternatives have been developed that will not exceed the project limit. The sponsor and the Corps have agreed to the selection of a CAP alternative.

CONGRESSIONAL INTEREST: Congresswoman **Capps** (CA-2 3); Senators **Boxer** and **Feinstein**

DISTRICT: Los Angeles

DATE: 11 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 205
Enacted Studies and Projects

BUSINESS PROGRAM: Flood and Coastal Storm Damages Reduction

PROJECT NAME: Las Gallinas Creek (Santa Venetia), CA

AUTHORIZATION: Flood Control Act of 1948, Section 205

LOCATION: The study area is located east of Highway 101 in the Santa Venetia area of Marin County, about 10 miles north of San Francisco.

DESCRIPTION: Las Gallinas Creek is vulnerable to extreme high tides and heavy storm runoff. The existing levee system protects over 800 homes in the Santa Venetia area and signs of erosion and scouring are evident. A Section 205 Initial Appraisal was initiated with the first \$100K and to determine Federal interest, the remaining feasibility effort is being cost shared 50% Federal and 50% Non-Federal. Sponsor is the Marin County Flood Control and Water Conservation District.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$ 1,100,000
Estimated Non-Federal Cost	1,000,000
Cash	30,000
Other	970,000
Total Estimated Cost	\$2,100,000
Allocation thru FY 2008	\$ 386,000
Allocation for FY 2009	0
Allocation for FY 2010	170,000
Balance to Complete after FY 2010	544,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete the without-project conditions: Coastal analysis and hydraulic analysis contract will be awarded December 2009; Geotech investigation results provided by the sponsor will be reviewed in February 2010; Complete the economic analysis and determine whether there is federal interest to lead us into Phase II (With-project conditions). If needed, commencing Phase II will require a new FCSA with the sponsor.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY10 is the earliest attainable FY for the Phase I Study.

OTHER INFORMATION: If economic analysis demonstrates federal interest, then we will either enter a new FCSA with the sponsor or amend the existing FCSA to reflect the scope of work for Phase II. In Phase II, the scope will incorporate sea-level change considerations as outlined in EC 1165-2-211.

CONGRESSIONAL INTEREST: Woolsey CA - 6

DISTRICT: San Francisco

DATE: 24 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 103
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Pismo Beach, CA

AUTHORIZATION: River & Harbor Act of 1962, Section 103, (P.L.79-727)

LOCATION: Situated in the Upper Reach of San Luis Bay which is hook-shaped shoreline that extends south from Port of San Luis to the county line for 21 miles.

DESCRIPTION: Shoreline retreat has progressed along the bluffs at four locations within Pismo Beach and they are: Seacliff Drive (Memory Park), Ocean Boulevard, Price Street (Shelter Cove Lodge to Shore Cliff Lodge), and Cypress Street Bluff. At each area, recession has jeopardized existing street rights-of-way, infrastructure, and public improvements. Geotechnical protection measures instituted at the base of the bluffs along each of the reaches will stabilize the cliff from long term ocean derived erosion. Impact of erosion caused by wave action will be analyzed and a plan for corrective action will be developed.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$ 700,000
Estimated Non-Federal Cost	\$ 600,000
Cash	\$ 600,000
Other	\$ 0
Total Estimated Cost	\$1,300,000
Allocation thru FY 2008	\$ 337,000
Allocation for FY 2009	\$ 313,000
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Carry-over funds of \$123,000 plus allocation will be used to completed the Detailed Project Report (DPR), thereby completing feasibility.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: This area was studied in 2002 and no viable federal project was found; however, since that time erosion at Pismo Beach has accelerated significantly, resulting in road closures and utility relocations.

CONGRESSIONAL INTEREST: Congressman **Capps** (CA-23)

DISTRICT: Los Angeles

DATE: 11 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 205
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: San Pedro Creek, Pacifica, CA

AUTHORIZATION: Flood Control Act of 1948, Section 205

LOCATION: The project is located in the Linda Mar area of the City of Pacifica just south of San Francisco, California, on the Pacific coast.

DESCRIPTION: A portion of the project was constructed in three phases between August 2000 and December 2002. The Eastern and Western Wetland were constructed to include a more naturally meandering channel. An earthen berm was constructed on the northern side of the project to protect the Linda Mar Shopping Center. Caltrans is planning work on the Highway 1 Bridge. Final real estate crediting was completed in September 2006.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Design/Implementation</u>
Estimated Federal Cost	\$6,363,000
Estimated Non-Federal Cost	5,814,000
Cash	609,000
Other	5,205,000
Total Estimated Cost	\$ 12,177,000
Allocation thru FY 2008	\$ 5,850,000
Allocation for FY 2009	143,000
Allocation for FY 2010	345,000
Balance to Complete after FY 2010	25,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES:

For the already constructed portion of the project-- Verify federal and non-federal expenditures to date including approving real estate appraisals and beginning the remaining lands, easements, rights-of-way, utility or public facility relocations and dredged or excavated material disposal areas (LERRDS). Complete Letter Report documenting the status and justification of the built project. Write the Draft O&M Manual for the built portion and turn over to non-federal sponsor. For final unconstructed portion of project: award mod to go from 65% to 95% design pending adequate funding.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Miller CA-07

DISTRICT: San Francisco

DATE: 24 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 205
Enacted Studies and Projects

BUSINESS PROGRAM: Flood and Coastal Storm Damage Reduction

PROJECT NAME: White Slough, CA

AUTHORIZATION: Flood Control Act of 1948, Section 205

LOCATION: The study area is located at White Slough, in Vallejo, Solano County, California. White Slough is situated between the Napa River and the City of Vallejo, and is bisected by Highway 37.

DESCRIPTION: The recommended plan would provide 100-year tidal and fluvial flood protection in the study area by utilizing White Slough as a detention basin for floodwaters from Austin Creek during the winter months. Placement of flap gates on the enlarged culverts under Highway 37 would allow for increased tidal exchange in White Slough during the dry season.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
	<u>Design & Implementation</u>
Estimated Federal Cost	\$ 6,467,000
Estimated Non-Federal Cost	3,482,000
Cash	2,470,000
Other	1,012,000
Total Estimated Cost	\$ 9,949,000
Allocation thru FY 2008	\$ 2,423,000
Allocation for FY 2009	125,000
Allocation for FY 2010	152,000
Balance to Complete after FY 2010	3,767,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete Plans and Specifications for the complete construction project. Complete Environmental Assessment and execute Independent Technical Review of Plans and Specifications.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2013

OTHER INFORMATION: The design firm's construction cost estimate at 95% submittal in March 2008 was \$12,288,992. In June 2008 the Corps conducted a Value Engineering (VE) study. The design firm is currently incorporating numerous VE recommendations to reduce the construction cost. However, they are also raising the levees and floodwalls in order to meet FEMA freeboard requirements for Federal levee systems. Even with incorporation of the VE proposals, the overall construction cost of the project will likely exceed the Federal limit. The non-Federal Sponsor will pursue project specific authorization in the next WRDA.

CONGRESSIONAL INTEREST: Miller CA-07

DISTRICT: San Francisco

DATE: 24 December 2009

NAVIGATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

STUDY NAME: Humboldt Bay Long-Term Shoal Management Study, CA

AUTHORIZATION: Flood Control Act of 1970, Pub. L. No. 91-611, § 216, 84 Stat. 1818, 1830; House Resolution, September 23, 1982.

LOCATION: The Port of Humboldt Bay is 280 miles north of San Francisco, CA.

DESCRIPTION: Navigation improvements for increased shoaling due to deepening in 2000.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 1,500,000
Estimated Non-Federal Cost	\$ 1,500,000
Cash	\$(0)
Other	\$(1,500,000)
Total Estimated Cost	\$ 3,000,000
Allocation thru FY 2008	\$ 174,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$ 1,236,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Sponsor is pursuing State financial support through legislative process. If state funding support is secured, FY10 activities will revise Project Management Plan, and sign Feasibility Cost Sharing Agreement scheduled in October 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility study completion in FY 2014.

OTHER INFORMATION: Sponsor will seek State funding support in FY10 legislative cycle for cost sharing the study.

CONGRESSIONAL INTEREST: Thompson (CA-01)

DISTRICT: San Francisco

DATE: 23 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

STUDY NAME: Redwood City Harbor (Deepening), CA

AUTHORIZATION: House Committee on Transportation and Infrastructure Resolution Docket 2511, adopted 7 May 1997, (read to the House and transmitted to Committee on Appropriations at 143 Cong. Rec. H. 3197, 105th Congress).

LOCATION: The study area is located in San Mateo County, about 20 miles south of San Francisco at the mouth of Redwood Creek, California.

DESCRIPTION: The proposed study will address deepening the project to a greater depth than the authorized depth of 30 feet.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$ 2,500,000
Estimated Non-Federal Cost	\$ 2,500,000
Cash	\$(2,335,000)
Other	\$(165,000)
Total Estimated Cost	\$ 5,000,000
Allocation thru FY 2008	\$ 199,000
Allocation for FY 2009	\$ 143,000
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$ 2,068,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Initiate contracts to collect data for without project conditions including hydro-surveys, geotechnical investigations, and vessel characterization. Prepare environmental documentation and hold public meeting.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility study completion in FY 2013 and accelerated funding would allow for study completion in FY2012.

OTHER INFORMATION: The Port has expressed financial capability and a strong desire to pursue and accelerate deepening. New larger vessels, which currently call on the port, require more than the authorized depth. These vessels are forced to light load and top off at other ports, adding to the cost of calling on the port.

CONGRESSIONAL INTEREST: Speier (CA-12), Eshoo (CA-14)

DISTRICT: San Francisco

DATE: 23 December 2009

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME: Port of Los Angeles (LA Harbor Channel Deepening), CA

AUTHORIZATION: WRDA 1986, Section 203, WRDA 2000, Section 101(b)(5)

LOCATION: The project is located at the Port of Los Angeles on the coast of southern California in San Pedro Bay, approximately 25 miles south of downtown Los Angeles.

DESCRIPTION: The project consists of deepening the main channel from the current -45ft to -53ft. Approximately 12 million CY of dredge material will be disposed of at in-harbor disposal sites: Southwest Slip, Pier 300 Expansion, Cabrillo Shallow Water Habitat Expansion and Submerged Site Material Storage at Pier 400. Deepening the channel will improve the efficiency of operations and reduce the costs for transporting containers to the region.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
<u>Estimated Federal Cost</u>	Construction
Estimated Federal Cost	\$ 61,536,000
Estimated Non-Federal Cost	\$163,526,000
Cash	\$163,526,000
Other	0
Total Estimated Cost	\$225,062,000
Allocation thru 2008	\$ 59,815,000
Allocation for FY 2009	\$ 885,000
Allocation for FY 2010	\$ 836,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ 7%	3.2

FY 2010 ACTIVITIES: Plans and Specs for a modified project have been developed and new disposal locations have been identified and approved. A request for proposal will be sent out to the contractor and construction should begin again in mid February.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: August 2011.

OTHER INFORMATION: A Project Cooperation Agreement (PCA) amendment is being routed through the district to be approved by SPD.

CONGRESSIONAL INTEREST: Harman (CA-36), Rohrabacher (CA-46), Roybal-Allard (CA-34), Senators Boxer and Feinstein

DISTRICT: Los Angeles

DATE: 11 January 2010

Continuing Authorities Program

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 107
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME: Oyster Point Harbor, CA

AUTHORIZATION: Rivers and Harbors Act of 1960, Section 107

LOCATION: Oyster Point Marina/Park is a 600 berth recreational and commercial marina approximately 10 miles south of San Francisco, two miles north of San Francisco International Airport, and adjacent to multiple biotechnology firms and business parks.

DESCRIPTION: A concrete breakwater currently protects the Marina; however, there is a need to modify the entrance of the harbor to provide safe navigation for current tenants of the marina, as well as dinner cruise boats and a commuter ferry expected to begin service in 2008 or 2009. The ferry is expected to provide NED benefits, reduce traffic and pollution impacts in the Bay Area, and could serve as a vital transport link for citizens and supplies to and from San Francisco Airport in the event of a regional or local emergency.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	FY2010
	<u>Feasibility</u>	<u>Design/Implementation</u>
<u>Estimated Federal Cost</u>	\$ 697,000	\$2,150,000
Estimated Non-Federal Cost	597,000	538,000
Cash	451,000	525,000
Other	146,000	13,000
Total Estimated Cost	\$1,294,000	\$2,688,000
Allocation thru FY 2008	\$ 697,000	\$2,100,000
Allocation for FY 2009	0	0
Allocation for FY 2010	0	50,000
Balance to Complete after FY 2010	0	0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: FY10 funds will be used for a wave attenuation design and preparation of wave attenuation P&S for secondary phase of project. Construction Contract award for wave attenuation is targeted for September 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: D&I phase will be complete in FY11 with non-Federal funds.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Lantos CA-12

DISTRICT: San Francisco

DATE: 24 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 107
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME: Port Hueneme, CA

AUTHORIZATION: Rivers and Harbors Act of 1960, Section 107

LOCATION: Project area is located approximately 65 miles NW of Los Angeles in Ventura County, CA

DESCRIPTION: Project consists of deepening the inner harbor from -34 feet to -40 feet. Deepening the harbor will accommodate Panama-sized vessels which are currently unable to load to their maximum capacity; substantial savings in transportation costs will be realized by deepening the harbor.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>FY 2010</u> <u>Design & Implementation</u>
Estimated Federal Cost \$	7,000,000
Estimated Non-Federal Cost \$	2,333,000
Cash	\$ 2,333,000
Other	\$ 0
Total Estimated Cost \$	9,333,000
Allocation thru FY 2008	\$ 910,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 300,000
Balance to Complete after FY 2010	\$ 5,790,000
Benefit to Cost Ratio @ 7%	

FY 2010 ACTIVITIES: Carry-over funds of \$9,800,000 plus allocation will be used to execute the Project Partnership Agreement and complete design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: Slight delay in project due to Coastal Engineering needs dredge volume information from O&M study in order to develop final plans and specs.

CONGRESSIONAL INTEREST: Congressman **Capps** (CA-23)

DISTRICT: Los Angeles District

DATE: 11 December 2009

Operation and Maintenance

FACT SHEET
OPERATION AND MAINTENANCE

BUSINESS LINE: Navigation

PROJECT NAME: Crescent City Harbor, CA

AUTHORIZATION: River and Harbor Act of 1918, Pub. L. No. 65-200, 40 Stat. 904, 910; River and Harbor Act of 1935, Pub. L. No. 74-409, 49 Stat. 1028, 1038; River and Harbor Act of 1937, Pub. L. No. 75-392, 50 Stat. 844, 849; River and Harbor Act of 1945, Pub. L. No. 75-14, 59 Stat. 10, 21; River and Harbor Act of 1965, Pub. L. No. 89-298, § 301, 79 Stat. 1089

LOCATION: The project is located on the northern coast of California, about 350 miles north of San Francisco.

DESCRIPTION: Crescent City Harbor is a shallow-draft critical Harbor of Refuge, supporting a Coast Guard search and rescue station, commercial and sport fishing, and recreational boating. The operations and maintenance schedule provides for annual inspection and periodic repair of the Outer and Inner breakwaters, as well as 5-year cycle maintenance dredging.

<u>SUMMARIZED FINANCIAL DATA</u> :	FY 2010
<u>Estimated Federal Cost</u>	O&M
Estimated Federal Cost	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 1,575,000
Allocation for FY 2010	\$ 1,878,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Contract maintenance dredging of the Inner Basin Channel.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Thompson CA-01

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
OPERATION AND MAINTENANCE

BUSINESS LINE: Navigation

PROJECT NAME: Pinole Shoal Management Study, CA (Delta LTMS)

AUTHORIZATION: Energy and Water Development Appropriations Act of 2005 (Consolidated Appropriations Act, 2005) Pub. L. 108-447 (2005)

LOCATION: The project area includes the northern San Francisco Bay and extends throughout the California Delta.

DESCRIPTION: The project will create a Long Term Management Strategy (LTMS) for the placement and re-use of dredge material in support of the USACE's deep draft navigation mission, levee repair and maintenance, wetland restoration and other beneficial uses.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
<u>Estimated Federal Cost</u>	O&M N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 230,300
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funding will be used to further the objectives of the Delta LTMS by establishment of a sediment management permitting office known as the Delta Dredging and Reuse Management Team. In addition, the facilitation contract will be funded for another six month period and the Technical Work Groups will continue to meet regularly.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Thompson CA-01, Lungren CA-03, Miller CA-07, Garamendi CA-10, McNerney CA-11, Cardoza CA-18

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
OPERATION AND MAINTENANCE

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: San Francisco Bay Long Term Management Strategy, CA

AUTHORIZATION: Energy and Water Development Appropriations Act of 1991, Pub. L. No. 101-514, 104 Stat. 2074, 2079.

LOCATION: The project area is the San Francisco Bay in California.

DESCRIPTION: Policy objectives of the Long Term Management Strategy (LT MS) are to identify an acceptable array of dredged material disposal sites, develop management, economic and environmental plans for these sites, implement decision making framework for site usage, streamline permit procedures, and establish long term site monitoring.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
Estimated Federal Cost	O&M N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$ 3,388,840
Allocation for FY 2010	\$ 3,500,000
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funding for Dredged Material Management Office labor in support of Long Term Management Strategy efforts; continued scientific research to validate "environmental dredging windows"; continued preparation of the Regional Dredged Material Management Plan/Environmental Impact Statement; continued study of the relationship of methylmercury generation to wetlands creation at Hamilton Wetlands Restoration site; and initiation of Regional Sediment Management studies.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Thompson CA-01, Lungren CA-03, Miller CA-07, Garamendi CA-10, McNerney CA-11, Cardoza CA-18

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
OPERATION AND MAINTENANCE

BUSINESS LINE: Navigation

PROJECT NAME: Redwood City Harbor, CA

AUTHORIZATION: Rivers and Harbors Act of 1910, Pub. L. No. 60-317, 35 Stat. 815, (1910); Rivers and Harbors Act of 1930, Pub. L. No. 71-520, 46 Stat. 918,931, (1930); Rivers and Harbors Act of 1935, Pub. L. No. 74-409, 49 Stat. 1028, 1038, (1935); Rivers and Harbors Act of 1945, Pub. L. No. 79-14, §2, 59 Stat. 10,13, (1945); Rivers and harbors Act of 1950, Pub. L. No. 81-516, § 101; 64 Stat. 163 (1950).

LOCATION: Redwood City Harbor is located in San Mateo County on San Francisco Bay.

DESCRIPTION: The project includes a main ship channel, with an authorized project depth of - 30 feet deep at Mean Lower Low Water, and two turning basins. Redwood City Harbor is a deep draft, high use port with recent commercial tonnage ranging from one to two million tons per year.

	FY 2010
<u>SUMMARIZED FINANCIAL DATA:</u>	O&M
<u>Estimated Federal Cost</u>	N/A
Estimated Non-Federal Cost	N/A
Cash	N/A
Other	N/A
Total Estimated Cost	N/A
Allocation thru FY 2008	N/A
Allocation for FY 2009	\$14,942,000 1/
Allocation for FY 2010	\$ 6,410,000 -
Balance to Complete after FY 2010	N/A
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$11,553,000 in Recovery Act Allocations to Date

FY 2010 ACTIVITIES : Funding will be used for routine condition surveys and to perform knockdown dredging as necessary to remove high spots in turning basin..

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: ARRA funds were used in FY 2009 to dredge to full project depth. Dredging will not be required in FY 2010 therefore some of the funds will be carried over for dredging in FY 2011, so that the material can be beneficially reused at Bair Island, when the next placement cell could be built

CONGRESSIONAL INTEREST: Lantos-12; Eshoo-14

DISTRICT: San Francisco

DATE: 11 January 2010

ENVIRONMENT

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Arroyo Seco Watershed, CA

AUTHORIZATION: Senate Public Works Committee Resolution, Document No. 838, June 25, 1969 (LACDA).

LOCATION: The study is located within the cities of La Canada-Flintridge, Pasadena, South Pasadena and Los Angeles, CA.

DESCRIPTION: The Arroyo Seco Watershed Restoration study will evaluate the potential for watershed management and environmental restoration opportunities within the Arroyo Seco Watershed. The result of this study will be a watershed management plan.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
<u>Estimated Federal Cost</u>	\$1,350,000
Estimated Non-Federal Cost	\$1,350,000
Cash	\$(680,000)
Other	\$(670,000)
Total Estimated Cost	\$2,700,000
Allocation thru FY 2008	\$ 493,000
Allocation for FY 2009	\$ 96,000
Allocation for FY 2010 1/	\$ 369,000 1/
Balance to Complete after FY 2010	\$ 392,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$145K reprogrammed to the study.

FY 2010 ACTIVITIES: Continue work towards baseline conditions report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility phase completion in FY 2010.

OTHER INFORMATION: Local residents and other interests have contacted the sponsor and congressional members wanting this study to progress faster.

CONGRESSIONAL INTEREST: **Drier** (CA-26), **Schiff** (CA-29), **Becerra** (CA-31), Royball-Allard (CA-34).

DISTRICT: Los Angeles

DATE: 22 December 2009

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Ballona Creek Restoration, CA

AUTHORIZATION: Section 216, Flood Control Act of 1970, Supplemental by HR 28 Sep 94

LOCATION: The study area encompasses approximately 2,120 acres near Marina del Rey, California about 20 miles southwest of the city of Los Angeles.

DESCRIPTION: The study will evaluate habitat restoration, improvements to water quality, trash mitigation, recreation, and related purposes along the lower reach of creek.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$2,338,000
Estimated Non-Federal Cost	\$2,338,000
Cash	\$(888,000)
Other	\$(1,450,000)
Total Estimated Cost	\$4,676,000
Allocation thru FY 2008	\$1,099,000
Allocation for FY 2009	\$ 249,000
Allocation for FY 2010	\$ 565,000 ^{1/}
Balance to Complete after FY 2010	\$ 425,000
Benefit to Cost Ratio @ 7%	NA

^{1/} Includes \$341K reprogrammed to the study.

FY 2010 ACTIVITIES: Continue feasibility to work towards the Baseline Conditions Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable completion of the feasibility phase by FY 2012.

OTHER INFORMATION: Ballona Creek provides a major open space in a highly developed and populated area. The area has been degraded by encroachment of non-native plants, trash accumulation and attempts at bank protection along the creek using rock and concrete.

CONGRESSIONAL INTEREST: **Harman** (CA-36), **Watson** (CA-33), **Roybal-Allard** (CA-34), **Waters** (CA-35)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Bolinas Lagoon Ecosystem Restoration, CA

AUTHORIZATION: House Committee on Transportation and Infrastructure, Dec. 20, 1996, 104th Congress, 2d Session, H.R. 104-871, House Resolution 2473.

LOCATION: The study area is located 15 miles northwest of San Francisco on the Pacific coastline in Marin County, CA, between the towns of Stinson Beach and Bolinas.

DESCRIPTION: Subtidal and intertidal habitats are being lost to sedimentation. The study will examine solutions that would restore and maintain a natural tidal prism configuration and tidal circulation in the lagoon.

	FY	2010
<u>SUMMARIZED FINANCIAL DATA:</u>		<u>Feasibility</u>
Estimated Federal Cost	\$3,250,000	
Estimated Non-Federal Cost	\$3,250,000	
Cash		\$(954,000)
Other		\$(2,296,000)
Total Estimated Cost	\$6,500,000	
Allocation thru FY 2008		\$1,853,000
Allocation for FY 2009		\$ 153,000
Allocation for FY 2010		\$ 90,000
Balance to Complete after FY 2010		\$1,154,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Feasibility activities include preparing Peer Review Plan, assessing federal interest in report entitled "Recommendations for Restoration and Management" prepared by Gulf of the Farallones National Marine Sanctuary Advisory Council, updating Project Management Plan, and executing an amendment to the Feasibility Cost Sharing Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility study completion in FY 2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Woolsey (CA-06)

DISTRICT: San Francisco

DATE: 23 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Espanola Valley, Rio Grande and Tributaries, New Mexico

AUTHORIZATION: Section 4 of the 1941 Flood Control Act (PL 77-228)

LOCATION: The study area is located within the Española Valley, in north central New Mexico, and includes the Pueblos of Ohkay Owingeh, Santa Clara, and San Ildefonso.

DESCRIPTION: The watershed study is a cooperative effort with the three Native American Pueblos of Ohkay Owingeh, Santa Clara, and San Ildefonso.

<u>SUMMARIZED FINANCIAL DATA:</u>	Feasibility	FY 2010
Estimated Federal Cost		\$ 2,800,000
Estimated Non-Federal Cost		\$ 2,800,000
Cash		\$ 0
Other		\$ 2,800,000
Total Estimated Cost		\$ 5,600,000
Allocation thru FY 2008		\$1,472,000
Allocation for FY 2009		\$ 382,000
Allocation for FY 2010		\$ 224,000
Balance to Complete After FY 2010		\$ 722,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Continue the feasibility study: identify management measures for alternatives, determine and begin habitat and hydraulic modeling.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable completion of the watershed study in FY 2013.

OTHER INFORMATION: The watershed study is a cooperative effort with the three Native American Pueblos of Ohkay Owingeh, Santa Clara, and San Ildefonso. The Pueblos will cost share and participate equally as the non-Federal sponsors for the watershed study. The primary purposes of the study are ecosystem restoration with ancillary flood risk management along the Rio Grande. Restoration features will improve and increase riparian woodland, riparian shrub, and emergent wetland habitat in the study area, including habitat of the endangered Rio Grande Silvery Minnow and the Southwestern Willow Flycatcher.

CONGRESSIONAL INTEREST: Lujan (NM-03)

DISTRICT: Albuquerque

Date: 10 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Hamilton City, CA

AUTHORIZATION: Flood Control Act of 1962 (P.L. 87-874), Sec 209; HR 8 May 64; WRDA 2007 (P.L. 110-114), Sec. 1001(8)

LOCATION: This project is in Glenn County, California, approximately 85 miles north of Sacramento.

DESCRIPTION: The project includes construction of 6.8 miles of setback levee to provide more reliable flood protection to the community and surrounding area, degradation of the existing "J" levee to allow for reconnection of the river to the natural floodplain, and restoration of about 1,500 acres of native habitat. The restoration work will benefit the recovery and stability of numerous Federal and State list species and provide a more natural river function. The new set back levee will perform at 3 distinct levels of flood damage reduction based on land use patterns. Urbanized areas will have greater reduction of flood damages and less developed areas will have lesser amount of flood damage reduction. From north to south, four and two-fifths miles of levee will provide a 90 percent confidence of passing a 75-year event (includes the Hamilton City proper); 1,000 feet of levee will provide a 90 percent confidence of passing a 35-year event; and 1.6 miles of levee will provide a 90 percent confidence of passing an 11-year event.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 PED
Estimated Federal Cost	\$2,881,000
Estimated Non-Federal Cost	\$ 960,000
Cash	\$ 960,000
Other	0
Total Estimated Cost	\$3,841,000
Allocation thru FY 2008	\$1,649,000
Allocation for FY 2009	\$ 832,000
Allocation for FY 2010	\$ 341,000
Balance to Complete after FY 2010	\$ 59,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Designs were completed in FY09. The project is on hold waiting for construction appropriations (construction new start).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: Designs were completed in FY09. The Project Partnership Agreement will be executed and construction initiated upon receipt of construction funds. WRDA 2007 authorized the project for construction.

CONGRESSIONAL INTEREST: Herger (CA-2); Senators Feinstein and Boxer

DISTRICT: Sacramento

DATE: 14 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Los Angeles River Ecosystem Restoration, CA

AUTHORIZATION: House Public Works & Transportation Committee Resolution,
11 Jun 69 (LACDA) Docket; WRDA 2007, Section 4018.

LOCATION: The Los Angeles River Ecosystem Restoration Study encompasses 32 miles of river within the City of Los Angeles. It extends from Canoga Park in San Fernando Valley to the southwestern quadrant of downtown Los Angeles.

DESCRIPTION: The Los Angeles River Ecosystem Restoration Study has many locations along the river where there is great potential for environmental and historic riparian habitat restoration. Potential projects may provide opportunities to restore environmental conditions, improve water quality, public access, open space and recreation. The potential projects will maintain or improve the current level of flood damage reduction benefits.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
Estimated Federal Cost	Feasibility \$4,650,000
Estimated Non-Federal Cost	\$4,650,000
Cash	\$(372,000)
Other	\$(4,278,000)
Total Estimated Cost	\$ 9,300,000
Allocation thru FY 2008	\$ 2,034,000
Allocation for FY 2009	\$ 478,000
Allocation for FY 2010	\$ 717,000
Balance to Complete after FY 2010	\$ 1,421,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue the Alternative Formulation Briefing and Public Draft Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility phase completion in FY 2012.

OTHER INFORMATION: The City is preparing a master plan that incorporates ecosystem restoration, economic redevelopment, residential structures and park space for active recreation. Any recommended Federal project will be centered on ecosystem restoration while preserving the same level of flood damage reduction. The Corps will not participate in elements of the sponsor's master plan concepts outside existing Corps missions.

CONGRESSIONAL INTEREST: **Sherman** (CA-27), **Schiff** (CA-29), **Waxman** (CA-30), **Becerra** (CA-31), **Watson** (CA-33), **Roybal-Allard** (CA-34).

DISTRICT: Los Angeles

DATE: 28 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Los Angeles River Watercourse Improvement, Headworks, CA

AUTHORIZATION: Senate Resolution, 25 Jun 69 (LACDA).

LOCATION: The study area is located in the southeastern portion of the San Fernando Valley, adjacent to the Los Angeles River in the City of Los Angeles near Burbank, CA.

DESCRIPTION: The Los Angeles River Watercourse Improvement study area encompasses approximately 43 acres of open space that has tremendous opportunity for ecosystem restoration. The study will investigate ecosystem restoration through creation of riparian and wetland habitat to result in a multi-objective project that includes improved water quality and passive recreation.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$1,525,000
Estimated Non-Federal Cost	\$1,525,000
Cash	\$(1,113,000)
Other	\$ (412,000)
Total Estimated Cost	\$3,050,000
Allocation thru FY 2008	\$467,000
Allocation for FY 2009	\$414,000
Allocation for FY 2010	\$332,000
Balance to Complete after FY 2010	\$312,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES : Complete Alternative Review Conference and Public Review of Draft Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase completion in FY 2012.

OTHER INFORMATION: The City of Los Angeles has listed this study as a priority in their funding requests and would like to see this study completed and implemented in conjunction with the other studies under the Los Angeles River Revitalization Master Plan. The study sponsor for Headworks is the City of Los Angeles, Department of Water and Power (LADWP). No action is likely without additional funding.

CONGRESSIONAL INTEREST: **Schiff** (CA-29)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Long Beach Breakwater, CA

AUTHORIZATION: Senate Resolution, 25 June 1969 (LACDA)

LOCATION: The study area is located offshore of the City of Long Beach, California in the easternmost part of San Pedro Bay. It includes the area between the Long Beach shoreline and the offshore Middle and Long Beach Breakwaters.

DESCRIPTION: The purpose of the study is to evaluate opportunities for providing ecosystem restoration, increased recreational opportunities and other improvements to the nearshore area off the City of Long Beach, within East San Pedro Bay.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Recon</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$90,000	\$3,500,000
Estimated Non-Federal Cost	\$ 0	\$3,500,000
Cash	\$ 0	\$2,660,000
Other	\$ 0	\$ 840,000
Total Estimated Cost	\$90,000	\$7,000,000
Allocation thru FY 2008	\$ 0	\$ 0
Allocation for FY 2009	\$ 0	\$ 0
Allocation for FY 2010	\$90,000	\$ 0
Balance to Complete after FY 2010	\$ 0	\$3,500,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Develop a draft 905(b) report and Project Management Plan (PMP) and previous work prepared by the City of Long Beach will be utilized to the greatest extent possible. If the 905(b) report is certified to be in accordance with Corps' policy, the remaining funds will complete the PMP and execute the Feasibility Cost Sharing Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2010

OTHER INFORMATION: The Long Beach Breakwater is a Federally owned and operated structure. The Breakwater prevents significant wave action and leaves most of the City's beach without surf. It also has negative impact on water quality. Several options exist for reconfiguring the Long Beach Breakwater ranging from removing certain sections to lowering its height.

CONGRESSIONAL INTEREST: **Richardson** (CA-37), **Rohrabacher** (CA-46)

DISTRICT: Los Angeles

DATE: 30 December 2009

FACT SHEET
 INVESTIGATIONS
 Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Middle Creek, CA

AUTHORIZATION: Flood Control Act of 1962 (P.L. 87-874), Sec. 209; WRDA 2007 (P.L. 110-114), Sec. 1001 (11)

LOCATION: The project is located in Lake County, approximately 80 miles north of San Francisco and is the main tributary into Clear Lake, the largest natural lake entirely within the borders of California.

DESCRIPTION: Potential projects would restore portions of the flood plain to a natural wetland ecosystem and provide flood damage reduction to the area. Restoration would contribute to the goals of the North American Waterfowl Management Plan.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility	FY 2010 PED
Estimated Federal Cost	\$ 844,000	\$2,400,000
Estimated Non-Federal Cost	\$ 844,000	\$ 800,000
Cash	\$ 844,000	\$ 800,000
Other	0	0
Total Estimated Cost	\$1,688,000	\$3,200,000
Allocation thru FY 2008	\$ 844,000	\$ 257,000
Allocation for FY 2009	\$ 0	\$ 191,000 1/
Allocation for FY 2010	\$ 0	\$ 99,000
Balance to Complete after FY 2010	\$ 0	\$1,853,000
Benefit to Cost Ratio @ 7%	N/A	N/A

1/ Funds reallocated from feasibility to PED.

FY 2010 ACTIVITIES: Complete Section 7, Coordination Act Report, update the Environmental Impact Statement price levels, and obtain a Record of Decision signature, which will complete the feasibility phase. Continue working on the PED phase and continue coordination with Lake County (the State is currently not participating in PED) and Robinson Rancheria to come to an agreement on Phase 3.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED is scheduled for completion in FY2013.

OTHER INFORMATION: The project was constructed by the Corps between 1958 and 1968 and included levee and channel improvements for flood protection for the town of Upper Lake and the surrounding agricultural land. This area was a significant wetland that provided natural biologic values including waterfowl habitat, water quality through filtering and trapping of sediments, and natural flood attenuation. The restoration project will minimize the impending health, water quality, and property damage issues that Lake County is facing. Sec. 1001(11) of the Water Resources Development Act of 2007 (PL 110-114) authorized the project for construction.

CONGRESSIONAL INTEREST: Thompson (CA-1); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 14 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Pima County, (Tres Rios Del Norte), AZ

AUTHORIZATION: Flood Control Act 1938 (Gila River & Tributaries), and House Resolution 2425, 17 May 1994

LOCATION: The project area is located in Pima County and encompasses the metropolitan area of Tucson, the second largest city in Arizona, town of Marana and unincorporated Pima County. The project is located along the Santa Cruz River downstream of the Paseo De Las Iglesias authorized project. This is separate from the Tres Rios, Arizona construction project which is located in Phoenix, Arizona and is on the Salt and Gila Rivers.

DESCRIPTION: The project will address environmentally degraded flood prone areas in conjunction with the Sonoran Desert Conservation Plan completed in October 1998. Up to 90 percent of riparian/wetland habitat lost in the southwest since the 1800's. 90 percent of desert species are dependent on riparian areas in the life cycle, over 166 species of birds nest there. Connects national park and forest and State lands from Mexico to the Gila River. Plan consists of six elements: riparian restoration, habitat, biological and ecological corridor conservation, critical and sensitive habitat preservation, mountain parks, ranch conservation, historic and cultural preservation.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility	FY 2010 PED
Estimated Federal Cost	\$4,074,000	\$ 8,931,000
Estimated Non-Federal Cost	\$3,897,000	\$ 2,977,000
Cash	\$3,897,000	\$ 2,977,000
Other	\$ 0	\$ 0
Total Estimated Cost	\$7,971,000	\$11,908,000
Allocation thru FY 2008	\$3,592,000	\$ 0
Allocation for FY 2009	\$ 249,000	\$ 0
Allocation for FY 2010	\$ 233,000 1/	\$ 0
Balance to Complete after FY 2010	\$ 0	\$ 8,931,000
Benefit to Cost Ratio @ 7%	N/A	N/A

1/ A portion of these funds will likely be carried over to FY 11 and used for PED.

FY 2010 ACTIVITIES: Funds are being used to complete the feasibility phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility phase completion in FY 2010.

OTHER INFORMATION: The recommended project, estimated to cost \$201.4 million with an estimated Federal cost of \$126.4 million and an estimated non-Federal cost of \$75 million, includes restoring and improving 1,402 acres of habitat including nationally significant cottonwood-willow, emergent wetlands, mesquite, and riparian scrub. In-channel features include grade control structures and bank stabilization.

CONGRESSIONAL INTEREST: Pastor (AZ-4), **Grijalva** (AZ-7), Gifford (AZ-8), Senator Kyl

DISTRICT: Los Angeles

DATE: 10 January 2010

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Prado Basin Environmental Restoration, CA

AUTHORIZATION: Flood Control Act of 1938, Santa Ana River Basin and Orange County (SARBOC) adopted by Resolution of Committee on Public Works, House, 8 May 64

LOCATION: Approximately 60 miles east of Los Angeles, Orange & Riverside Counties, CA

DESCRIPTION: Study will investigate the control of arundo and provide additional wetlands within Prado Basin by converting 200-300 acres of arundo to wetlands for water flow and migrating waterfowl habitat. Runoff from the dairy preserve upstream contributes high levels of salts and nitrates and adversely affects riparian and wetland habitat downstream.

<u>SUMMARIZED FINANCIAL DATA:</u>		FY 2010
		Study
Estimated Federal Cost		\$ 160,000
Estimated Non-Federal Cost		\$ 0
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	160,000
Allocation thru FY 2008		\$ 116,000
Allocation for FY 2009		\$ 0
Allocation for FY 2010		\$ 39,000
Balance to Complete after FY 2010		\$ 5,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Continue the reconnaissance phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Complete reconnaissance phase in 2012.

OTHER INFORMATION: The reconnaissance phase study recommended the split of two separate feasibility studies, Prado Basin Ecosystem Restoration Feasibility Study and Santa Ana River – Orange County, Chino Basin Environmental Restoration.

CONGRESSIONAL INTEREST: **Miller** (CA-42), **Baca** (CA-43)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Rio Salado Oeste, AZ

AUTHORIZATION: Flood Control Act 1938, Section 6 (Gila River & Tributaries), and House Resolution 2425, 17 May 1994; WRDA 2007, Sec 1001(5)

LOCATION: The project area is located along 8 miles of the Salt River, from 19th Avenue to 83rd Avenue, downstream (West or Oeste) of the ongoing Rio Salado project.

DESCRIPTION: The recommended plan includes restoration of nearly 1,500 acres of riparian and floodplain habitat with recreation and incidental flood damage reduction.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 PED
Estimated Federal Cost	\$ 4,875,000
Estimated Non-Federal Cost	\$ 1,625,000
Cash	\$ 1,625,000
Other	\$ 0
Total Estimated Cost	\$ 6,500,000
Allocation thru FY 2008	\$ 295,000
Allocation for FY 2009	\$ 1,434,000
Allocation for FY 2010	\$ 1,500,000
Balance to Complete after FY 2010	\$ 1,646,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds are being used to initiate Design Document Report and plans and specifications for Phase I.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable PED phase completion in FY 2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: **Pastor** (AZ-4), Senators Kyl and McCain (AZ)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Santa Ana River, Regional Sediment Management Plan, CA

AUTHORIZATION: Santa Ana River Basin & Orange County (SARBOC) adopted by Resolution of Committee on Public Works, House: 8 May 64

LOCATION: The study area is located in San Bernardino County, (Santa Ana River and Tributaries including City Creek, Warm Creek, Mission Zanja Creek, Santiago Creek, and others) in the vicinity of the City of San Bernardino, CA.

DESCRIPTION: The study will investigate opportunities for regional sediment management and other related purposes.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Recon</u>	FY 2010 <u>Feas</u>
Estimated Federal Cost	\$148,000	\$1,750,000
Estimated Non-Federal Cost	\$ 0	\$1,750,000
Cash	\$ 0	\$1,750,000
Other	\$ 0	\$ 0
Total Estimated Cost	\$148,000	\$3,500,000
Allocation thru FY 2008	\$ 98,000	\$ 0
Allocation for FY 2009	\$ 50,000	\$ 0
Allocation for FY 2010	\$ 0	\$ 0
Balance to Complete after FY 2010	\$ 0	\$ 0
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete the Project Management Plan (PMP) and execute a Feasibility Cost Sharing Agreement (FCSA).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding for feasibility phase would enable completion by FY 2012.

OTHER INFORMATION: The 905b report approved in February 2009, recommended 10 feasibility studies. The PMP and FCSA were completed for the Santa Ana River, City of Yucaipa, previously named Santa Ana River and Tributaries Ecosystem Restoration. FY 2009 carryover funds will be used to complete the PMP for the spin-off study, Santa Ana River, Regional Sediment Management Plan.

CONGRESSIONAL INTEREST: **Lewis** (CA-41)

DISTRICT: Los Angeles

DATE: 29 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Santa Ana River, City of Yucaipa, CA

AUTHORIZATION: Santa Ana River Basin & Orange County (SARBOC) adopted by Resolution of Committee on Public Works, House: 8 May 64

LOCATION: The study area is located in San Bernardino County, (Santa Ana River and Tributaries including City Creek, Warm Creek, Mission Zanja Creek, Santiago Creek, and others) in the vicinity of the City of San Bernardino, CA.

DESCRIPTION: The study will investigate opportunities for habitat enhancement, water supply and conservation, recreation and other related purposes.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	FY 2010
	Recon	Feas
Estimated Federal Cost	\$ 203,000	\$3,778,000
Estimated Non-Federal Cost	\$ 0	\$3,778,000
Cash	\$ 0	\$3,392,000
Other	\$ 0	\$ 386,000
Total Estimated Cost	\$ 203,000	\$7,556,000
Allocation thru FY 2008	\$ 98,000	\$ 197,000
Allocation for FY 2009	\$ 105,000	\$ 163,000
Allocation for FY 2010	\$ 0	\$ 550,000
Balance to Complete after FY 2010	\$ 0	\$2,868,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Initiate baseline conditions and finalize Project Management Plan (PMP) for spin-off study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable completion of feasibility phase by FY 2012.

OTHER INFORMATION: The 905b report approved in February 2009 recommended 10 feasibility studies. The PMP and FCSA were completed for the Santa Ana River, City of Yucaipa, previously named Santa Ana River and Tributaries Ecosystem Restoration. FY 2009 carry over funds will be used to complete Project Management Plan for spin-off study, Santa Ana River, Regional Sediment Management Plan and to complete field investigations as part of the F3 for Yucaipa.

CONGRESSIONAL INTEREST: **Lewis** (CA-41)

DISTRICT: Los Angeles

DATE: 29 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Santa Clara River Watershed, CA

AUTHORIZATION: Resolution by the Committee on Public Works, June 18, 1963; Public Law 406, 75th Congress, approved August 28, 1937

LOCATION: The Santa Clara River watershed is approximately 1,600 square miles and encompasses portions of Ventura and Los Angeles Counties.

DESCRIPTION: The study will address problems and needs associated with flooding and ecosystem restoration. Key elements of the study are to develop mathematical models for hydrologic, hydraulic and sediment conditions within the watershed. Problems and opportunities will be developed and awarded in a watershed perspective. The product of this effort is a watershed management plan.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$ 4,050,000
Estimated Non-Federal Cost	\$ 4,050,000
Cash	\$ (140,000)
Other	\$(3,910,000)
Total Estimated Cost	\$8,100,000
Allocation thru FY 2008	\$1,919,000
Allocation for FY 2009	\$ 319,000
Allocation for FY 2010	\$511,000 1/
Balance to Complete after FY 2010	\$1,301,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$130,000 reprogrammed to the study.

FY 2010 ACTIVITIES: Continue baseline technical analysis for 1600 square miles of watershed, including hydrology and hydraulics and sediment transport modeling for approximately 80 miles of the Santa Clara River mainstem (361 total river miles with tributaries).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility phase completion in FY 2012.

OTHER INFORMATION: Limited funding for this study continues to slow study progress. Most of the ongoing efforts are focused on project coordination. The sponsors have an urgent need to complete this study.

CONGRESSIONAL INTEREST: **Capps** (CA-23), **Gallegly** (CA-24), **McKeon** (CA-25)

DISTRICT: Los Angeles

DATE: 23 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT/STUDY NAME: Santa Ana River and Tributaries, Big Bear Lake, CA

AUTHORIZATION: Santa Ana River Basin & Orange County (SARBOC) adopted by Resolution of Committee on Public Works, House: 8 May 64

LOCATION: The study area is located in the San Bernardino Mountains, San Bernardino County, near the headwaters of the Santa Ana River.

DESCRIPTION: Increased sedimentation deposits and invasive species have caused excessive noxious aquatic plant growth that contributed to shallow conditions and water quality issues. Significant marsh, meadow and riparian habitat that existed in the basin historically has nearly disappeared. The study will address this broad range of issues and solutions for restoration of aquatic, riparian and marsh habitat for fish and wildlife.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$4,805,000
Estimated Non-Federal Cost	\$4,805,000
Cash	\$ 0
Other	\$4,805,000
Total Estimated Cost	\$9,610,000
Allocation thru FY 2008	\$3,773,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 577,000
Balance to Complete after FY 2010	\$ 455,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Conduct Alternative Review Conference certify habitat model and begin work on the Alternative Formulation Workshop process. Update the study cost and cost sharing.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility phase completion in FY 2012.

OTHER INFORMATION: Costs have increased from \$8.7M to \$9.6M due to funding delays, changes in study scope, mandated model certification and independent external review requirements.

CONGRESSIONAL INTEREST: **Lewis** (CA-41)

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Sun Valley Watershed, CA

AUTHORIZATION: House Public Works & Transportation Committee Resolution dated 11 June 1969. (LACDA).

LOCATION: The Sun Valley watershed study area is adjacent to the Tujunga Wash watershed in Sun Valley on the east side of the San Fernando Valley near Los Angeles, CA.

DESCRIPTION: The Sun Valley watershed study has potential Federal interest in the Tujunga Wash Environmental Restoration 9 05(b) Reconnaissance report. The study will evaluate the potential for environmental restoration and flood damage reduction within the Sun Valley Watershed.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$1,250,000
Estimated Non-Federal Cost	\$1,250,000
Cash	\$(740,000)
Other	\$(510,000)
Total Estimated Cost	\$2,500,000
Allocation thru FY 2008	\$ 422,000
Allocation for FY 2009	\$ 143,000
Allocation for FY 2010	\$ 314,000
Balance to Complete after FY 2010	\$ 371,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Continue baseline conditions report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable feasibility phase completion in FY 2012.

OTHER INFORMATION: The Ventura County Water Protection District (VCWPD) continues efforts to prepare the baseline hydrology model. LA County is initiating steps to build the sedimentation model. The Corps is participating in these activities focusing on the hydraulic model. Most of the work is coordinating and strategizing efforts to best utilize funds and ultimately accomplish study goals.

CONGRESSIONAL INTEREST: **Berman** (CA-28), **Sherman** (CA-27), **Royball-Allard** (CA-34).

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Va Shly' Ay Akimel, Salt River Restoration, Arizona

AUTHORIZATION: Flood Control Act 1938 (Gila River & Tributaries), and House Resolution 2425, 17 May 1994; WRDA 2007, Section 1001 (6)

LOCATION: The Va Shly' Ay Akimel (pronounced va sha lay akimel) project area is on the Salt River located on the Salt River Pima-Maricopa Indian Community between Granite Reef Dam and SR101 Freeway Bridge, approximately 14 miles in length.

DESCRIPTION: The recommended project includes restoring and improving 1,485 acres of habitat, one grade control structure, water delivery systems, and regarding of the river for vegetation.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 PED
Estimated Federal Cost	\$ 3,708,000
Estimated Non-Federal Cost	\$ 1,236,000
Cash	\$ 1,236,000
Other	\$ 0
Total Estimated Cost	\$ 4,944,000
Allocation thru FY 2008	\$ 2,071,000
Allocation for FY 2009	\$ 1,274,000 1/
Allocation for FY 2010	\$ 363,000
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$645K in Recovery Act Allocations To Date

FY 2010 ACTIVITIES: Funds are being used to fully fund the Phase 1 design which will be 100% complete in November 2010 and will finish under original budget by \$42K.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED phase completion in FY 2010.

OTHER INFORMATION: The local sponsors, the Salt River Pima-Maricopa Indian Community and the City of Mesa, support the acceleration of completing the phase. This will be ready for a new start construction in FY11.

CONGRESSIONAL INTEREST: **Mitchell** (AZ-5), **Flake** (AZ-6), **Pastor** (AZ-4), **Senator Kyl** (AZ), **Senator McCain** (AZ)

DISTRICT: Los Angeles

DATE: 22 December 2009

Construction

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Ecosystem Restoration

PROJECT NAME: Los Angeles River Demonstration Projects, California

AUTHORIZATION: P.L. 110-114 (WRDA 07), Section 4018

LOCATION: Demonstration projects be located on various areas within the upper Los Angeles River Watershed and exiting right of way. First demonstration project will be located 3 miles north of downtown Los Angeles along the east bank of the Los Angeles River.

DESCRIPTION: Demonstration projects provide information to develop a study for environmental ecosystem restoration, flood control, recreation, and other aspects of Los Angeles River revitalization. The information gained will allow for better planning and will improve future recommendation for restoration opportunities along the Los Angeles River.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$25,000,000
Estimated Non-Federal Cost	\$13,500,000
Cash	\$ 3,375,000
Other	\$10,125,000
Total Estimated Cost	\$38,500,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$24,900,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds of \$100,000 will be used to define the first demonstration project, develop a project management plan (\$60,000) and develop the draft Project Partnership Agreement (\$40,000).

EARLIEST ATTAINABLE COMPLETION FOR PHASE: This authority allows the development of multiple demonstrations projects. The first project could be completed in FY11.

OTHER INFORMATION: The demonstration project is recommended based on consistence with the sponsor's Los Angeles River Revitalization Master Plan. There will be no typical Corps decision document or federally recommended plan.

CONGRESSIONAL INTEREST: Becerra (CA-31), Roybal -Allard (CA-34), Sherman (CA-27), Schiff (CA-29), Waxman (CA-30), Watson (CA-33).

DISTRICT: Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Tres Rios, Arizona

AUTHORIZATION: WRDA 1992, Section 321; WRDA 1996, Section 301(b)(2); WRDA 2000, Section 101(b)(4)

LOCATION: Tres Rios is located at the confluence of Salt, Gila, and Agua Fria Rivers southwest of the metropolitan area for Phoenix, Arizona.

DESCRIPTION: The project consists of construction of a levee, restoration of 1,200 acres of riparian & wetlands habitat, recreation development including hiking trails, nature walks, comfort stations, ramadas & cultural resources mitigation for identification, protection & recovery of significant Native American artifacts.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
<u>Estimated Federal Cost</u>	\$ 139,750,000
Estimated Non-Federal Cost	\$ 75,250,000
Cash	\$ 44,067,000
Other	\$ 31,183,000
Total Estimated Cost	\$ 215,000,000
Allocation thru FY 2008	\$ 31,088,000
Allocation for FY 2009	\$ 31,050,000 1/
Allocation for FY 2010	\$ 15,000,000
Balance to Complete after FY 2010	\$ 62,612,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$21,479,800 in Recovery Act Allocations To Date

FY 2010 ACTIVITIES: Funds are being used to complete Plans and Specs for Phase 3 and award a construction contract for Phase 3.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable Construction phase completion in FY 2012.

OTHER INFORMATION: Current Working Estimate for the entire project is over the 902 limit of \$159,736 due primarily to the significant increase in local sponsor real estate cost.

CONGRESSIONAL INTEREST: F ranks (AZ-2), Pastor (AZ-4), Mitchell (AZ-5) Grijalva (AZ-7), and Senator Kyl.

DISTRICT: Los Angeles

DATE: 11 January 2010

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONTINUING AUTHORITIES PROGRAM – SECTION 1135
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Ashley Creek, UT

AUTHORIZATION: Section 1135, Water Resources Development Act of 1986

LOCATION: The site is part of a 12-mile reach that was straightened and enlarged (dredged) by the Ashley Creek Clearing and Snagging Project constructed by the Corps in 1966.

DESCRIPTION: The proposed project modification consists of restoring 2.4 miles of stream meanders and associated riparian vegetation on Ashley Creek. The restoration project would modify the features of the clearing and snagging project by reconstructing stream meanders and replanting associated riparian vegetation on the reach of Ashley Creek most adversely affected by the flood control work.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
<u>Estimated Federal Cost</u>	\$773,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$773,000
Allocation thru FY 2008	\$623,000
Allocation for FY 2009	21,000
Allocation for FY 2010	29,000
Balance to Complete after FY 2010	100,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Review project data and update as needed. Initiate and execute the Project Management Plan (PMP).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: Project has been on hold for a number of years due to budget priorities and constraints. Sponsor reaffirmed interest and financial capability in FY08 and is in current communication with Corps on this project.

CONGRESSIONAL INTEREST: Matheson (CA-2); Chaffetz (CA-3); Senators Bennett and Hatch

DISTRICT: Sacramento

DATE: 28 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 1135
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Pinole Creek, Ca

AUTHORIZATION: WRDA 1986, Section 1135

LOCATION: The Pinole Creek Watershed Restoration is located in the City of Contra Costa County, California.

DESCRIPTION: The proposed project would modify about 25 acres of open water, marsh, riparian, and native upland habitat to restore and enhance wildlife resources in Pinole Creek between San Pablo Bay and Hwy 80. The proposed modification would restore salmonid, steelhead, and coho salmon. Salmonid are of special significance because of their endangered and threatened species along the Central California Coast and is considered a high priority in the Federal Clean Water Action Plan.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Feasibility
Estimated Federal Cost	\$ 766,000
Estimated Non-Federal Cost	666,000
Cash	666,000
Other	0
Total Estimated Cost	\$1,432,000
Allocation thru FY 2008	\$ 92,000
Allocation for FY 2009	0
Allocation for FY 2010	30,000
Balance to Complete after FY 2010	644,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES:

Revise the PMP and continue studies to characterize the without project conditions.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012

OTHER INFORMATION: This is a high priority project for Contra Costa County Flood Control District.

CONGRESSIONAL INTEREST: Miller CA-07

DISTRICT: San Francisco

DATE: 24 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 1135
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Las Cruces Dam Environmental Restoration, Doña Ana County, New Mexico

AUTHORIZATION: Section 1135, WRDA 1986, P.L. 99-662

LOCATION: The project is located within the city limits of Las Cruces, New Mexico and includes the 800 acre reservoir pool area formed by the existing Las Cruces flood control dam constructed by the Corps of Engineers in the 1970's.

DESCRIPTION: The purpose of this project is ecosystem restoration. Proposed improvements include restoration of arroyo riparian vegetation and native Chihuahuan desert vegetation.

<u>SUMMARIZED FINANCIAL DATA:</u>		Feasibility	FY 2010
Estimated Federal Cost	\$968,000		
Estimated Non-Federal Cost			\$ 0
Cash			\$ 0
Other			\$ 0
Total Estimated Cost	\$968,000		
Allocation thru FY 2008	\$620,000		
Allocation for FY 2009	\$148,000		
Allocation for FY 2010			\$200,000
Balance to Complete After FY 2010			\$ 0
Benefit to Cost Ratio @ 7%			N/A

FY 2010 ACTIVITIES: Continue the feasibility study.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: The non-Federal sponsor is the City of Las Cruces, New Mexico.

CONGRESSIONAL INTEREST: Teague, (NM-02)

DISTRICT: Albuquerque

DATE: 15 December 2009

FACT SHEET
CONTINUING AUTHORITIES PROGRAM, SECTION 1135
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Tujunga Wash Environmental Restoration, CA

AUTHORIZATION: Section 1135, WRDA 1986 (PL 99-662)

LOCATION: The project is located in the San Fernando Valley, CA with headwaters in San Gabriel Mountains. It is a major tributary of the Los Angeles River.

DESCRIPTION: The project will create a naturalized stream course along the west bank of a 3/4 mile reach of the Tujunga Wash. The project will restore riparian ecosystem along 3,000 ft on both sides of Tujunga Wash channel below Hansen Dam. The wash will extend similar habitat being built by LA County and Mountains Recreation and Conservation Authority just downstream. Runoff will be routed from Pacoima into natural stream course that will meander through project area along the bank. Both banks will be planted with native vegetation, and provide paths for walking and interpretive uses.

<u>SUMMARIZED FINANCIAL DATA:</u>		<u>FY 2010 Design & Implementation</u>
Estimated Federal Cost	\$4,469,000	
Estimated Non-Federal Cost	\$1,667,000	
Cash		\$1,667,000
Other		\$ 0
Total Estimated Cost	\$6,136,000	
Allocation thru FY 2008		\$ 492,000
Allocation for FY 2009		\$ 0
Allocation for FY 2010		\$3,977,000
Balance to Complete after FY 2010		\$ 0
Benefit to Cost Ratio @ 7%		

FY 2010 ACTIVITIES: Carry-over funds of \$326,900 plus allocation of \$3,977,000 are being used to execute the Project Partnership Agreement (PPA), award a fully-funded design contract, and award the construction contract.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Congressman **Berman** (CA-28)

DISTRICT: Los Angeles

DATE: 11 December 2009

Environmental Infrastructure

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

STUDY NAME: Desert Hot Springs, CA

AUTHORIZATION: WRDA 1992, Section 219 (c) amended by Consolidated Appropriations Act of 2001, Section 108 (a) (23), WRDA 2007, Section 5006 (12)

LOCATION: The study area is located approximately 110 miles east of Los Angeles in the city of Desert Hot Springs, Riverside County, California.

DESCRIPTION: The proposed work will provide plans and design to protect one of the premier groundwater resources in the country by collecting and treating wastewater and abatement of septic tanks systems that threaten the high-quality groundwater aquifer and help create a sufficient stream of recycled wastewater.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010	FY 2010
	<u>PED</u>	<u>Construction</u>
Estimated Federal Cost	\$1,821,000	\$35,000,000
Estimated Non-Federal Cost	\$ 607,000	\$12,000,000
Cash	\$ 607,000	\$ 2,350,000
Other	\$ 0	\$ 9,650,000
Total Estimated Cost	\$2,428,000	\$47,000,000
Allocation thru FY 2008	\$1,243,000	\$ 0
Allocation for FY 2009	\$ 478,000	\$ 0
Allocation for FY 2010	\$ 100,000	\$ 0
Balance to Complete after FY 2010	\$ 0	\$35,000,000
Benefit to Cost Ratio @ 7%	N/A	N/A

FY 2010 ACTIVITIES: Complete the Wastewater Master Plan and prepare comprehensive wastewater facilities strategic plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable completion of the design phase (PED) in FY10.

OTHER INFORMATION: Project was authorized for construction by WRDA 2007.

CONGRESSIONAL INTEREST: **Lewis** (CA-41)

DISTRICT: Los Angeles

DATE: 29 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

STUDY NAME: Riverside County Special Area Management Plan (SAMP), California

AUTHORIZATION: Resolution by the Committee on Public Works of HR, adopted 8 May 1964 and Section 4 of the Flood Control Act of 1941, HR2425, 14 May 1994

LOCATION: The study area is located in Riverside County, California, approximately 85 miles southeast of Los Angeles.

DESCRIPTION: The Special Area Management Plan (SAMP) will be conducted in coordination with the on-going Riverside County Integrated Plan (RCIP) for Santa Margarita (473,000 acres) & San Jacinto (470,000 acres) Watersheds of Riverside County. The RCIP is a 3-part program addressing transportation, habitat conservation (Multi-Species Habitat Conservation Plan (MSHCP), & the County's General Plan (Local land use). The SAMP will provide a comprehensive plan for aquatic resources that allow for protection of natural resources while considering reasonable economic growth.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$6,070,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$6,070,000 1/
Allocation thru FY 2008	\$3,085,000
Allocation for FY 2009	\$ 339,000
Allocation for FY 2010	\$ 198,000
Balance to Complete after FY 2010	\$ 148,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$2,300,000 Environmental Protection Agency grant.

FY 2010 ACTIVITIES: Complete facilitation outreach to state and federal agencies, complete comprehensive permitting framework, and continue progress on Draft Environmental Impact Statement and Environmental Impact Report including updating baseline conditions and evaluating alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimal funding, the study will complete in FY 2012.

OTHER INFORMATION: The SAMP will result in a streamlined Section 404 process.

CONGRESSIONAL INTEREST: **Issa** (CA-49), **Calvert** (CA-44), **Bono** (CA-45), Senator Feinstein

DISTRICT: Los Angeles

DATE: 22 December 2009

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

STUDY NAME: San Diego County Special Area Management Plan (SAMP), California

AUTHORIZATION: Resolution by the Committee on Public Works of HR, adopted 8 May 1964 and Section 4 of the Flood Control Act of 1941, HR2425, 14 May 1994

LOCATION: The study area is located in the Otay River Watershed, San Diego County, California.

DESCRIPTION: The Special Area Management Plan (SAMP) will be conducted in coordination with the existing Multi-Species Conservation Plan (MSCP) for San Diego County. The SAMP will provide a comprehensive plan for aquatic resources protection while allowing for reasonable development. The study currently includes Otay River Watershed, however, the County of San Diego has expressed a strong interest in conducting a SAMP within the San Luis River Watershed.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Study
Estimated Federal Cost	\$1,925,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$1,925,000
Allocation thru 2008	\$1,341,000
Allocation for FY 2009	\$ 339,000
Allocation for FY 2010	\$ 152,000
Balance to Complete after FY 2010	\$ 93,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Complete analysis of alternatives, complete comprehensive permitting framework, and continue progress on the Draft Environmental Impact Statement including completing the baseline sections and initial evaluation of alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: With optimal funding, this study will be completed in July 2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: **Filner** (CA-51), **Hunter** (CA-52), **Davis** (CA-53), **Bilbray** (CA-50)

DISTRICT: Los Angeles

DATE: 22 December 2009

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: City of Inglewood, California

AUTHORIZATION: WRDA 1992, Section 219(c) amended by Consolidated Appropriations Act, 2001, Section 108(a)(26), and WRDA 2007 Section 5006 (14)

LOCATION: The City of Inglewood is located in the south central part of Los Angeles County, California.

DESCRIPTION: The City of Inglewood is a mostly residential community and has a population of approximately 116,000 people. The project includes field investigation, preliminary plans and specs, a Pre-Design Report (PDR), and the final design Plans and Specifications for the City's Water Treatment Plant Upgrade. Efforts also include a well site investigation.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$20,000,000
Estimated Non-Federal Cost	\$ 5,000,000
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$25,000,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$19,900,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Pre-final (90%) Plans and Specs package was submitted Oct 2009 to the City for review comments. Pending completion of City's review comments, the architect engineer has 135 days to continue the completion of the final Plans and Specs. The City is working on the environmental assessment with the architect engineer. Up to three possible well sites were proposed by the City for conducting the well site investigation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The final Plans and Specs package, City's Environmental Assessment document and the well site investigation should be completed by FY 2010.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Waters (CA-38)

DISTRICT: Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: City of Santa Clarita (Perchlorate), California

AUTHORIZATION: Consolidated Appropriations Act of 2001

LOCATION: The project is located within the Santa Clarita Valley in the northern part of Los Angeles County, California

DESCRIPTION: The main objective of the study has been to evaluate the existing aquifer conditions of the Eastern Santa Clarita Subbasin area and develop alternatives for long-term solutions to restoring the perchlorate affected aquifer to drinking water quality. The study has identified perchlorate sources, helped define the nature and extent of contamination, provided aquifer characterization, contaminant migration pathways, and groundwater modeling.

<u>SUMMARIZED FINANCIAL DATA:</u>		FY 2010 Construction
Estimated Federal Cost	\$	7,000,000
Estimated Non-Federal Cost	\$	7,000,000
Cash	\$	7,000,000
Other		\$ 0
Total Estimated Cost		\$14,000,000
Allocation thru FY2008	\$	4,615,000
Allocation for FY2009	\$	1,148,000
Allocation for FY 2010	\$	533,000
Balance to Complete after FY 2010	\$	704,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Continue aquifer characterization and remedial investigation Feasibility Study Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Optimal funding would enable the study portion under the construction appropriation to complete in FY2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Miller (CA-42), McKeon (CA-25)

DISTRICT: Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Contra Costa Water District, California

AUTHORIZATION: WRDA 1992, P. L. No. 102-580, § 219, 106 Stat. 4797, 4835; amended by WRDA 2007, P. L. No. 110-114, § 5158, 121 Stat. 1041, 1258-59.

LOCATION: Contra Costa Canal is located in Contra Costa County about 55 miles east of San Francisco, California.

DESCRIPTION: The purpose of the project is to eliminate four miles of federally owned (USBR) levees from the canal and replace the canal with buried pipeline. Once the aging and un-engineered infrastructure is replaced, the project would provide water quality benefits to nearly 550,000 people in the Contra Costa Water District service area, flood protection benefits to the 25,000 residents that live near the levees and help the Central Valley Project meet water quality standards in the Canal, while reducing water releases from upstream reservoirs.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
<u>Estimated Federal Cost</u>	<u>\$23,000,000</u>
Estimated Non-Federal Cost	\$ 7,667,000
Cash	\$ 0
Other	\$ 7,667,000
Total Estimated Cost	\$30,667,000
Allocation thru 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Balance to Complete after FY 2010	\$ 22,900,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY2010 funds will be used to develop Letter Report and Project Partnership Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: To be determined.

OTHER INFORMATION: \$100,000 Federal funds have been appropriated for project initiation, which will be utilized to prepare and sign a Letter Report and Project Partnership Agreement (PPA) in anticipation of future funding.

CONGRESSIONAL INTEREST: Garamendi (CA-10), McNerney (CA-11), Miller (CA-07)

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Farmington Recharge Demonstration Program, California

AUTHORIZATION: WRDA 99, P.L. 106-53, Sec. 502 (b)(f)(22) (amended Sec. 219 of WRDA 1992 (P.L. 102-580)); WRDA 2007, P.L. 110-114, Sec. 5044

LOCATION: Stockton metropolitan area and surrounding rural areas.

DESCRIPTION: The project area includes Stockton metropolitan and surrounding rural areas. Groundwater is San Joaquin County's primary water source. Groundwater aquifer levels have dropped as much as 100 feet over the past 40 years and saline intrusion from the San Joaquin/Sacramento Delta has worsened. A significant threat to the San Joaquin County economy exists if saline intrusion continues. The study determined that field flooding within the defined recharge corridor was found to be the most cost effective method to recharge and reverse saline intrusion.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$25,000,000
Estimated Non-Federal Cost	\$ 8,330,000
Cash	\$ 2,333,000
Other	\$ 6,000,000
Total Estimated Cost	\$33,330,000
Allocation thru FY 2008	\$ 2,945,000
Allocation for FY 2009	\$ 1,122,000 1/
Allocation for FY 2010	\$ 484,000
Balance to Complete after FY 2010	\$20,449,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$835,000 in Recovery Act Allocations to Date

FY 2010 ACTIVITIES: Complete environmental impact statement (EIS) and initiate demonstration test at NW site. Complete EIS and initiate/complete design for three additional construction phases to include replacement of one mile of currently existing pipeline, placement of 25 banked surface water recovery wells and pipelines, and development of groundwater recharge facilities on a 226-acre lot.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2015

OTHER INFORMATION: WRDA 1999 Section 502, Environmental Infrastructure, authorized the Corps to provide technical, planning, design and construction assistance to Stockton East Water District (SEWD) associated with groundwater recharge and conjunctive use projects in the SEWD, CA. Congress added funds in fiscal years 2002, 2003, 2004, 2005, 2008 and 2009. Language contained in WRDA 2007 provided for credit of sponsor in-kind work. Section 219/502 Environmental Infrastructure projects are not included in the budget due to budget priorities and constraints.

CONGRESSIONAL INTEREST: McClintock (CA-4); McNerney (CA-11); Cardoza (CA-18); Senators Boxer and Feinstein

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Harbor/South Bay Water Recycling, California

AUTHORIZATION: WRDA 1992, Sec 219(f) as amended by WRDA 1999, Sec 502(b) & amended by Consolidated Appropriations Act of 2001, Sec 108(c)(6), WRDA 2002 Sec 219(c)

LOCATION: The project area is located in the South Bay area of Los Angeles County, CA, encompassing cities of Los Angeles, Compton, Carson, Gardena, Inglewood, Hawthorne, Torrance, Redondo Beach, Palos Verdes, Rolling Hills, and Rancho Verdes Estates.

DESCRIPTION: The project is part of the West Basin Municipal Water District's recycled water distribution system expansion which will serve recycled waste water to numerous local cities. The project includes the design and construction of 30 miles of recycled water pipeline and distribution facilities.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 35,000,000
Estimated Non-Federal Cost	\$ 11,700,000
Cash	\$ 11,700,000
Other	\$ 0
Total Estimated Cost	\$ 46,700,000
Allocation thru 2008	\$ 22,975,000
Allocation for FY 2009	\$ 8,000,000 1/
Allocation for FY 2010	\$ 484,000
Balance to Complete after FY 2010	\$ 3,541,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$5,129,000 in Recovery Act Allocations To Date

FY 2010 ACTIVITIES: Complete construction for Anza Lateral Phase II, Mariposa Lateral, and Lateral 7 (Dominguez Lateral) Phase I. Award construction contracts for Lateral 7 Phase II, Carson Mall Lateral, and the Pump Station.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Construction for Anza Lateral Phase II, Mariposa Lateral, and Lateral 7 (Dominguez Lateral) Phase I will be completed by Sep 2010.

OTHER INFORMATION: Sponsor is working to raise the project authorization from \$35M to \$60M.

CONGRESSIONAL INTEREST: Roybal-Allard (CA-34), Waters (CA-35), Harman (CA-36), Richardson (CA-37), Sanchez (CA-39), Rohrabacher (CA-46), Senator Feinstein

DISTRICT: Los Angeles

Date: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Placer County Sub-Regional Wastewater Treatment, California

AUTHORIZATION: Section 130 of the Energy and Water Development Appropriations Act, 2004

LOCATION: The project is located in Placer County, California.

DESCRIPTION: This program will assist the non-Federal sponsor by reimbursing them the Federal share (75%) of their incurred wastewater project construction costs.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 Construction
Estimated Federal Cost	\$32,000,000
Estimated Non-Federal Cost	\$10,667,000
Cash	\$10,667,000
Other	\$ 0
Total Estimated Cost	\$42,667,000
Allocation thru FY 2008	\$ 2,916,000
Allocation for FY 2009	\$ 957,000
Allocation for FY 2010	\$ 921,000
Balance to Complete after FY 2010	\$27,206,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Corps is working with the sponsor to review design contract proposals and subsequent designs provided by chosen contractors on Sewer Maintenance District (SMD) 1 for gravity pipeline, forcing mains and pump station construction and SMD3 for wastewater treatment plant decommissioning and installation of pipeline and pump station.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The non-Federal sponsor has authority to be reimbursed \$32,000,000 for their Placer Sub-Regional Construction costs. This may take up to FY 2013 depending on receipt of yearly appropriations.

OTHER INFORMATION: The Corps is authorized to reimburse the sponsor for incurred design and construction costs. The Corps may also provide design and construction assistance in lieu of reimbursement.

CONGRESSIONAL INTEREST: McClintock (CA-4)

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Rural Nevada, NV

AUTHORIZATION: WRDA 1999 (P.L. 106-53), Sec. 595; as amended by Sec. 104 of H.J. Resolution 2 and WRDA 2007 (P. L. 110-114), Sec. 5067

LOCATION: Communities within the state of Nevada that meet program criteria.

DESCRIPTION: Water Resources Development Act of 1999, Section 595, provides for design and construction assistance for water supply, wastewater treatment, environmental restoration, and surface water protection in rural Nevada. Projects are to be cost shared 75% Federal and 25% non-Federal.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$150,000,000
Estimated Non-Federal Cost	\$ 50,000,000
Cash	\$ 50,000,000
Other	0
Total Estimated Cost	\$200,000,000
Allocations thru FY 2008	\$ 72,873,000
Allocations for FY 2009	\$ 29,238,000 1/
Allocation for FY 2010	\$ 15,000,000
Balance to Complete after FY 2010	\$ 32,889,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$11,238,000 in Recovery Act Allocations to Date

FY 2010 ACTIVITIES: Provide reimbursement to existing Project Partnership Agreements (PPAs) to Incline Village, Boulder City, Virgin Valley Water District, Mesquite, Douglas County Sewer Improvement District, Austin, Virginia City, Carson City, Yerington, Battle Mountain, West Wendover, and North Lemmon Valley. Execute new PPAs for design and construction for Spanish Springs, Churchill County Water, and Lyon County.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The current Program limit of \$150M should be reached by 2013. No new agreements will be able to be signed after 2010.

OTHER INFORMATION: WRDA 2007 increased the total Federal program limit to \$150,000,000.

CONGRESSIONAL INTEREST: Berkley (NV-1); Heller (NV-2); Titus (NV-3); Senators Reid and Ensign

DISTRICT: Sacramento and Los Angeles

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: Rural Utah, UT

AUTHORIZATION: EWDA 2010 (P.L. 111-85), Sec. 112; WRDA 2007 (P.L. 110-114), Sec. 5067; WRDA 99 (P.L. 106-53), Sec. 595, as amended by EWDA 2004 (P.L. 108-137), Sec. 117

LOCATION: Various communities within the State of Utah that meet program criteria.

DESCRIPTION: The Rural Utah 595 Water Program is providing, or has provided in the past, significant financial assistance to a total of 21 rural communities in Utah with critical water and wastewater infrastructure improvements. Over 4 dozen additional communities have also contacted the Corps with regard to funding their critical water infrastructure projects. Projects are to be cost shared 75% Federal and 25% non-federal. The total program is limited to \$100M for Rural UT. The Federal share is in the form of reimbursements.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
Estimated Federal Cost	Construction \$100,000,000
Estimated Non-Federal Cost	\$ 33,300,000
Cash	\$ 33,300,000
Other	0
Total Estimated Cost	\$133,300,000
Allocations thru FY 2008	\$ 19,188,000
Allocations for FY 2009	\$ 21,000,000 1/
Allocation for FY 2010	\$ 20,000,000
Balance to Complete after FY 2010	\$ 39,812,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$3,000,000 in Recovery Act Allocations to date.

FY 2010 ACTIVITIES: Funds are being used to execute new Project Partnership Agreements (PPA) for Kane, White rocks, Roosevelt, Mt Pleasant, Duchesne, Ephraim, Cedarview, Emery Town, Hurricane, and San Juan County and to continue reimbursements on existing PPAs. ARRA funds are being used to continue reimbursements on existing PPAs.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The current Program limit of \$100,000,000 should be reached by 2013.

OTHER INFORMATION: The previous Utah 595 Program authorization was \$50,000,000. EWDA 2010 increased program authorization to \$100,000,000.

CONGRESSIONAL INTEREST: Bishop (UT-1); Matheson (UT-2); Chaffetz (UT-3); Senators Bennett and Hatch

DISTRICT: Sacramento

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: San Francisco, California

AUTHORIZATION: WRDA 2007, P. L. 110-114, § 5051, 121 Stat. 1041

LOCATION: The project is located in San Francisco, California on the industrial waterfront of San Francisco Bay.

DESCRIPTION: The San Francisco project includes the repair and removal, as appropriate, of Piers 30-32, 35, 36, 70 (including Wharves 7 and 8), and 80 in San Francisco, California, substantially in accordance with the Port's redevelopment plan.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010
<u>Estimated Federal Cost</u>	Construction
Estimated Non-Federal Cost	\$25,000,000
Cash	\$13,461,538
Other	\$13,461,538
Total Estimated Cost	\$ 0
Allocation thru 2008	\$ 0
Allocation for FY 2009	\$ 100,000
Allocation for FY 2010	\$ 4,700,000
Balance to Complete after FY 2010	\$20,200,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES : Complete the Letter Report and execute a non-Model Design and Construction Project Partnership Agreement (PPA). Once the agreement is executed the Corps will complete the review of the non-Federal sponsors' designs and initiate environmental studies for NEPA compliance.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: TBD.

OTHER INFORMATION: The funding for FY10 is for the removal of Pier 36. Demolition and abatement contract will be awarded in January 2011. Construction of Pier 36 will be completed in June 2011.

CONGRESSIONAL INTEREST: Pelosi (CA-08); Senator Feinstein and Boxer

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environmental Infrastructure

PROJECT NAME: San Ramon Valley Recycled Water Project, California

AUTHORIZATION: WRDA 1999, P. L. 106-53, § 502 (b), 113 Stat. 269, 334-37 (1999).

LOCATION: Project is located in the San Ramon Valley, Contra Costa & Alameda Counties, approximately 25 miles east of San Francisco. It runs from Danville south to Dublin.

DESCRIPTION: The total final project includes design & construction of 8 pump stations, 8 storage reservoirs, & 135 miles of pipeline. The Corps will assist with the design and construction management of one pump station & 6,500 feet of pipeline for Phase 1, and an additional 10-13 miles of distribution pipeline for Phases 2, 3 and 4, planned for construction start in FY10. The project will provide approximately 8,200-acre feet of recycled water annually for landscape irrigation & conserve high quality drinking water for 12,000 families.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 Construction
Estimated Federal Cost	\$15,000,000
Estimated Non-Federal Cost	\$ 5,000,000
Cash	\$ 5,000,000
Other	0
Total Estimated Cost	\$20,000,000
Allocation thru 2008	\$ 8,023,000
Allocation for FY 2009	\$ 6,348,000 ^{1/}
Allocation for FY 2010	\$ 170,000
Balance to Complete after FY 2010	\$ 459,000
Benefit to Cost Ratio @ 7%	N/A

1/ Includes \$3,477,000 in Recovery Act Allocations thru 31 December 2009.

FY 2010 ACTIVITIES: Complete design, plans and specifications for Phases 2, 3 & 4, and award construction contract including ARRA funds. Construction for this last contract will start in March 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Miller (CA-07), Lee (CA-09), Garamendi (CA-10), McNerney (CA-11); Senators Feinstein and Boxer

DISTRICT: San Francisco

DATE: 11 January 2010

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment Infrastructure

PROJECT NAME: Tahoe Basin Restoration, California & Nevada

AUTHORIZATION: Section 108, Title I, Division C of the Consolidated Appropriations Act, 2005, (H. R. 4818)

LOCATION: The project is the Lake Tahoe Basin watershed in the Sierra Nevada Mountains straddling the border of California and Nevada. The basin is approximately 100 miles northeast of Sacramento, CA and 50 miles southwest of Reno, NV.

DESCRIPTION: Lake Tahoe is a valuable environmental national resource. Habitats have been substantially altered through development and construction activities resulting in significant losses in water quality and ecosystem diversity. The 2005 Consolidated Appropriations Act includes language creating a new program to provide environmental assistance to non-Federal interests in the Lake Tahoe Basin. Assistance under this section may be in the form of planning, design, and construction assistance for water related environmental infrastructure and resource protection and development projects including urban storm-water conveyance, treatment and related facilities; watershed planning, science and research; environmental restoration; and surface water resources protection and development.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY2010
Estimated Federal Cost	Construction \$25,000,000
Estimated Non-Federal Cost	\$ 8,300,000
Cash	\$ 8,300,000
Other	0
Total Estimated Cost	\$33,300,000
Allocation thru FY 2008	\$10,433,000
Allocation for FY 2009	\$ 3,000,000
Allocation for FY 2010	\$ 3,000,000
Balance to Complete After FY 2010	\$ 8,567,000
Benefit to Cost Ratio @ 7%	N/A

ACTIVITIES FOR FY2010: Continue restoration of Angora fire area, Lake Forest Meadow, Upper Truckee River, Blackwood Creek, Incline Creek, Third Creek, and North Canyon Creek; continue aquatic invasive species management; continue urban storm-water master plans.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2015

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Heller (NV-2); McClintock (CA-4); Matsui (CA-5); Senators Boxer and Feinstein (CA); Reid and Ensign (NV)

DISTRICT: Sacramento

DATE: 11 January 2010

**SOUTHWESTERN
DIVISION**

**ENACTED
FACT SHEETS**

SOUTHWESTERN DIVISION
ENACTED FACT SHEETS
 TABLE OF CONTENTS

SOUTHWESTERN DIVISION HEADER.....SWD-01

FLOOD AND COASTAL STORM DAMAGE REDUCTION SWD-05

INVESTIGATIONSSWD-06

 ABILENE, TX (BRAZOS RIVER BASIN-ELM CREEK)SWD-07

 BUFFALO BAYOU AND TRIBUTARIES, TX (MAIN STEM).....SWD-08

 GRAND LAKE, OK.....SWD-09

 MAY BRANCH, FORT SMITH, ARSWD-10

 PINE MOUNTAIN LAKE, ARSWD-11

 RIO GRANDE BASIN, TX.....SWD-12

 UPPER TRINITY RIVER BASIN, TXSWD-13

 WHITE OAK BAYOU, TX.....SWD-14

CONSTRUCTIONSWD-15

 CENTRAL CITY, FORT WORTH, UPPER TRINITY RIVER BASIN, TXSWD-16

 CLEAR CREEK, TX.....SWD-17

 DALLAS FLOODWAY EXTENSION, TRINITY RIVER PROJECT, TX.....SWD-18

 GRAHAM, TX (BRAZOS RIVER BASIN).....SWD-19

 HUNTING BAYOU, HOUSTON, TX.....SWD-20

 SIMS BAYOU, HOUSTON, TXSWD-21

CONTINUING AUTHORITIES PROGRAM.....SWD-22

 ADAMS CREEK, WAGONER, OK.....SWD-23

 CIENEGAS CREEK, DEL RIO, TXSWD-24

 COLORADO RIVER, CALDWELL LANE, TRAVIS COUNTY, TXSWD-25

 COWETA, OKSWD-26

 DYER, ARSWD-27

 EVERMAN, TX.....SWD-28

 FARMERS BRANCH, TARRANT COUNTY, TX.....SWD-29

 IOLA, KSSWD-30

 KINGFISHER, OK.....SWD-31

 MANY, LASWD-32

 NEODESHA, KSSWD-33

 NEW BRAUNFELS, TXSWD-34

 OIL TROUGH, WHITE RIVER, ARSWD-35

 PALO DURO CREEK, CANYON, TX.....SWD-36

 PONCA TRIBAL GROUNDS EROSION CONTROL, OKSWD-37

 POST OAK CREEK, CORSICANA, TXSWD-38

 RIO GRANDE & UNNAMED TRIBUTARY, TX.....SWD-39

 ROBINSON, TXSWD-40

 ROGERS HILL AT AQUILLA CREEK, McLENNAN, TX.....SWD-41

 SEDGWICK KS LITTLE ARKANSAS RIVER WATERSHED, KS.....SWD-42

 TOWN BRANCH, CORSICANA, TXSWD-43

 TUCKER CREEK LEVEE, ARSWD-44

 WALKER CREEK, MO.....SWD-45

NAVIGATION SWD-46

INVESTIGATIONSSWD-47

- FREEMPORT HARBOR, TX.....SWD-48
- SABINE NECHES WATERWAY, TX.....SWD-49

CONSTRUCTION.....SWD-50

- CORPUS CHRISTI SHIP CHANNEL, TX.....SWD-51
- HOUSTON - GALVESTON NAVIGATION CHANNELS, TX.....SWD-52
- TEXAS CITY CHANNEL (50-FOOT PROJECT), TX.....SWD-53

CONTINUING AUTHORITIES PROGRAM.....SWD-54

- GALVESTON ISLAND & HARBOR, GALVESTON, TX.....SWD-55
- LAVACA PORT, ARKANSAS RIVER, ARSWD-56

AQUATIC ECOSYSTEM RESTORATION SWD-57

INVESTIGATIONSSWD-58

- ARKANSAS RIVER CORRIDOR, OK.....SWD-59
- CYPRESS VALLEY WATERSHED, TX.....SWD-60
- GRAND (NEOSHO) RIVER BASIN WATERSHED, OK, KS, MO & ARSWD-61
- OOLOGAH LAKE WATERSHED, OK & KSSWD-62
- SABINE PASS TO GALVESTON BAY, TX.....SWD-63
- SOUTHEAST OKLAHOMA WATER RESOURCE STUDY, OK.....SWD-64
- SOUTHWEST ARKANSAS, AR.....SWD-65
- WASHITA RIVER BASIN, OK.....SWD-66

CONSTRUCTION.....SWD-67

- BOSQUE RIVER WATERSHED, TX.....SWD-68
- JOHNSON CREEK, ARLINGTON, TX.....SWD-69
- SAN ANTONIO CHANNEL IMPROVEMENT PROJECT.....SWD-70

CONTINUING AUTHORITIES PROGRAM.....SWD-71

- BIG CYPRESS BAYOU F&W HABITAT RESTORATION, TXSWD-72
- GARDEN CITY ECOSYSTEM, KSSWD-73
- KEITH LAKE FISH PASS, JEFFERSON COUNTY, TXSWD-74
- LEWISVILLE LAKE, FRISCO, TX.....SWD-75
- MILLWOOD, GRASSY LAKE, ARSWD-76
- MOSES LAKE, TXSWD-77
- NUECES DELTA AND BAY, TX.....SWD-78
- OLD TRINITY CHANNEL WILDLIFE RESTORATION, TXSWD-79
- RIO GRANDE ECOSYSTEM RESTORATION, LAREDO, TXSWD-80
- SPRING LAKE, SAN MARCOS, TXSWD-81
- TAYLORS BAYOU, PORT ARTHUR TXSWD-82
- WALNUT BRANCH, SEGUIN, TXSWD-83
- WWTP STEPHENVILLE, TXSWD-84

HYDROPOWERN/A

WATER SUPPLY SWD-85

INVESTIGATIONSSWD-86

MIDDLE BRAZOS RIVER, TXSWD-87

CONSTRUCTION.....SWD-88

RED RIVER CHLORIDE CONTROL PROJECT, TX & OKSWD-89

CONTINUING AUTHORITIES PROGRAM..... N/A

ENVIRONMENTAL INFRASTRUCTURE.....N/A

OPERATION AND MAINTENANCE SWD-90

GIWW, CHOCOLATE BAYOU, TXSWD-91

CHANNEL TO HARLINGEN, TX.....SWD-92

TRINITY RIVER AND TRIBUTARIES, TX.....SWD-93

FLOOD AND COASTAL STORM DAMAGE REDUCTION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Abilene, Texas (Brazos River Basin)

AUTHORIZATION: Senate Resolutions dated 12 Aug 1954 and 31 Jul 2007

LOCATION: The study area is located along Elm Creek in and around the city of Abilene, Taylor County, Texas.

DESCRIPTION: The study is a reassessment of a previously uncompleted cost-shared feasibility study conducted by the Corps of Engineers in 1991. Current feasibility studies are being undertaken using state-of-the-art technologies to accurately define a highly complex flooding problem impacting most of the city of Abilene. The following step will be to formulate a plan that best meets the study objectives. It is anticipated that the recommended plan will be similar to the FY 1991 plan and may include a combination of detention, diversion, and channel modifications along Elm Creek.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 1,191,000
Estimated Non-Federal Cost \$	1,191,000
Cash	\$ 883,000
Other	\$ 308,000
Total Estimated Cost \$	2,382,000
Allocation thru FY 2008	\$ 507,000
Allocation for FY 2009	\$ 163,000
Allocation for FY 2010	\$ 175,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 346,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds are being used to complete plan formulation, prepare the Alternative Formulation Briefing, and perform the Agency Technical Review.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: May 2012.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Neugebauer, TX-19

DISTRICT: Fort Worth

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Buffalo Bayou and Tributaries, Main Stem (Houston), Texas.

AUTHORIZATION: Section 211 (f) of the WRDA 1996, (as amended)

LOCATION: Buffalo Bayou and Tributaries (Main Stem) is located entirely within the city limits of Houston, Texas. The study area includes 32 miles of channel extending from the Houston Ship Channel Turning Basin upstream through the business district of Houston to Barker Dam.

DESCRIPTION: The primary purpose of the study is to prevent frequent flooding of business and residential properties along the Bayou and its tributaries, to include considering Ecosystem Restoration alternatives.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY 2010 <u>PED</u>
Estimated Federal Cost	\$ 4,965,000
Estimated Non-Federal Cost	1,655,000
Cash	(1,655,000)
Other	(0)
Total Estimated Study Cost	\$6,620,000
Allocation thru FY 2008	\$12,000
Allocation for FY 2009	96,000
Allocation for FY 2010	\$90,000
Balance to Complete after FY 2010	\$4,767,000
Benefit to Cost Ratio @ (7%)	N/A

FY 2010 ACTIVITIES: This project is being conducted under 211(f) of WRDA 1996. FY10 funds will be used for oversight and coordination of non-Federal activities for the General Reevaluation Report, which includes initiating the component identification and evaluations. Agency Technical Review (ATR) action for the Without Project Condition continues.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE : The earliest attainable completion FY for the phase is August 2018.

OTHER INFORMATION: Congressional interest in this project has increased since Tropical Storm Allison hit the area in June 2001. Tropical Storm Allison caused significant flooding within the Houston, Texas area, which damaged an estimated 45,000 residences sustaining approximately \$1.76 billion in damages. Approximately 1,656 businesses reported damages estimated at \$1.08 billion. HCFCD submitted the "Without Project Condition" report for ATR, October 2009.

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX); Representatives Culberson (TX-7) Jackson-Lee (TX-18) and Green, G. (TX-29)

DISTRICT: Galveston

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction.

PROJECT/STUDY NAME: Grand Lake, Oklahoma.

AUTHORIZATION: Section 449 of WRDA 2000.

LOCATION: Grand Lake was constructed by the Grand River Dam Authority and become operational in 1941. The lake is located in the northeast corner of Oklahoma.

DESCRIPTION: Reservoir purposes include hydroelectric power (operated by GRDA) and flood risk reduction (directed by the Corps). Other federal agencies acquired flood flowage easements surrounding the lake above elevation 750. Administrative jurisdiction of these flood flowage easements was transferred to the Corps in 1959. In response to increasing public concerns regarding flooding around portions of Grand Lake, Section 449 of WRDA 2000 authorized the project which will utilize an adaptive management approach to identify cost effective flood risk reduction solutions.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	4,174,000
Estimated Non-Federal Cost		\$ 0
Cash		\$ 0
Other		\$ 0
Total Estimated Cost	\$	4,174,000
Allocation thru (BY-2) FY 2008		\$ 411,000
Allocation for (BY-1) FY 2009		\$ 182,000
Allocation for FY 2010		\$ 90,000
Balance to Complete after FY 2010		\$ 3,491,000
Benefit to Cost Ratio @ 7% (____%)		

FY 2010 ACTIVITIES: Completion of the project management plan (PMP) and the Reconnaissance phase portion of the project. Begin formulation of project alternatives.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Earliest completion for current project phase is FY2013.

OTHER INFORMATION: In accordance with the requirements of Section 449 of WRDA 2000, on 14 Sep 07 the ASA(CW) concurred with authorization of the project at full federal expense.

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Congressman Boren (OK-2), and Congresswoman Jenkins (KS-2).

DISTRICT: Tulsa

FACT SHEET
INVESTIGATIONS
Enacted Studies

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: May Branch, Fort Smith, Arkansas

AUTHORIZATION: 8 November 2007, Section 1001(7) of WRDA 2007

LOCATION: May Branch flows through a covered conduit within the city limits of Fort Smith into the Arkansas River.

DESCRIPTION: Flooding causes an estimated \$ 1,800,000 in average annual damages. The project would consist of 2.77-mile long open channel to convey flood waters from the May Branch Basin to the Arkansas River. The new channel alignment would require 15 structure relocations, 5 rail and 9 road crossings, and a gated hydraulic control structure at the Fort Smith (Arkansas River) Levee. The project would nearly eliminate the flood damages expected to be caused by a 100-year event.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PED</u>
Estimated Federal Cost \$	1,980,000
Estimated Non-Federal Cost	\$ 660,000
Cash	\$ 610,000
Other	\$ 50,000
Total Estimated Cost \$	2,640,000
Allocation thru FY 2008	\$ 107,000
Allocation for FY 2009	\$ 109,000
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 179,000
Balance to Complete after FY 2010	\$ 1,585,000
Benefit to Cost Ratio @ 7% (0.80 to 1)	

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate 60% design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion for PED is FY 2012.

OTHER INFORMATION: The design agreement was signed with the City of Fort Smith, Arkansas, the sponsor, on October 21, 2008.

CONGRESSIONAL INTEREST: Senators Lincoln and Pryor, AR: Representative Boozman, AR-3.

DISTRICT: Little Rock

FACT SHEET
INVESTIGATIONS
Enacted Studies

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Pine Mountain Dam, Arkansas

AUTHORIZATION: Flood Control Act of 1965

LOCATION: The project is located at mile 35.7 on Lee Creek, 12 miles north of the city of Van Buren in Crawford County, Arkansas.

DESCRIPTION: The project consists of the evaluation of a water supply reservoir and other alternatives to meet the needs of the area. The potential reservoir would have a drainage basin of 168 square miles. Studies to complete a General Reevaluation Report (GRR) and Environmental Impact Statement (EIS) have been initiated.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>PED</u>
Estimated Federal Cost \$	9,478,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost \$	9,478,000
Allocation thru FY 2008	\$ 1,231,000
Allocation for FY 2009	\$ 478,000
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 381,000
Balance to Complete after FY2010	\$ 7,388,000
Benefit to Cost Ratio @ 7% (1.10 to 1)	

FY 2010 ACTIVITIES: FY 2010 funds will be used to finish the yield analysis on the Lake Fort Smith Basin, start a geological investigation for infiltration wells, develop and screen alternatives, and determine the target yield for the new source of drinking water for the River Valley Regional Water District.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: PED phase will be complete in FY 2019.

OTHER INFORMATION: In late October 2009, agency and public scoping meetings were held in Van Buren and Fayetteville. The public has expressed opposition to the Pine Mountain Dam alternative, but most of the comments were supportive of finding an alternative to drinking source if the need for water exists. In FY2010, analysis on the “no-action plan” will be completed, which will determine the target water needs in 2070.

CONGRESSIONAL INTEREST: Senators Lincoln and Pryor, AR; Representative Boozman, AR-3.

DISTRICT: Little Rock

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY: Rio Grande Basin, TX

AUTHORIZATION: Water Resources Development Act (WRDA) of 1986, Section 729, as amended by WRDA 2000, Section 202, and House Resolution dated 21 May 2003

LOCATION: The study is located along Chacon Creek, which is a tributary of the Rio Grande located in the eastern part of the city of Laredo, Texas. Chacon Creek originates north of Lake Casa Blanca and flows approximately five miles to the south and west where it empties into the Rio Grande.

DESCRIPTION: The study would provide flood risk management and ecosystem restoration to the lands along Chacon Creek. The flood risk management component of the project consists of the permanent evacuation of houses predominantly in the Villa Del Sol subdivision adjacent to Chacon Creek where residents have experienced frequent inundation. The ecosystem restoration component addresses the loss of wetland habitats and vegetation brought on by additional water flowing into Chacon Creek due to increased urbanization.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 1,059,000
Estimated Non-Federal Cost	\$ 892,000
Cash	\$ 750,000
Other	\$ 142,000
Total Estimated Cost \$	1,951,000
Allocation thru FY 2008	\$ 703,000
Allocation for FY 2009	\$ 96,000
Allocation for FY 2010	\$ 260,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds are being used to complete the feasibility phase of the project, prepare the Detailed Project Report with Integrated Environmental Assessment, and draft a Chief's Report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2010

OTHER INFORMATION: No new start PED projects in the FY 2011 President's Budget.

CONGRESSIONAL INTEREST: Hinojosa, TX-15; Reyes, TX-16; Rodriguez, TX-23; Ortiz, TX-27 and Cuellar, TX-28.

DISTRICT: Fort Worth

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Upper Trinity River Basin, Texas

AUTHORIZATION: Senate Resolution adopted 22 Apr 88

LOCATION: The study area extends upstream from the confluence of the East Fork and the mainstem of the Trinity River, has a drainage area of approximately 7,873 square miles, and includes the Dallas/Fort Worth Metroplex in north central Texas.

DESCRIPTION: Preliminary watershed-wide feasibility investigations identified 88 measures for more detailed study. Subsequently, seven interim feasibility studies (IFS) have been initiated with 11 cities, one county, and one special district to undertake more detailed studies for the purpose of addressing flood risk management, ecosystem restoration and recreation opportunities within these areas.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010</u> <u>Study</u>
Estimated Federal Cost	\$ 20,810,000
Estimated Non-Federal Cost \$	20,000,000
Cash	\$ 10,625,000
Other	\$ 9,375,000
Total Estimated Cost \$	40,810,000
Allocation thru FY 2008	\$ 14,827,000
Allocation for FY 2009	\$ 382,000
Allocation for FY 2010	\$ 269,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 5,332,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: FY 2009 carryover and FY 2010 funds will be used to continue the Big Fossil Creek Watershed IFS and initiate a new interim feasibility study on the Village Creek Watershed by developing existing conditions for engineering, real estate, ecological and cultural resources, and hydrologic and hydraulic modeling.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2015

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Johnson, TX-3; Hall, TX-4; Hensarling, TX-5; Barton, TX-6; Granger, TX-12; Thorn berry, TX-13; Edwards, TX -17; Neugebauer, TX-19; Marchant, TX -24; Burgess, TX-26; Johnson, TX-30, Sessions, TX-32

DISTRICT: Fort Worth

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Buffalo Bayou and Tributaries, White Oak (Houston), Texas.

AUTHORIZATION: Section 211(f) of the WRDA 1996, (Construction subject to ASA (CW) approval; Reimbursement for non-Federal work)).

LOCATION: The study is located in Harris County, Houston, Texas. White Oak Bayou is a tributary channel to Buffalo Bayou and Tributaries, and is located within the city limits of Houston, Texas. The bayou originates northwest of FM 1960 and flows generally toward the southeast. The stream extends approximately 26 miles to a terminus near State Highway 290.

DESCRIPTION: The primary study area problem is frequent flooding of residential properties along White Oak Bayou, and its tributaries. A series of detention reservoirs and channel adjustments in the upper reaches could facilitate drainage in the watershed.

FY	2010 <u>FEASIBILITY</u>
<u>SUMMARIZED FINANCIAL DATA:</u>	
Estimated Federal Cost	\$ 4,621,000
Estimated Non-Federal Cost	4,471,000
Cash	(4,471,000)
Other	(0)
Total Estimated Study Cost	\$9,092,000
Allocation thru FY 2008	\$925,000
Allocation for FY 2009	96,000
Allocation for FY 2010	90,000
Balance to complete After FY 2010	\$3,510,000
Benefit to Cost Ratio @ (7%)	N/A

FY 2010 ACTIVITIES: FY 2009 carry-in funds are being used to provide coordination and oversight of work performed by the non-Federal Sponsor, Harris County Flood Control District to complete the General Reevaluation Report (GRR). The Alternative Formulation Briefing is scheduled for late summer pending HCFCD resolution of Agency Technical review comments.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion of the GRR ready for HQ review is FY 2011 (August 11).

OTHER INFORMATION: Section 211(f) of WRDA 96 authorizes non-Federal interests to plan, design, and construct, and be reimbursed for flood control projects up to the Federal share of costs for the work accomplished. The non-Federal Sponsor is Harris County Flood control District.

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX); Representatives Culberson (TX-7), A. Green (TX-9), Jackson-Lee (TX-18), and G. Green (TX-29)

DISTRICT: Galveston

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Central City, Fort Worth, Upper Trinity River Basin, TX

AUTHORIZATION: PL 108-447, Sec 116

LOCATION: The project area is located in the northern portion of downtown Fort Worth, Texas along the Trinity River and tributaries within the Upper Trinity River Basin.

DESCRIPTION: The Corps component of the Central City project constructs a bypass channel and appurtenant structures to control flood flows along the Clear Fork and West Fork of the Trinity River. The project restores the design level of flood protection to the existing levee and channel system by realigning the river, adding closure gates and constructing a dam within the channel.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 110,000,000
Estimated Non-Federal Cost \$	110,000,000
Cash	\$ 46,000,000
Other	\$ 64,000,000
Total Estimated Cost \$	220,000,000
Allocation thru 2008	\$ 15,952,000
Allocation for FY 2009	\$ 6,000,000
Allocation for FY 2010	\$ 6,782,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 81,266,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds will be used to award preliminary design contracts for the bypass channel, gates and Site A and Riverside Park storage mitigations, in addition to fully funding construction contracts for the hydraulic mitigation sites at Samuels Avenue South and Ham Branch.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2021

OTHER INFORMATION: Concurrent Federal funding streams for the bypass channel design by the Corps and the bridge design by Federal Highway Administration are needed to prohibit adverse impacts to the overall schedule for the Trinity River Vision plan.

CONGRESSIONAL INTEREST: Granger, TX-12 and Burgess, TX-24

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Clear Creek, Texas

AUTHORIZATION: Flood Control Act of 1968

LOCATION: The project is located in Harris, Galveston and Brazoria Counties, Texas.

DESCRIPTION: The authorized project consists of approximately 15.3 miles of channel enlargement and bends easing, more stringent regulations restricting development of the 100-year floodplain, and a second outlet channel with a gated structure between Clear Lake and Galveston Bay. The local sponsors are the Harris County Flood Control District (acting for Harris County), Galveston County and, for the General Reevaluation Report and Environmental Impact Statement (GRR), Brazoria Drainage District No.4.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u> *
Estimated Federal Cost	\$ 112,920,000
Estimated Non-Federal Cost	\$ 64,690,000
Cash	\$ 8,880,000
Other	\$ 55,810,000
Total Estimated Cost	\$ 177,610,000
Allocation thru FY 2008	\$ 33,134,000
Allocation for FY 2009	\$ 478,000
Allocation for FY 2010	\$ 1,211,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 78,097,000
Benefit to Cost Ratio @ 7% (1.0)	

*Based on the original authorized estimate, updated to 1 Oct 09 prices.

FY 2010 ACTIVITIES: FY 2010 activities include revising the GRR to incorporate comments received during the Agency Technical Review (ATR), the Independent External Peer Review (IEPR) and the Alternative Formulation Briefing (AFB) that were conducted in FY2009. Once revised, the GRR will go through a second round of the above mentioned reviews. In addition, certification of the environmental model and the Value Engineering Report will be completed.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion date for construction of the project is 1st quarter of FY 2023.

OTHER INFORMATION: Construction of the project was stopped in 1997 as local citizens groups no longer supported the authorized plan. Since then, the Corps and Harris County Flood Control District have been working to reformulate the project to eliminate induced flooding issues caused by the original project, and to reduce the environmental impacts from construction of the project. The upstream and downstream interests are diametrically opposed. Upstream interests seek flood relief, while the downstream interests do not want any flood damage reduction features to bring additional water into the Clear Lake area. The General Reevaluation Report (GRR) is ongoing.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (TX); Congressmen Al Green (TX-9), Olson (TX-22) and Paul (TX-14)

DISTRICT: Galveston

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Dallas Floodway Extension, Trinity River Project, TX

AUTHORIZATION: RHA 65 (Flood Risk Management); WRDA 96, Sec 351 (credits); WRDA 99, Sec 356 (ecosystem restoration and recreation)

LOCATION: The project area is located directly south of the Central Business District in metropolitan Dallas, Dallas County, Texas.

DESCRIPTION: The project consists of a 3.7 mile long Chain of Wetlands, two SPF levees, 123 acres of wetlands for ecosystem restoration, realignment of the Trinity River at IH-45, 31 miles of linear recreation and 1,179 acres of mitigation.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 262,070,000
Estimated Non-Federal Cost \$	159,885,000
Cash	\$ 20,500,000
Other	\$ 139,385,000
Total Estimated Cost \$	421,955,000
Allocation thru FY 2008	\$ 79,593,000
Allocation for FY 2009	\$ 13,000,000
Allocation for FY 2010	\$ 12,594,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after (BY)	\$ 156,883,000
Benefit to Cost Ratio @ 7% (2.0%)	0.8

FY 2010 ACTIVITIES: Funds are being used to complete the establishment of native riparian grasslands surrounding the Lower Chain of Wetlands; continue development of the wetlands; award a contract for the design of the Lamar Street Levee; award a contract for the design of the Cadillac Heights Levee; award a contract for the design of the Rochester Park Levee; and complete design of the Upper Chain of Wetlands.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2016

OTHER INFORMATION: Project Cost Estimate has increased from \$210,508,000 to \$421,955,000, primarily due to the following reasons: (1) Land Costs were grossly underestimated in the original estimate, (2) Design and construction costs for the levees have significantly increased due to design criteria changes and newly discovered foundation concerns, and (3) Excavated material from the proposed wetlands was deemed to be unsuitable for levee construction, due to lead contamination.

CONGRESSIONAL INTEREST: TX-30, Johnson

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Graham, TX (Brazos River Basin)

AUTHORIZATION: WRDA 99, Sec 101 (a)(30)

LOCATION: City of Graham, Young County, Texas.

DESCRIPTION: The project consists of a buy-out of 113 structures, mostly residential; creation of a local trail system connecting two existing park areas for recreation; installation of a flood warning system estimated to provide a 12-hour warning time; and, ecosystem restoration of 129 acres.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 10,031,000
Estimated Non-Federal Cost	\$ 5,401,000
Cash	\$ 704,000
Other	\$ 4,497,000
Total Estimated Cost \$	15,432,000
Allocation thru FY 2008	\$ 2,075,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 484,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 7,472,000
Benefit to Cost Ratio @ 7%	1.5

FY 2010 ACTIVITIES: Funds are being used to continue real estate acquisition and demolition of residential structures.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2013

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Neugebauer, TX-19

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Hunting Bayou, Texas

AUTHORIZATION: Section 101(a)21 of WRDA 1990 (Part of Buffalo Bayou and Tributaries); and Section 211(f)(7) of WRDA 1996 (Reimburse sponsor).

LOCATION: This project is located in North East Central Houston, Texas within Harris County.

DESCRIPTION: The authorized project consists of 14.3 miles of stream improvements, in line and off line detention basins, recreation trails, picnic facilities, parking areas, and a comfort station. The project will reduce the number of structures subject to the 100 year storm event from 7,000 to 1,400.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Construction</u>
Estimated Federal Cost	\$	104,093,000
Estimated Non-Federal Cost	\$	88,007,000
Cash		\$ 88,007,000
Other		\$ 0
Total Estimated Cost	\$	192,100,000
Allocation thru FY 2008		\$ 1,335,000
Allocation for FY 2009		\$ 0
Allocation for FY 2010		\$ 100,000
Recovery Act Allocations to Date		\$ 0
Balance to Complete after FY 2010		\$ 102,658,000
Benefit to Cost Ratio @ 7% (9.1%)		

FY 2010 ACTIVITIES: FY 2010 activities include feasibility scoping meeting and continued oversight of GRR.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Obtain ASA(CW) approval by Summer 2012 of the GRR.

OTHER INFORMATION: Section 211 of WRDA 96 authorized non-Federal interests to plan, design, and construct Federal flood control projects, and after approval of the GRR by ASA(CW) be reimbursed up to the Federal share of costs for the work accomplished. The non-Federal sponsor is Harris County Flood Control District (HCFCD).

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX), and Representatives Jackson-Lee (TX-18), Culberson (TX-7) and G. Green (TX-29).

DISTRICT: Galveston

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Sims Bayou, Texas

AUTHORIZATION: WRDA 1986, amended by Energy and Water Appropriations Act of 1990, modified by WRDA of 1992.

LOCATION: This project is located in south central Houston, Texas within Harris County.

DESCRIPTION: This project provides flood damage reduction for a 25-year frequency flood. The project consists of 19.3 miles of channel improvements and erosion control with environmental quality measures and recreational features.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Construction</u>
Estimated Federal Cost	\$	287,192,000
Estimated Non-Federal Cost	\$	127,253,000
Cash		\$ 24,304,000
Other	\$	102,949,000
Total Estimated Cost	\$	414,445,000
Allocation thru FY 2008		\$ 221,011,000 <u>1/</u>
Allocation for FY 2009		\$ 20,426,000 <u>2/</u>
Allocation for FY 2010		\$ 20,736,000
Recovery Act Allocations to Date		\$ 21,039,000 <u>3/</u>
Balance to Complete after FY 2010		\$ 3,980,000 <u>4/</u>
Benefit to Cost Ratio @ 7% (8.5%)		

1/ Includes \$5,000,000 Supplemental

2/ Includes \$1,000,000 Supplemental

3/ Includes \$13,300,000 Recovery Act Funds to be received in FY10

4/ Balance to complete is for the Recreation Feature

FY 2010 ACTIVITIES: FY 2010 activities include to close out tree planting at Reach 6 and 7a, channel improvement at Reach 7a; continue construction on Reach 7b, Reach 8a, sediment removal and MLK Plug removal; award and start construction of reach 8b (So. Post Oak to Croquet).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2010

OTHER INFORMATION: The Local Sponsor is Harris County Flood Control District. The project is 78% complete. Current budget guidance precludes execution of the Recreation PCA with the City of Houston until funds are included in the Corps budget or specifically appropriated by Congress for the project recreation features.

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX), and Representatives Paul (TX-14), Olson (TX-22), and Edwards (TX-17).

DISTRICT: Galveston

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Adams Creek, Wagoner, OK.

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended (CAP – Small Flood Control)

LOCATION: Adams Creek is located in Wagoner County, about 20 miles southeast of Tulsa, OK.

DESCRIPTION: Flooding problems associated with this watershed are over bank flows exceeding the limited channel capacity on Adams Creek on the average of once every 2 to 5 years. A feasibility study would determine if a viable solution to reducing flood damages could be implemented. Wagoner County, OK would be the non-Federal sponsor.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost \$	350,000
Estimated Non-Federal Cost \$	250,000
Cash \$	230,000
Other	\$ 20,000
Total Estimated Cost \$	600,000
Allocation thru (BY-2) FY 2008	\$ 0
Allocation for (BY-1) FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 90,000
Balance to Complete after FY 2010	\$ 260,000
Benefit to Cost Ratio @ 7%	n/a

FY 2010 ACTIVITIES: Funds in the amount of \$90,000 will be used to initiate a preliminary assessment of the potential project to determine if a viable solution to reducing flood damages could be implemented within existing Federal authorities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Typical Corps alternatives used for flood control purposes would include structural measures such as levees, channelization and upstream floodwater detention structures. Non-structural measures such as floodplain acquisition and early warning systems would also be explored.

CONGRESSIONAL INTEREST: Senators Inhofe & Coburn, OK; Congressman Sullivan, OK-1.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Cienegas Creek, Del Rio, TX

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The city of Del Rio, Texas, is located in Val Verde County, approximately 152 miles west of San Antonio, Texas, on the border with Mexico. The Cantu Branch watershed is located entirely within the Val Verde County limits and partially within the city of Del Rio. Cantu Branch is a major tributary of Cienegas Creek, which is a minor tributary of the Rio Grande River, below Amistad Dam. The headwaters of Cantu Branch are located about 6 miles north of downtown Del Rio and the stream flows in a generally southwesterly direction.

DESCRIPTION: Preliminary formulation indicated Federal interest and economic justification for a recommended plan that included various features like diversion berms in reach one, buy-out of structures in reach two, and channel modification in reach three. The non-Federal sponsor is Val Verde County in cooperation with the city of Del Rio.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 4,484,000
Estimated Non-Federal Cost	\$ 2,490,000
Cash	\$ 1,640,000
Other	\$ 850,000
Total Estimated Cost	\$ 6,974,000
Allocation thru FY 2008	\$ 382,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 50,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 4,052,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Activities include updating current conditions and re-evaluation of alternatives prior to completing plan formulation and finalizing the Detailed Project Report. FY 2010 funds will be used to draft and negotiate a Project Partnership Agreement.

EARLIEST ATTAINABLE COMPLETION FY OR PHASE: Scheduled completion dates for feasibility is March of 2011 and for construction, is May 2015.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Rodriguez, TX-23

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Colorado River at Caldwell Lane, Travis County, TX

AUTHORIZATION: Flood Control Act of 1946 (Public Law 79-526), Section 14, as amended

LOCATION: The study area is located north of the town of Garfield in southeastern Travis County, approximately 12 miles southeast of Austin, TX. The erosion is occurring along a 2,000-foot reach of the Colorado River within a moderate bend.

DESCRIPTION: The erosion and subsequent slope failure is caused by the continuous undercutting of the bank toe along the river channel in an area where there is an insufficient base to support the upper portion of the bank. This slope failure is further exacerbated when the top of the bank becomes saturated. The erosion has left a 30- to 40-foot nearly vertical bank, void of vegetation, over an approximate 1,000-foot reach. At its narrowest point, the top of the bank is less than 10 feet from the water supply facility owned and operated by the city of Garfield and less than 50-feet from the edge of Caldwell Lane, which provides the only access for a residential subdivision. The non-Federal sponsor is Travis County.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 1,500,000
Estimated Non-Federal Cost	\$ 490,000
Cash	\$ 490,000
Other	\$ 0
Total Estimated Cost	\$ 1,990,000
Allocation thru FY 2008	\$ 150,000
Allocation for FY 2009	\$ 5,000
Allocation for FY 2010	\$ 110,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 1,235,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to execute the Project Partnership Agreement and complete detailed design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The scheduled completion date for design and implementation is May 2012.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Doggett, TX-25

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Coweta, OK.

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended (CAP – Small Flood Control)

LOCATION: The town of Coweta, OK. is located in Wagoner County, about 30 miles southeast of Tulsa, Oklahoma.

DESCRIPTION: Flooding problems associated with this watershed are over bank flows exceeding the limited channel capacity on Coweta Creek on the average of once every 2 to 5 years. A feasibility study would determine if a viable solution to reducing flood damages could be implemented. The town of Coweta would be the non-Federal sponsor.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010
		<u>Feasibility</u>
Estimated Federal Cost	\$	350,000
Estimated Non-Federal Cost	\$	250,000
Cash	\$	230,000
Other		\$ 20,000
Total Estimated Cost	\$	600,000
Allocation thru (BY-2) FY 2008		\$ 0
Allocation for (BY-1) FY 2009		\$ 0
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010		\$ 80,000
Balance to Complete after FY 2010		\$ 270,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Funds in the amount of \$80,000 will be used to initiate a preliminary assessment of the potential project to determine if a viable solution to reducing flood damages could be implemented within existing Federal authorities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Typical Corps alternatives used for flood control purposes would include structural measures such as levees, channelization and upstream floodwater detention structures. Non-structural measures such as floodplain acquisition and early warning systems would also be explored.

CONGRESSIONAL INTEREST: Senators Inhofe & Coburn, OK; Congressman Sullivan, OK-1.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Dyer, Arkansas

AUTHORIZATION: Section 205 of the 1948 Flood Control Act, as amended.

LOCATION: The city of Dyer, Arkansas, is located on the Arkansas River in Crawford County.

DESCRIPTION: In March 2009, the city of Dyer requested that the Little Rock District conduct a small flood damage reduction study for their city. The city has many low lying properties that experience flooding during heavy rain events and these properties have had repeated property losses.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Feasibility</u>
Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$ 100,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 50,000
Benefit to Cost Ratio @ 7%	N/A ^{1/}

^{1/}BC ratio to be determined during feasibility phase

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate the feasibility phase and prepare a milestone report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion for the feasibility phase is FY 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Lincoln and Pryor, AR; Representative Boozman, AR-3.

DISTRICT: Little Rock

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Everman, TX

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The study area is located along Chambers Creek within the city limits of Everman, Texas, approximately 1.2 miles south of Fort Worth. Chambers Creek is a tributary of Village Creek, which is a tributary of the West Fork, Trinity River.

DESCRIPTION: Officials in the city of Everman sent a letter to the Corps asking for assistance under Section 205 Authority to study recurrent flooding problems along Chambers Creek located within their city limits. The most recent flood of significance occurred in July 2004, resulting in damages to 31 homes and the loss of over 400 farm animals.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 450,000
Estimated Non-Federal Cost	\$ 350,000
Cash	\$ 350,000
Other	\$ 0
Total Estimated Cost	\$ 800,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 350,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to make a determination of Federal interest, develop a Project Management Plan, and draft and negotiate a Feasibility Cost Share Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2013

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Burgess, TX-26

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Farmers Branch, Tarrant County, TX

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The project is located within the city limits of White Settlement, Tarrant County, Texas, along Farmers Branch Creek between White Settlement Road and Las Vegas Trail.

DESCRIPTION: The recommended plan is comprised of three components to reduce flood damages along Farmers Branch and its tributary. The plan consists of a 6,500-foot grass and rock-lined channel with widths of cut varying from 55- to 160-feet between White Settlement Road and Las Vegas Trail. The plan also includes a 32-foot bottom-width concrete channel along its tributary at Las Vegas Trail. The last component of the plan will permanently evacuate 39 residential structures and one commercial structure. This plan removes 60 percent of the residents from the 100-year floodplain. The non-Federal sponsor is the city of White Settlement.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 7,000,000
Estimated Non-Federal Cost	\$ 11,333,000
Cash	\$ 3,000,000
Other	\$ 8,333,000
Total Estimated Cost	\$ 18,333,000
Allocation thru FY 2008	\$ 3,045,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 3,955,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to fully fund project construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The scheduled completion date for construction is September 2014.

OTHER INFORMATION: This project has reached the threshold for Federal funds for a Section 205 project so it is the responsibility of the non-Federal sponsor to pay any additional cost for completion of the project at 100 percent.

CONGRESSIONAL INTEREST: Granger, TX-12

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Iola, Kansas.

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended (CAP – Small Flood Control).

LOCATION: Iola is approximately 120 miles east of Wichita, Kansas.

DESCRIPTION: Flooding experienced in 2007 caused significant damages to the community. The non-Federal sponsor is the city of Iola, Kansas.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 350,000
Estimated Non-Federal Cost	\$ 250,000
Cash	\$ 230,000
Other	\$ 20,000
Total Estimated Cost	\$ 600,000
Allocation thru (BY-2) FY 2008	\$ 0
Allocation for (BY-1) FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 35,000
Balance to Complete after FY 2010	\$ 315,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds in the amount of \$35,000 will be used to initiate a preliminary assessment of the potential project to determine if a viable solution to reducing flood damages in Iola could be implemented within existing Federal authorities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Typical Corps alternatives used for flood control purposes would include structural measures such as levees, channelization and upstream floodwater detention structures. Non-structural measures such as floodplain acquisition and early warning systems would also be explored.

CONGRESSIONAL INTEREST: Senators Brownback and Roberts, KS; Congresswoman Jenkins, KS-2.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Kingfisher, OK.

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended (CAP – Small Flood Control)

LOCATION: The city of Kingfisher is located about 50 miles northwest of Oklahoma City, Oklahoma.

DESCRIPTION: The City of Kingfisher, OK experienced severe flooding in June and July 2007. A feasibility study would determine if a viable solution to reducing flood damages could be implemented. The city of Kingfisher would be the non-Federal sponsor.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010
		<u>Feasibility</u>
Estimated Federal Cost	\$	350,000
Estimated Non-Federal Cost	\$	250,000
Cash	\$	230,000
Other		\$ 20,000
Total Estimated Cost	\$	600,000
Allocation thru (BY-2) FY 2008		\$ 0
Allocation for (BY-1) FY 2009		\$ 0
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010		\$ 35,000
Balance to Complete after FY 2010		\$ 315,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Funds in the amount of \$35,000 will be used to initiate a preliminary assessment of the potential project to determine if a viable solution to reducing flood damages could be implemented within existing Federal authorities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Typical Corps alternatives used for flood control purposes would include structural measures such as levees, channelization and upstream floodwater detention structures. Non-structural measures such as floodplain acquisition and early warning systems would also be explored.

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Congressman Cole, OK-4.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Many, LA

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The study area is located within the town limits of Many, in Sabine Parish in west central Louisiana. The flooding problems occur along San Jose, Blackwell, and Phillips Creeks and Harpoon Bayou, which all flow through town.

DESCRIPTION: The town of Many has experienced recurrent flooding from overflows of the San Jose, Blackwell, Phillips Creek and Harpoon Bayou within the town limits. Throughout the years during substantial rainfall events, these creeks have overtopped their banks and flooded adjacent properties. The most recent devastating floods occurred during October and December of 2006, resulting in significant damages to roads, businesses and homes.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 400,000
Estimated Non-Federal Cost	\$ 300,000
Cash	\$ 300,000
Other	\$ 0
Total Estimated Cost	\$ 700,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 300,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to make a determination of Federal interest, develop a Project Management Plan, and draft and negotiate a Feasibility Cost Share Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2013

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Fleming, LA-4

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Neodesha, Kansas.

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended (CAP – Small Flood Control)

LOCATION: The city of Neodesha is located about 100 miles east of Wichita in southeastern Kansas.

DESCRIPTION: Flooding problems associated in this area are characterized by flows along Fall River exceeding channel capacity on the average of one every 2 to 5 years. The city of Neodesha, Kansas, would be the non-Federal sponsor.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$	300,000
Estimated Non-Federal Cost	\$	200,000
Cash	\$	180,000
Other		\$ 20,000
Total Estimated Cost	\$	500,000
Allocation thru (BY-2) FY 2008		\$ 0
Allocation for (BY-1) FY 2009		\$ 0
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010		\$ 10,000
Balance to Complete after FY 2010		\$ 290,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Funds in the amount of \$10,000 will be used to initiate a preliminary assessment of the potential project to determine if a viable solution to reducing flood damages could be implemented within existing Federal authorities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Typical Corps alternatives used for flood control purposes would include structural measures such as levees, channelization and upstream floodwater detention structures. Non-structural measures such as floodplain acquisition and early warning systems would also be explored.

CONGRESSIONAL INTEREST: Senators Brownback and Roberts, KS; Congresswoman Jenkins, KS-2.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: New Braunfels, TX

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The project is located in the south central Texas city of New Braunfels, in Comal and Guadalupe counties, approximately 25 miles north of downtown San Antonio. The problem area identified for study is along the Blieder's Creek watershed within the city limits.

DESCRIPTION: The city of New Braunfels has experienced recurring damages from overflows of Blieder's Creek. A 1998 flood resulted in more than \$1 billion in damages in the region. A flood in 2002 caused widespread destruction amounting to \$750 million in damages. The area was declared a National Disaster following both events.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 500,000
Estimated Non-Federal Cost	\$ 400,000
Cash	\$ 300,000
Other	\$ 100,000
Total Estimated Cost	\$ 900,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 400,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to make a determination of Federal interest, develop a Project Management Plan, and draft and negotiate a Feasibility Cost Share Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2013

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Smith, TX-21 and Cuellar, TX-28

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Oil Trough, White River, Arkansas

AUTHORIZATION: Section 205 of the 1948 Flood Control Act, as amended.

LOCATION: The city of Oil Trough, Arkansas, is located on the White River in Independence County.

DESCRIPTION: The city of Oil Trough requested that the Little Rock District conduct a small flood damage reduction study of the city. There is concern with the flooding of several structures in this area, including the local fire department and two churches. The high water events of March and April 2008 further intensified the flooding problems at this site.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Feasibility</u>
Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$ 100,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 50,000
Benefit to Cost Ratio @ 7%	N/A ^{1/}

^{1/}BC ratio to be determined during feasibility phase

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate the feasibility phase and prepare a milestone report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion for the feasibility phase is FY 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Lincoln and Pryor, AR; Representative Berry, AR-1.

DISTRICT: Little Rock

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Palo Duro Creek, Canyon, TX.

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended

LOCATION: Palo Duro Creek, which flows through the city of Canyon, Texas, is located in the Texas panhandle, approximately 30 miles south of Amarillo, Texas.

DESCRIPTION: Flooding of Palo Duro Creek has caused significant damages, including loss of life. Major floods occurred in 1951, 1968, and 1978. A feasibility study would determine if a viable solution to reducing flood damages in Canyon could be implemented. The city of Canyon, TX, would be the non-Federal sponsor.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost \$	350,000
Estimated Non-Federal Cost \$	250,000
Cash \$	230,000
Other	\$ 20,000
Total Estimated Cost \$	600,000
Allocation thru (BY-2) FY 2008	\$ 0
Allocation for (BY-1) FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 65,000
Balance to Complete after FY 2010	\$ 285,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds in the amount of \$65,000 will be used to initiate a preliminary assessment of the potential project to determine if a viable solution to reducing flood damages could be implemented within existing Federal authorities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Typical Corps alternatives used for flood control purposes would include structural measures such as levees, channelization and upstream floodwater detention structures. Non-structural measures such as floodplain acquisition and early warning systems would also be explored. The study would also investigate measures to restore the riparian ecosystem of Palo Duro Creek.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchinson, TX; Congressman Thornberry, TX-13.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Ponca Tribal Grounds, Erosion Control Project, Ponca City, OK.

AUTHORIZATION: Section 14 of the 1946 Flood Control Act, as amended (CAP – Emergency Streambank Protection).

LOCATION: The Ponca Tribal grounds, located near Ponca City OK, approximately 100 miles northeast of Oklahoma City, OK,

DESCRIPTION: The Ponca Tribal grounds are experiencing erosion concerns due to the lateral migration of the Arkansas River. These erosion concerns have the potential to significantly affect the use of the tribal ceremonial grounds. The potential project sponsor is the Ponca Tribe of Oklahoma.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Preliminary Design Analysis</u>
Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 100,000
Allocation thru (BY-2) FY 2008	\$ 0
Allocation for (BY-1) FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 15,000
Balance to Complete after FY 2010	\$ 85,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Funds in the amount of \$15,000 will be used to initiate a preliminary design analysis (PDA) of the potential project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Congressman Lucas, OK-3.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Post Oak Creek, Corsicana, TX

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The project is located in the city of Corsicana, Texas, along Post Oak Creek. The Post Oak Creek watershed encompasses approximately 10 square miles above Interstate Highway 45 and is approximately 4 miles long and 2.5 miles wide. The creek originates a few miles west of Corsicana and flows north to Soil Conservation Service (SCS) Dam 139.

DESCRIPTION: The city of Corsicana has experienced flooding along Post Oak Creek and its tributaries. Problems in the area include heavy encroachment within the flood plains, high volumes of runoff due to large amounts of impervious surfaces, localized erosion, narrow stream corridors, large numbers of outdated bridges and culverts resulting in poor conveyance, and debris within the stream beds. The most recent major flood events were in March 1990 and May 1989. The 1989 flood resulted in 308 structures being flooded. About 17.4% of the structures reported damages totaling about \$2,700,000.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$ 4,829,000
Estimated Non-Federal Cost	\$ 2,767,000
Cash	\$ 1,703,000
Other	\$ 1,064,000
Total Estimated Cost	\$ 7,596,000
Allocation thru FY 2008	\$ 497,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 82,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 4,250,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to complete the feasibility phase of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Feasibility is scheduled to be completed in FY 2010 and construction is scheduled to be completed in September 2014.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Barton, TX-6

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Rio Grande and Unnamed Tributary, TX

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The city of Eagle Pass is located along the Rio Grande River just north of the Mexico border in Maverick County, Texas. The problem site is located along an unnamed tributary of the Rio Grande partly within the city limits on the eastern portion of Eagle Pass and partly within unincorporated areas of Maverick County.

DESCRIPTION: Major flooding events caused by tropical storms have occurred in Eagle Pass in 1954, 1963, 1964, 1970, 1983, 1998, and 2001. The August 1998 event, triggered by Hurricane Charley, caused rainfall amounts near 20 inches in a 24-hour period in nearby Del Rio. The same storm event in Eagle Pass caused evacuation of over 2,400 homes and businesses. Another event in September 2001 caused about 6-8 inches of rain to fall in less than 6 hours. Flood damage reduction features could include, but are not limited to, upstream detention; expansion, repair and/or replacement of existing levees; nonstructural buyout and removal of flood prone properties; and channelization or diversion of the unnamed tributary of the Rio Grande River.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 5,350,000
Estimated Non-Federal Cost	\$ 2,990,000
Cash	\$ 2,140,000
Other	\$, 850,000
Total Estimated Cost	\$ 8,340,000
Allocation thru FY 2008	\$ 100,000
Allocation for FY 2009	\$ 5,000
Allocation for FY 2010	\$ 350,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 4,895,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds will be used to execute the Feasibility Cost Share Agreement and fully fund completion of the feasibility phase of the study.

EARLIEST ATTAINABLE COMPLETION FY F OR PHASE: Scheduled completion dates for feasibility is December of 2012 and for construction, is May 2016.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Rodriguez, TX-23

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Robinson, TX

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The project is located along Flat Creek within the city limits of Robinson, Texas, approximately 10 miles south of Waco in McLennan County.

DESCRIPTION: There has been recurrent flooding along Flat Creek in the city of Robinson that has affected residents of the Robindale neighborhood. Neighbors feel that the cause is increased development upstream. City officials say that the problem is more complex than that, since there are many jurisdictions involved, and have asked the Corps of Engineers for technical assistance.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 450,000
Estimated Non-Federal Cost	\$ 350,000
Cash	\$ 350,000
Other	\$ 0
Total Estimated Cost	\$ 800,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 350,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to make a determination of Federal interest, develop a Project Management Plan, and draft and negotiate a Feasibility Cost Share Agreement.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2012

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Edwards, TX-17

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Roger's Hill at Aquilla Creek, McLennan County, TX

AUTHORIZATION: Flood Control Act of 1946 (Public Law 79-526), Section 14, as amended

LOCATION: The study area is located in McLennan County approximately 8 miles west of the town of West, Texas, on Roger's Hill Road at Aquilla Creek. Aquilla Creek is a tributary of the Brazos River. The study area is located between the confluence of the creek with the river and downstream of Aquilla Lake, a Corps of Engineers reservoir.

DESCRIPTION: The erosion and subsequent bank failure is caused by in part by continuous releases from the reservoir and high velocities from uncontrolled flood events from Aquilla Creek and its tributaries. The cut bank side of the creek is within five feet of Roger's Hill Road and threatens not only the road but a newly constructed multi-million dollar bridge and an old historic bridge. The road serves as the main access to the Brookhaven Youth Ranch, a long-term residential treatment center that services emotionally disturbed adolescent boys, and Day Springs Camp Ground Ministries, an all-ages camp that operates year round. The non-Federal sponsor is McLennan County.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 1,500,000
Estimated Non-Federal Cost	\$ 754,000
Cash	\$ 754,000
Other	\$ 0
Total Estimated Cost	\$ 2,254,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 1,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 1,499,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to initiate feasibility.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The scheduled completion date for feasibility is September 2010 if the Fort Worth District can reprogram Federal funds from a completed Section 14.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Edwards, TX-17

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT/STUDY NAME: Sedgwick, KS. Little Arkansas River Watershed.

AUTHORIZATION: Section 205, Flood Control Act of 1948, as amended (CAP – Small Flood Control)

LOCATION: The city of Sedgwick is located in Harvey County about 20 miles northwest of Wichita in south-central Kansas.

DESCRIPTION: The city lies adjacent to the confluence of the Little Arkansas River and its tributaries, Emma and Sand Creeks. Flooding problems associated in this area are characterized by flows on the Little Arkansas River and Sand Creek exceeding channel capacity on the average of once every 2 to 5 years. The city of Sedgwick, Kansas would be the non-Federal sponsor.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$	350,000
Estimated Non-Federal Cost	\$	250,000
Cash	\$	230,000
Other		\$ 20,000
Total Estimated Cost	\$	600,000
Allocation thru (BY-2) FY 2008		\$ 0
Allocation for (BY-1) FY 2009		\$ 0
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010		\$ 30,000
Balance to Complete after FY 2010		\$ 320,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Funds in the amount of \$30,000 will be used to initiate a preliminary assessment of the potential project to determine if a viable solution to reducing flood damages could be implemented within existing Federal authorities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2012.

OTHER INFORMATION: Typical Corps alternatives used for flood control purposes would include structural measures such as levees, channelization and upstream floodwater detention structures. Non-structural measures such as floodplain acquisition and early warning systems would also be explored.

CONGRESSIONAL INTEREST: Senators Brownback & Roberts, KS; Congressman Tiahrt, KS-4.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

PROJECT NAME: Town Branch, Corsicana, TX

AUTHORIZATION: Flood Control Act of 1948 (Public Law 80-858), Section 205, as amended

LOCATION: The study area includes Town Branch Creek within the city of Corsicana, Texas. Corsicana is the county seat of Navarro County and is located approximately 67 miles southeast of Fort Worth. The Town Branch Creek watershed encompasses approximately 1.36 square miles and is 2.4 miles in length. The stream originates in the south-central portion of the city and flows easterly until its confluence with Mesquite Branch Creek. Although the watershed for this stream is small, high discharges are experienced during heavy rainfall.

DESCRIPTION: Problems in the area include: heavy encroachment within the floodplains; high volumes of runoff due to large amounts of impervious surfaces; localized erosion; narrow stream corridors; large numbers of outdated bridges and culverts resulting in poor conveyance; and debris within the stream beds. The non-Federal sponsor is the city of Corsicana.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 3,910,000
Estimated Non-Federal Cost	\$ 2,190,000
Cash	\$ 1,090,000
Other	\$ 1,100,000
Total Estimated Cost	\$ 6,100,000
Allocation thru FY 2008	\$ 95,000
Allocation for FY 2009	\$ 5,000
Allocation for FY 2010	\$ 300,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 3,510,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to execute the Feasibility Cost Share Agreement, update the Project Management Plan and begin plan formulation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Scheduled completion for the feasibility phase is September 2012 and scheduled completion for design and implementation is December 2015.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Barton, TX-6

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Tucker Creek Levee, Arkansas

AUTHORIZATION: Section 205 of the 1948 Flood Control Act, as amended.

LOCATION: Tucker Creek Levee is located in Faulkner County, Arkansas, near the town of Conway.

DESCRIPTION: In May 2008, Faulkner County Levee District No. 1 requested that the Little Rock District conduct a small flood damage reduction study of Tucker Creek Levee near the town of Conway, Arkansas. Increasing urbanization in the Tupelo Bayou and Tucker Creek basins within the levee's protected area have aggravated interior flood flows that require a pumping station to evacuate water when the Arkansas River stages are high.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$ 100,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 50,000
Benefit to Cost Ratio @ 7%	N/A ^{1/}

^{1/}BC ratio to be determined during feasibility phase

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate the feasibility phase and prepare a milestone report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion for the feasibility phase is FY 2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Lincoln & Pryor, AR; Representative Snyder, AR-2.

DISTRICT: Little Rock

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies

BUSINESS LINE: Flood and Coastal Storm Damage Reduction

STUDY NAME: Walker Creek, Missouri (Van Buren, Missouri)

AUTHORIZATION: Section 205 of the 1948 Flood Control Act, as amended.

LOCATION: The city of Van Buren is located in Carter County, Missouri, northwest of Poplar Bluff, Missouri.

DESCRIPTION: The city of Van Buren, Missouri, requested a small flood damage reduction study on Walker Creek. The project is needed to prevent flooding of several structures along Walker Creek.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$ 100,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 50,000
Benefit to Cost Ratio @ 7%	N/A ^{1/}

^{1/}BC ratio to be determined during feasibility phase

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate the feasibility phase and prepare a milestone report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion for the feasibility phase is FY 2011.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Representative Emerson MO-8

DISTRICT: Little Rock

NAVIGATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

STUDY NAME: Freeport Harbor, Texas

AUTHORIZATION: Section 216 of the 1970 Flood Control Act.

LOCATION: The project is located along the mid Texas Gulf Coast in the vicinity of Freeport in Brazoria County, Texas. It provides for a 47 foot deep, 400 foot wide entrance channel; 45 foot deep, 400 foot wide main channel; 45 foot deep, 750 foot diameter turning basin; a 45 foot deep, 1000 foot diameter Brazos Port Turning Basin; a 45 foot deep, 1200 foot diameter Upper Turning Basin, 36 foot deep, 200 foot wide Brazos Harbor channel; and 36 foot deep, 750 foot diameter Brazos Harbor turning basin. The locally preferred plan increases the depth of the main channel to 55 ft and the width to 600 ft.

DESCRIPTION: The non-Federal sponsor is Port Freeport. Freeport Harbor is an important port for imported petroleum products, exported petrochemicals, and general cargo. The existing channel is not sufficiently deep to fully load the existing tanker fleet serving Freeport Harbor. Further, the 400-foot wide entrance and main channels limit Freeport Harbor to one-way traffic for all vessels and daylight-only operation for larger vessels. The light-loading, one-way traffic and daylight-only operation results in significantly higher costs to users than would be experienced if the harbor were enlarged and deepened. Port Freeport would like to receive approval to initiate channel widening work in January 2010.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY2010 <u>FEASIBILITY</u>
Estimated Federal Cost	\$3,740,000
Estimated Non-Federal Cost	\$3,615,000
Cash	(3,615,000)
Other	(0)
Total Estimated Cost	\$7,335,000
Allocation thru FY 2008	\$2,784,000
Allocation for FY 2009	\$382,000
Allocation for FY 2010	\$574,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ (7%)	NA

FY 2010 ACTIVITIES: FY10 activities include completing the Feasibility Report and the Environmental Impact Statement and associated public and Washington-level reviews.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE : The earliest attainable completion FY for the feasibility study is FY 2011.

OTHER INFORMATION: The Chief's Report will be completed in April 2011, therefore completing the feasibility phase of the study.

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX); Representative Paul (TX-14), Edwards (TX-17), and Olson (TX-22)

DISTRICT: Galveston

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Navigation

STUDY NAME: Sabine Neches Waterway, Texas

AUTHORIZATION: House Resolution dated 5 June 1997

LOCATION: The existing waterway consists of a jettied entrance channel, 42 feet deep and 500 to 800 feet wide, from the Gulf of Mexico; a channel 40 feet deep and 400 feet wide to Beaumont via the Neches River; and a channel 30 feet deep and 200 feet wide to Orange via the Sabine River.

DESCRIPTION: The Sabine-Neches Waterway is a federally constructed deep-draft channel, which serves the Ports of Port Arthur, Beaumont, and Orange, Texas. The study is investigating navigation modifications up to the Port of Beaumont to improve the efficiency and safety of navigation on the waterway.

<u>SUMMARIZED FINANCIAL DATA:</u>	FY2010 <u>FEASIBILITY</u>
Estimated Federal Cost	\$ 8,014,000
Estimated Non-Federal Cost	7,889,000
Cash	0
Other	0
Total Estimated Study Cost	\$15,903,000
Allocation thru FY 2008	\$ 7,446,000
Allocation for FY 2009	478,000
Allocation for FY 2010	90,000
Balance to Complete after FY 2010	0
Benefit to Cost Ratio @ (7%)	0.9

FY 2010 ACTIVITIES: FY10 activities include revising, preparing, and finalizing the Final Report, HQ submittal and Public Review, Final HQ Review, conducting the Civil Works Review Board meeting, and supporting the project through the end of Washington Level Review and Chief's Report in September 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion FY for the feasibility phase is FY 10 (September).

OTHER INFORMATION: The benefit to cost ratio at 4.375% is 1.3 to 1. The non-Federal sponsor for the study is the Sabine-Neches Navigation District. The study is scheduled to be completed with issuance of the Chief of Engineer's Report in September 2010.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (both TX); Congressmen Poe (TX-2) and Edwards (TX-17) and Boustany (LA-7).

DISTRICT: Galveston

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME: Corpus Christi Ship Channel, Texas; La Quinta Channel Extension

AUTHORIZATION: Section 1001(40), Water Resources Development Act of 2007

LOCATION: The project is located along the south-central gulf coast of Texas in Nueces County.

DESCRIPTION: The existing project provides for a 45-foot deep draft channel that extends from deep water in the Gulf of Mexico through a jettied entrance channel and across Corpus Christi Bay, 34.1 miles inland, serving the ports at Corpus Christi, Ingleside, Harbor Island, and the La Quinta Channel. The authorized project consists of three separable elements: 1) extend the La Quinta channel one and one-half miles at 39 feet; 2) deepen the Corpus Christi Ship Channel to 52 feet, widen to 530 feet, and 3) add barge lanes on both sides of the main channel across Corpus Christi Bay.

<u>SUMMARIZED FINANCIAL DATA (\$000) C</u>	<u>FY 2010 Construction</u>
Estimated Federal Cost	\$138,433,000
Estimated Non-Federal Cost	117,644,000
Cash	89,697,000
Other	27,947,000
Total Estimated Cost	\$339,865,000
Allocation thru FY 2008	\$1,564,000
Allocation for FY 2009	1,148,000
Allocation for FY 2010	921,000
Recovery Act Allocations to Date	2,250,000
Balance to Complete after FY 2010	\$132,550,000
Benefit to Cost Ratio @ 7%	1.97

FY 2010 ACTIVITIES: FY10 activities include initiating and completing the construction of Placement Area 14 using ARRA funds. Regular Construction funds will be used to initiate a Limited Reevaluation Report (LRR) to update the benefits and costs for the remaining separable element of the Authorized Project, the Main Channel and Barge Shelves, and to determine if the total project cost estimate for the overall Corpus Christi Ship Channel will exceed the 902 limit.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion for the new Upland PA14 construction contract is June 2010.

OTHER INFORMATION: The recommended plan of improvement will deepen the channel to 52 feet, widen to 530 feet, add barge lanes on both sides of the channel across Corpus Christi Bay, and extend the La Quinta Channel one and one-half miles at a depth of 39 feet. Construction of this project was authorized in WRDA 2007. A Limited Re-evaluation is currently required to update the project economics and costs. The Sponsor's priority is to construct the La Quinta Channel Extension and Eco system Restoration.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (TX); Congressmen Edwards (TX-17), Paul (R-14) and Ortiz (TX-27).

DISTRICT: Galveston

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation & Environmental

PROJECT NAME: Houston-Galveston Navigation Channels, Texas

AUTHORIZATION: Section 101(a) (30) WRDA 96 and Energy and Water Development Appropriations Act of 2001, Section 1(a)(2) of P.L. 106-377.

LOCATION: The Project is located in Galveston Bay, Texas in Chambers, Galveston and Harris Counties near the cities of Galveston and Houston.

DESCRIPTION: The Project enlarges the Houston Ship Channel and the Galveston Channel, deepens the entrance channel to the Galveston Harbor and Channel and extends the channel an additional 3.9 miles in the Gulf of Mexico. Dredge materials will be used to construct environmental restoration sites including marsh and bird islands.

<u>SUMMARIZED FINANCIAL DATA</u>	<u>FY 2010</u> <u>Construction</u>
Estimated Federal Cost	\$621,463,000
Coast Guard	\$ 7,203,000
Estimated Non-Federal Cost	\$217,574,000
Cash	\$204,979,000
Other	\$ 12,595,000
Total Estimated Cost	\$846,240,000
Allocation thru FY 2008	\$390,463,000 <u>1/</u>
Allocation for FY 2009	\$ 21,244,000 <u>2/</u>
Allocation for FY 2010	\$ 242,000
Recovery Act Allocations to Date	\$ 85,413,000
Balance to Complete after FY2010	\$124,101,000
Benefit to Cost Ratio @ 7% (5.94)	

1/ Includes \$4,217,000 Supplemental Funding

2/ Includes \$8,000,000 Supplemental Funding

FY 2010 ACTIVITIES: FY 2010 activities include continuing construction associated with the Multiple Site Repair Phase I, Alexander, Atkinson Marsh Cells 5 and 6, Placement Areas 14 and 15 contracts. Award contract for Multiple Site Repairs Phase II, to include the construction of 200 acres of Marsh at Bolivar, and award of contract to expand and increase capacity at Placement Areas 14&15. In addition, grass plantings will occur within the Bolivar and Atkinson Island Marsh complexes.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion date for construction of the project is FY 2010.

OTHER INFORMATION: Deepening of the channel to 45' was completed in June 2005. Remaining work consists of construction of the ecosystem restoration features of the project. These features include beneficial use of dredged material through construction of marsh cells, which will provide placement capacity for future maintenance dredging. The deepened channel has experienced a higher than anticipated shoaling rate. This increased shoaling rate has negatively impacted the capacity of placement areas resulting in an acceleration of the projects future construction schedule for marsh cells. To address this issue, a revised Dredged Material Management Plan (DMMP) is under development. A revised schedule for the construction of future marsh cells will be provided under this project upon completion of DMMP. A separate construction decision will be made in the fiscal year that additional placement area (marsh cells) must be constructed.

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX), and Representatives Paul (TX - 14), Olson (TX-22), and Edwards (TX-17).

DISTRICT: Galveston

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME: Texas City Channel, Texas

AUTHORIZATION: Section 201 (a) of Water Resources Development Act (WRDA) 1986, Public Law 99-662.

LOCATION: The Texas City Channel is located on the northern Texas coast in Galveston Bay. It is adjacent to Texas City, Galveston County.

DESCRIPTION: The channel intersects with the Houston/Galveston Navigation Channel. The project will deepen the existing navigation channel to a 45-foot depth from the Texas City Turning Basin to the Houston Ship Channel.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 58,553,000
Estimated Non-Federal Cost	\$ 19,517,000
Cash	\$ 19,517,000
Other	\$ 0
Total Estimated Cost	\$ 78,070,000
Allocation thru FY 2008	\$ 6,251,000
Allocation for FY 2009	\$ 1,914,000
Allocation for FY 2010	\$ 6,637,000
Recovery Act Allocations to Date	\$ 43,751,000
Balance to Complete after FY2010	0
Benefit to Cost Ratio @ 7% (5.94)	

FY 2010 ACTIVITIES: FY 10 activities include award of design-build contract for the main channel and placement areas, award of contract for completing the deepening of the Turning Basin (small portion filled with debris needs to be completed), completion of Westfield Recovery Phases I and II and award of contract for Westfield Data Conservation (Phase III).

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion date for construction of the project is FY 2011.

OTHER INFORMATION: The existing navigation project is a 40-foot deep 400-foot wide channel, 6.5 miles long from the Texas City Turning Basin to the Houston Ship Channel. In 2004, the Port of Texas City handled over 65 million short tons of crude oil, petroleum products and chemical products and was ranked the ninth largest port in the U.S. Refined petroleum products processed in Texas City are distributed throughout the Nation, including California and Oklahoma. A significant amount of the crude oil destined for the Strategic Oil Reserve moves through the Port of Texas City. The sponsor has requested construction of a 45-foot deep channel. A 50-foot project was authorized under WRDA 86 but was never built. The current project consists of deepening the channel to 45 feet and construction of 5 new dredged material placement areas that will ultimately be converted into emergent marsh.

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX), and Representatives Paul (TX - 14), Olson (TX-22), and Edwards (TX-17).

DISTRICT: Galveston

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT NAME: Galveston Island Harbor, Texas

AUTHORIZATION: Section 107 of the River & Harbor Act of 1960, as amended.

LOCATION: The project is located on the north shore of Galveston Island immediately south of the GIWW in Galveston, Texas.

DESCRIPTION: The study is addressing the feasibility of a commercial navigation channel that would permit the entry and use of the harbor by large oil field service vessels, jack-up rigs and floating structures, and seagoing tugs and barges that cannot presently navigate in the area.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 452,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$ 452,000
Allocation thru FY 2008	\$ 52,000
Allocation for FY 2009	0
Allocation for FY 2010	200,000
Recovery Act Allocations to Date	0
Balance to Complete after FY 2010	\$ 152,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 activities include re-initiation of the Feasibility/Plans & Specifications Phase to include continuing the Detailed Project Report (DPR). The Project Management Plan will be revised and reevaluating the alternatives will begin.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion date for feasibility phase is 2012.

OTHER INFORMATION: The Galveston Harbor Navigation District #1, the project sponsor, requested the study, in a letter dated August 28, 2001. The project received funds in 2001 and 2002 and a Milestone Report was completed in June 2002. The project has been on hold since 2004. The Sponsor reaffirmed their interest in August of 2008.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (TX); Congressman Paul (TX-14)

DISTRICT: Galveston

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies

BUSINESS LINE: Navigation

STUDY NAME: Lavaca Port, Arkansas River, Arkansas

AUTHORIZATION: Section 107 of the River and Harbors Act of 1960, as amended.

LOCATION: The city of Lavaca is located in Sebastian County, Arkansas, east of the Fort Smith area.

DESCRIPTION: In December 2008, the city of Lavaca requested a study to determine the need for a slack water harbor on Vache Grasse Creek.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 100,000
Estimated Non-Federal Cost	\$ 0
Total Estimated Cost	\$ 100,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 50,000
Balance to Complete after FY 2010	\$ 50,000
Benefit to Cost Ratio @ 7%	N/A ^{1/}

^{1/}BC ratio to be determined in feasibility phase

FY 2010 ACTIVITIES: FY 2010 funds will be used to initiate the feasibility phase and prepare a milestone report.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion for the feasibility phase is FY 2013.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Lincoln and Pryor; Representative Boozman, AR-3.

DISTRICT: Little Rock

AQUATIC ECOSYSTEM RESTORATION

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Ecosystem Restoration.

PROJECT/STUDY NAME: Arkansas River Corridor, OK.

AUTHORIZATION: Section 3132 of WRDA 2007.

LOCATION: The 42 mile long study area is located along the Arkansas River, from Keystone Dam to the Tulsa/Wagoner County line, in Tulsa County, Oklahoma.

DESCRIPTION: Section 3132 of WRDA 2007 authorized the Secretary to participate in the ecosystem restoration, recreation, and flood damages reduction components of the Arkansas River Corridor Master Plan dated Oct 2005.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010
		<u>Study</u>
Estimated Federal Cost	\$	2,500,000
Estimated Non-Federal Cost	\$	2,500,000
Cash	\$	2,000,000
Other		\$ 50,000
Total Estimated Cost	\$	5,000,000
Allocation thru (BY-2) FY 2008		\$ 0
Allocation for (BY-1) FY 2009		\$ 0
Allocation for FY 2010		\$ 90,000
Balance to Complete after FY 2010		\$ 2,410,000
Benefit to Cost Ratio @ 7% (____%)		

FY 2010 ACTIVITIES: Reconnaissance phase activities will include completion of the 905b report, negotiation and execution of the FCSA, and initiation of work on alternative formulation.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Reconnaissance phase study for this project will complete in FY2010.

OTHER INFORMATION: HQ implementation guidance directs negotiation of a FCSA with an appropriate non-Federal sponsor to complete a feasibility study for the project. Tulsa County will be the non-federal cost share partner for this project.

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Congressmen Sullivan (OK-1) and Lucas (OK-3).

DISTRICT: Tulsa

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environment

STUDY NAME: Cypress Valley Watershed, Texas

AUTHORIZATION: Senate Resolution dated 31 July 2007

LOCATION: The Cypress Valley watershed encompasses some 6,000 square miles in northeast Texas and northwest Louisiana. Two major tributaries, Black Cypress Bayou and Little Cypress Bayou, join Big Cypress Bayou and form Caddo Lake.

DESCRIPTION: This reconnaissance study will examine the current and projected water resource uses and needs of the Caddo Lake wetlands and evaluate how Lake O' the Pines (Corps reservoir) could be operated to potentially meet the broader spectrum of water resource needs. The follow-on watershed feasibility study would allow the Corps to evaluate the ecosystem restoration benefits and impacts of proposed flow recommendations and address other ecological issues.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 468,000
Estimated Non-Federal Cost	\$ 378,000
Cash	\$ 100,000
Other	\$ 278,000
Total Estimated Cost	\$ 846,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 90,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 378,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to complete the reconnaissance phase.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2010

OTHER INFORMATION: A diverse array of more than 15 partner institutions and agencies are currently working in support of the ecosystem flow recommendations in the watershed. The Nature Conservancy, as part of the Sustainable Rivers Program, is interested in working with the Corps of Engineers and other partners to gain a better understanding of the influence of hydrologic processes such as timing, duration, frequency, magnitude and rate of change of flows on the river's ecology and the health of the downstream river basin.

CONGRESSIONAL INTEREST: Gohmert, TX-01, Hall, TX-4; and Fleming, LA-04

DISTRICT: Fort Worth

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Ecosystem Restoration.

PROJECT/STUDY NAME: Grand (Neosho) River Basin Watershed, OK, KS, MO, AR.

AUTHORIZATION: Section 208 of the Flood Control Act of 1965.

LOCATION: The study area consists of the 12,500 square mile Grand/Neosho River basin in northeastern Oklahoma and southeastern Kansas.

DESCRIPTION: John Redmond Dam and Reservoir is an important water supply source for the state of Kansas and is used by Kansas to operate their State Water Marketing Program and the Neosho-Cottonwood Water Assurance District which supplies water for municipal and industrial purposes. This watershed feasibility study will identify effective restoration and maintenance measures that will ensure long-range availability of habitat, storage capacity and ecosystem function within the John Redmond Dam and Reservoir and watershed.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	3,200,000
Estimated Non-Federal Cost	\$	3,000,000
Cash	\$	1,500,000
Other	\$	1,500,000
Total Estimated Cost	\$	6,200,000
Allocation thru (BY-2) FY 2008	\$	598,000
Allocation for (BY-1) FY 2009	\$	57,000
Allocation for FY 2010	\$	90,000
Balance to Complete after FY 2010	\$	2,455,000
Benefit to Cost Ratio @ 7% (____%)		

FY 2010 ACTIVITIES: Funds provided will be used for amending the project management plan and FCSA to allow creation of a master plan for the watershed to restore, protect, and sustain the drinking water supply source for eastern Kansas as well as the quality of the aquatic ecosystem and related wetland and riparian areas in the watershed of John Redmond Dam and Reservoir, Kansas.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2010.

OTHER INFORMATION: The Kansas Water Office (non-federal sponsor) has requested that efforts toward completion of the previously agreed to feasibility study be terminated and changed to creation of a watershed management plan.

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Senators Brownback and Roberts, KS; Congressmen Boren (OK-2) and Moran (KS-1), and Congresswoman Jenkins (KS-2).

DISTRICT: Tulsa

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Ecosystem Restoration.

PROJECT/STUDY NAME: Oologah Lake Watershed, Oklahoma and Kansas.

AUTHORIZATION: Section 206, Flood Control Act of 1958.

LOCATION: The Verdigris River basin drainage area covers approximately 4300 square miles in southeastern Kansas and northeastern Oklahoma.

DESCRIPTION: This study addresses impacts of upstream agriculture and development on aquatic and terrestrial habitat within the Verdigris River basin. Degradation of the aquatic ecosystem has also adversely affected the aquatic ecosystem at Oologah Lake.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010
		<u>Study</u>
Estimated Federal Cost	\$	1,352,000
Estimated Non-Federal Cost	\$	1,302,000
Cash	\$	1,107,000
Other		\$ 195,000
Total Estimated Cost	\$	2,654,000
Allocation thru (BY-2) FY 2008		\$ 1,191,000
Allocation for (BY-1) FY 2009		\$ 0
Allocation for FY 2010		\$ 90,000
Balance to Complete after FY 2010		\$ 45,000
Benefit to Cost Ratio @ 7% (____%)		

FY 2010 ACTIVITIES: Funds provided will be used to undertake water quality database management and modeling, coordinate and meet with stakeholders in Oklahoma and Kansas, and prepare a draft watershed management plan.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Congressmen Sullivan (OK-1), Boren (OK-2), Tiahrt (KS-4), and Congresswoman Jenkins (KS-2).

DISTRICT: Tulsa

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Environmental Restoration

STUDY NAME: Sabine Pass to Galveston Bay, Texas

AUTHORIZATION: House Resolution 289 dated 9 October 1998

LOCATION: The project is located in southeastern Texas and consists of approximately 92 miles of Gulf of Mexico shoreline in Jefferson, Chambers, and Galveston Counties from Sabine Pass to San Louis Pass at the western end of Galveston Island.

DESCRIPTION: This storm damage reduction and environmental restoration study will address the significant shoreline erosion occurring along the upper Texas coast causing the destruction of nationally significant wetlands, loss of land, and damage to homes, commercial property, and State Highway 87.

<u>SUMMARIZED FINANCIAL DATA:</u>	<u>FY2010 FEASIBILITY</u>
Estimated Federal Cost	\$ 6,164,000
Estimated Non-Federal Cost	6,079,000
Cash	(4,254,000)
Other	(1,825,000)
Total Estimated Study Cost	\$12,243,000
Allocation thru FY 2008	\$ 2,629,000
Allocation for FY 2009	382,000
Allocation for FY 2010	170,000
Balance to Complete after FY 2010	\$2,983,000
Benefit to Cost Ratio @ (7%)	N/A

FY 2010 ACTIVITIES: Due to numerous priorities related to Hurricane Ike recovery efforts, Galveston and Jefferson Counties, the Non-Federal Sponsors, requested in June 2009 that the study be placed on hiatus for one to two years. There will be no on-going activities in FY 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion date for the feasibility study is FY 2014.

OTHER INFORMATION: The study area is located along the middle Texas shoreline and consists of approximately 92 miles of Gulf of Mexico shoreline in Jefferson, Chambers, and Galveston Counties from Sabine Pass to San Luis Pass at the western end of Galveston Island. This study will address the significant shoreline erosion occurring along the upper Texas coast causing the destruction of nationally significant wetlands, loss of land, and damage to homes, commercial property, and State Highway 87. On September 13, 2008 Hurricane Ike moved directly over the entire study area with category two storm winds of 110 mph (sustained) and an estimated category four storm surge ranging between 10-15 feet above normal tides. The entire study area was significantly altered both physically and economically. The northern portion of the study area (Bolivar Peninsula) was completely devastated. With the changes that occurred due to Ike, the study is practically back to day one. Prior to Ike homes were in eminent danger and up to 40,000 area residents were being affected by shoreline erosion. The major problems identified in the reach to the north of Galveston Bay are potential destruction of nationally significant wetlands; damage to homes and commercial property; and significant damage to State Highway 87, caused by shoreline erosion. A Feasibility Cost Sharing Agreement (FCSA) was executed on 6 September 2001. An amended FCSA to accommodate increased costs will need to be executed.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (both TX); Congressmen Poe (TX-2) and Paul (TX-14).

DISTRICT: Galveston

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Ecosystem Restoration.

PROJECT/STUDY NAME: Southeast Oklahoma Water Resource Study, Oklahoma.

AUTHORIZATION: 1983 Supplemental Appropriations Act (PL 98-63).

LOCATION: The region includes the southeast quadrant of Oklahoma, encompassing 29 counties that comprise the Kiamichi River basin and other sub-basins of the Red River.

DESCRIPTION: Regional water resources will be broadly analyzed to determine yield and the impacts of future use. The output will identify solutions to water resource problems, and will include a system approach to collaboratively develop existing, forecasted, and strategic information that will be integrated into the Oklahoma Comprehensive Water Plan.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010
		<u>Study</u>
Estimated Federal Cost	\$	3,586,000
Estimated Non-Federal Cost	\$	3,476,000
Cash	\$	2,733,000
Other		\$ 743,000
Total Estimated Cost	\$	7,062,000
Allocation thru (BY-2) FY 2008		\$ 480,000
Allocation for (BY-1) FY 2009		\$ 311,000
Allocation for FY 2010		\$ 233,000
Balance to Complete after FY 2010		\$ 2,562,000
Benefit to Cost Ratio @ 7% (____%)		

FY 2010 ACTIVITIES: Funds provided will be used to examine water demand projections, conduct supply and gap analyses, and develop water allocation modeling tools.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011.

OTHER INFORMATION: The Oklahoma Water Resources Board is the non-federal sponsor for this project. This project remains a high priority project with the sponsor.

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Congressmen Boren (OK-2), Lucas (OK-3), Cole (OK-4), and Congresswoman Fallin (OK-5).

DISTRICT: Tulsa

FACT SHEET
INVESTIGATIONS
Enacted Studies

BUSINESS LINE: Environmental Restoration

STUDY NAME: Southwest Arkansas, AR

AUTHORIZATION: Red River Basin, AR, TX, LA, and OK Comprehensive Study Authority (PL 98-63)

LOCATION: The study area includes part of four counties in Southwest Arkansas in the Red River/Little Red River basins. The area contains four Corps lakes, DeQueen, Dierks, Gillham, and Millwood.

DESCRIPTION: The watershed study would evaluate flooding, irrigation, restoration of fish and wildlife habitat, water quality, and water releases for navigation and recreation.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	360,000
Estimated Non-Federal Cost	\$	360,000
Cash		\$ 60,000
Other	\$	300,000
Total Estimated Cost	\$	720,000
Allocation thru FY 2008		\$ 0
Allocation for FY 2009		\$ 123,000
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010		\$ 170,000
Balance to Complete after FY2010		\$ 67,000
Benefit to Cost Ratio @ 7% (Not Applicable)		

FY 2010 ACTIVITIES : FY 2010 funds will be used to initiate topographic surveys, visual surveys of the watersheds, and scoping of the environmental and economic work.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The Feasibility Phase is scheduled for completion in FY2013.

OTHER INFORMATION: The project has been reformulated to lower the total cost of the study. Interest in this project by the sponsors and the public continues to be high, but the sponsors are not able to sign a Feasibility Cost Sharing Agreement (FCSA) due to state budget constraints.

CONGRESSIONAL INTEREST: Senators Lincoln and Pryor, AR; Representative Boozman, AR-3.

DISTRICT: Little Rock

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Ecosystem Restoration.

PROJECT/STUDY NAME: Washita River Basin, Oklahoma.

AUTHORIZATION: Red River and Tributaries above Denison Dam, Texas, Oklahoma, and New Mexico, House Resolution dated 25 Feb 1938; Senate Resolutions dated 18 Feb 1954 and 19 Jun 1962.

LOCATION: The Washita River basin covers 7790 square miles and is a tributary to the Red River in Oklahoma. It currently flows into Lake Texoma.

DESCRIPTION: Regional water resources will be broadly analyzed to determine yield and the impacts of future use. The output will identify solutions to water resource problems and will include a system approach to collaboratively develop existing, forecasted, and strategic information that will be integrated into the Oklahoma Comprehensive Water Plan.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Study</u>
Estimated Federal Cost	\$	1,432,000
Estimated Non-Federal Cost	\$	1,250,000
Cash		\$ 606,000
Other		\$ 644,000
Total Estimated Cost	\$	2,682,000
Allocation thru (BY-2) FY 2008		\$ 330,000
Allocation for (BY-1) FY 2009		\$ 191,000
Allocation for FY 2010		\$ 171,000
Balance to Complete after FY 2010		\$ 558,000
Benefit to Cost Ratio @ 7% (____%)		

FY 2010 ACTIVITIES: Funds provided will be used to examine water demand projections, conduct supply and gap analyses, and develop water allocation modeling tools.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY2011.

OTHER INFORMATION: Th Oklahoma Water Resources Board is the non-federal sponsor for this project. This project remains a high priority with the sponsor.

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Congressmen Lucas (OK-3), Cole (OK-4), and Congresswoman Fallin (OK-5).

DISTRICT: Tulsa

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Bosque River Watershed, TX

AUTHORIZATION: WRDA 2007 (Public Law 110-114), Section 5139

LOCATION: The Bosque River watershed covers more than 1,652 square miles in the Brazos River Basin, and contains 29 sub-watersheds. The river originates in Erath County north of Stephenville and flows through the cities of Hico, Meridian, Clifton and Valley Mills before entering Waco Lake approximately two miles west of the city of Waco, Texas.

DESCRIPTION: This project is intended to improve the ecosystem function of the Bosque River, its tributaries, and adjacent land by developing a plan to reduce phosphorus, nitrogen, and microbial concentrations. In conjunction with the U.S. Department of Agriculture – Natural Resources Conservation Service (NRCS), the project includes implementation of environmental conservation practices to improve environmental and water quality. Gilmore Creek and Tonk Creek are the two sub-watersheds identified for demonstration projects.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 10,000,000
Estimated Non-Federal Cost	\$ 3,330,000
Cash	\$ 0
Other	\$ 3,330,000
Total Estimated Cost \$	13,330,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 100,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 9,900,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds are being used to complete the Comprehensive Plan and Project Management Plan; execute the Project Partnership Agreement; and initiate development of Conservation Plans for participating land owners in the demonstration project area.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Earliest attainable completion - Initial Assessment FY10.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Edwards, TX-17 and Carter, TX-31

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Johnson Creek, Arlington, Upper Trinity Basin, Texas

AUTHORIZATION: WRDA 99, Sec 101(b)(14); Energy and Water Appropriations Act, 2005, Section 134; WRDA 07, Section 5143; Consolidated Appropriations Act, 2008.

LOCATION: The project is located along Johnson Creek in Arlington, Tarrant County, Texas, within the Upper Trinity River Basin.

DESCRIPTION: The authorized project includes components of the project authorized in 1999 (buy-out of 140 structures for flood risk management, approximately 155 acres of ecosystem restoration, and 2.25 miles of hard surface trails, picnic facilities and a pavilion), in addition to construction of new bank stabilization, additional flood risk management, recreation, and habitat restoration measures along Johnson Creek.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010
	<u>Construction</u>
Estimated Federal Cost	\$ 52,000,000
Estimated Non-Federal Cost \$	28,000,000
Cash	\$ 7,749,000
Other	\$ 20,251,000
Total Estimated Cost \$	80,000,000
Allocation thru FY 2008	\$ 19,598,000
Allocation for FY 2009	\$ 1,914,000
Allocation for FY 2010	\$ 1,417,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 29,071,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: FY 2010 funds are being used to continue evaluation of the authorized project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2017

OTHER INFORMATION: The Corps of Engineers is conducting an Environmental Impact Statement and Technical Sufficiency Documentation of the authorized project, which includes the features of the new project developed by the city. This new project, which includes the original 1999 authorization, received additional authorization in the Consolidated Appropriations Act, 2008. Estimated total cost of the project is \$80,000,000.

CONGRESSIONAL INTEREST: Barton, TX-6

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: San Antonio Channel Improvement, Texas (Mission Reach)

AUTHORIZATION: Senate Flood Control Act of 1954 and the WRDAs of 1976 (Sec 103), 1996 (Sec 224) and 2000 (Sec 335)

LOCATION: The San Antonio Channel Improvement project is located within the city of San Antonio, Texas, along the San Antonio River and five of its tributaries.

DESCRIPTION: The Mission Reach is an aquatic ecosystem restoration project which uses fluvial geomorphic principles to restore 32 pool-riffle-run sequences (99 acres), 15 backwater nursery habitats (12 acres), eight acres of bottomland hardwoods, and 320 acres of riparian woodland along an eight mile reach of the previously channelized San Antonio River. The project includes an ancillary recreational opportunity for low impact interaction and learning by the local community through 55,800 linear feet of multi-purpose interpretive trail. These ecological and recreational items will provide a sustainable restoration of the river's ecosystem as an integral part of the community's historical and cultural foundation, while maintaining the existing level of flood risk mitigation provided by the previous channelization.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 122,850,000
Estimated Non-Federal Cost	\$ 72,150,000
Cash	\$ 65,750,000
Other	\$ 6,400,000
Total Estimated Cost \$	195,000,000
Allocation thru FY 2008	\$ 17,876,000
Allocation for FY 2009	\$ 10,000,000
Allocation for FY 2010	\$ 3,028,000
Recovery Act Allocations to Date	\$ 25,400,000
Balance to Complete after FY 2010	\$ 66,546,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds received in FY 2010, along with FY 2009 carryover funds and accelerated local sponsor funds, are being used to fully award the Phase 2b base contract, with unfunded options for construction of Phases 2c and 3. Remaining funds will be used to complete design of Phase 4 and woody vegetation design for all Phases.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2015

OTHER INFORMATION: Project includes ecosystem restoration and recreation benefits. The authorized flood damage reduction measures were completed in FY 2002.

CONGRESSIONAL INTEREST: Gonzalez, TX-20; Smith, TX-21; Rodriguez, TX-23; Cuellar, TX-28.

DISTRICT: Fort Worth District

CONTINUING AUTHORITIES PROGRAM

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Big Cypress Bayou Fish and Wildlife Habitat Restoration, TX

AUTHORIZATION: WRDA 1986 (Public Law 99-662), Section 1135, as amended

LOCATION: The project is located in Marion County in northeast Texas. The specific project area is located on the west bank of Big Cypress Bayou within the city of Jefferson, Texas, approximately 14 miles downstream of Lake O' the Pines.

DESCRIPTION: The riparian component of the project includes reforestation, urban wildscape, emergent wetlands, and education and interpretive trails, and the aquatic component includes development of instream spawning and nursery habitat. Full implementation of the project is projected to provide a gain of approximately 17,925 average annual habitat units (AAHU) in the area.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 4,196,000
Estimated Non-Federal Cost	\$ 1,396,000
Cash	\$ 500,000
Other	\$ 896,000
Total Estimated Cost	\$ 5,592,000
Allocation thru FY 2008	\$ 2,746,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 1,450,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: It is anticipated that the FY 2010 funds allocation will fully fund construction of the remaining components of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2015 is the scheduled completion date for the design and implementation phase.

OTHER INFORMATION: Construction and operation of Lake O' the Pines caused significant degradation to the instream and bottomland hardwood ecosystems associated with the Big Cypress Bayou downstream of the Ferrells Bridge Dam. Construction for the in-stream component of this project was completed in July 2008.

CONGRESSIONAL INTEREST: Gohmert, TX-1

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Ecosystem Restoration – CAP Sec. 1135.

PROJECT/STUDY NAME: Garden City Ecosystem Restoration, KS.

AUTHORIZATION: Section 1135 of WRDA 1986, as amended (Continuing Authority — Habitat Restoration)

LOCATION: Garden City, Kansas is located in Finney County in the southwestern part of the state about 200 miles west of Wichita, Kansas.

DESCRIPTION: The Arkansas River flows along the southern end of Garden City. Since the establishment of the John Martin Dam and Reservoir, flow in the Arkansas River in western Kansas has been erratic. Previously existing wetlands along the river were lost as river flows were reduced. The city of Garden City, KS, would be the non-Federal sponsor.

<u>SUMMARIZED FINANCIAL DATA</u>		FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$	375,000
Estimated Non-Federal Cost	\$	125,000
Cash	\$	125,000
Other		\$ 0
Total Estimated Cost	\$	500,000
Allocation thru (BY-2) FY 2008		\$ 247,000
Allocation for (BY-1) FY 2009		\$ 0
Recovery Act Allocations to Date		\$ 0
Allocation for FY 2010		\$ 75,000
Balance to Complete after FY 2010		\$ 53,000
Benefit to Cost Ratio @ 7%		N/A

FY 2010 ACTIVITIES: Funds in the amount of \$75,000 will allow execution of the feasibility cost sharing agreement and resumption of feasibility study efforts to determine a viable solution to restoring the wetland habitat along the Arkansas River could be implemented within existing Federal authorities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: FY 2011.

OTHER INFORMATION: The proposed ecosystem restoration project focuses on riparian corridor habitat restoration along the Arkansas River at Garden City, Kansas.

CONGRESSIONAL INTEREST: Senators Brownback and Roberts, KS; Congressman Moran, KS-1.

DISTRICT: Tulsa

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Environmental Protection & Ecosystem Restoration

PROJECT NAME: Keith Lake Fish Pass, Texas

AUTHORIZATION: Section 1135 of the Water Resource Development Act of 1996, as amended.

LOCATION: The project is located in southeastern Jefferson County, Texas, approximately 15 miles south of Port Arthur and intersects State Highway 87. The pass is positioned approximately 0.3 miles south of the GIWW and on the west bank of the Sabine-Neches Ship channel, south of Port Arthur. The pass connects Keith Lake to Port Arthur Canal.

DESCRIPTION: The study is addressing the loss of further habitat by reducing the amount of saltwater intrusion and decreasing high energy inflows that are entering the marsh through the Keith Lake Kish Pass.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 680,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$ 680,000
Allocation thru FY 2008	\$ 280,000
Allocation for FY 2009	0
Allocation for FY 2010	400,000
Recovery Act Allocations to Date	0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 activities include completion of the Detailed Project Report (DPR) and submission to SWD for approval.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion date for feasibility is 2012.

OTHER INFORMATION: In April 2002, Jefferson County requested assistance under Section 206 of the Water Resources Development Act of 1996(PL 104-303), as amended, to investigate the erosion at Keith Lake Fish Pass and the associated degrading ecosystem. Further analysis determined that the marsh has been adversely affected by saltwater intrusion and high-energy inflows from the adjacent 40 foot deep Port Arthur Canal, a part of the Sabine-Neches Waterway Federal navigation project. A Preliminary Restoration Plan was completed in May 2002. The feasibility study was initiated in January 2003, continued through 2004, and then placed on hold for the last five years until FY 2010 when Federal funds were received. The success of the proposed project will achieve public, economic and natural resource benefits which include: restoring hydrologic conditions necessary to preserve the marsh system; restoring the habitat value of a significant marsh ecosystem; increasing revenue for hunting, fishing and ecotourism; and enhancing public awareness of the value of marsh habitat.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (TX); Congressman Poe (TX-2)

DISTRICT: Galveston

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Lewisville Lake, Frisco, TX

AUTHORIZATION: WRDA 1986 (Public Law 99-662), Section 1135, as amended

LOCATION: Lake Lewisville is located in the southern portion of Denton County, Texas, approximately 25 miles northwest of the city of Dallas. The project area is located on privately owned land along the lower reaches of Hackberry Creek and Stewart Creek on the east side of the lake.

DESCRIPTION: The value of the aquatic and riparian habitat along the creeks that feed into Lewisville Lake have been negatively impacted by urban encroachment. The recommended plan consists of reforestation of approximately 57 acres providing linkage among existing riparian and bottomland hardwood habitat, and construction of a series of wetland cells comprising a total of 39 acres.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 1,853,000
Estimated Non-Federal Cost	\$ 615,000
Cash	\$ 0
Other	\$ 615,000
Total Estimated Cost	\$ 2,468,000
Allocation thru FY 2008	\$ 178,000
Allocation for FY 2009	\$ 64,000
Allocation for FY 2010	\$ 286,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 1,325,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to complete detailed design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2014.

OTHER INFORMATION: Per an agreement with the city of Frisco, Texas, as the non-Federal sponsor, the city would agree to waive credit or reimbursement for a approximately \$2,400,000 above the 25 percent non-Federal cost share requirement for ecosystem restoration, for real estate acquisition costs.

CONGRESSIONAL INTEREST: Burgess, TX-26

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies

BUSINESS LINE: Ecosystem Restoration

STUDY NAME: Millwood Lake, Grassy Lake, Arkansas

AUTHORIZATION: Section 1135, WRDA 1986, as amended; HR 108-212, ERWA 06; Omnibus 2008 - SR 65, CR Named 6h

LOCATION: Grassy Lake, a pristine wetland, is just downstream of Millwood Dam along Yellow Creek in Hempstead County in southwest Arkansas.

DESCRIPTION: The Red River Basin dams reduced the beneficial flooding of Grassy Lake and contributed to the area's degradation. The study will determine if there is a federal and local interest in the environmental restoration of the area's privately-owned hunt clubs and a state wildlife management area.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Design and Implementation</u>
Estimated Federal Cost	\$ 800,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 800,000
Allocation thru FY 2008	\$ 594,000
Allocation for FY 2009	\$ 25,000
Recovery Act Allocations to Date	\$ 0
Allocation for FY 2010	\$ 0
Balance to Complete after FY 2010	\$ 181,000
Benefit to Cost Ratio @ 7%	N/A ^{1/}

^{1/}BC ratio is not applicable for Section 1135 CAP projects

FY 2010 ACTIVITIES: FY 2010 funds will be used to complete the feasibility phase of this project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion for the design and implementation phase is FY 2012.

OTHER INFORMATION: None.

CONGRESSIONAL INTEREST: Senators Lincoln and Pryor, AR: Representative Ross, AR-4.

DISTRICT: Little Rock

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Environmental Protection & Ecosystem Restoration, Aquatic Ecosystem Restoration

PROJECT NAME: Moses Lake, Texas

AUTHORIZATION: Section 206 of the Water Resources Development Act of 1996, as amended.

LOCATION: The project area is within the 2,303-acre Texas City Prairie Preserve (TCPP), owned and managed by Texas Nature Conservancy (TNC), the non-Federal Sponsor.

DESCRIPTION: The study is addressing erosion protection along the Galveston Bay Prairie Preserve at Moses Lake.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 225,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$ 225,000
Allocation thru FY 2008	\$ 65,000
Allocation for FY 2009	0
Allocation for FY 2010	160,000
Recovery Act Allocations to Date	0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 activities include completion of the Detailed Project Report and submission to SWD for approval.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion date for feasibility is 2010.

OTHER INFORMATION: Texas Nature Conservancy has a goal of protecting approximately 4,000 linear feet of shore line on the Texas City Prairie Preserve in order to protect existing habitat for the most endangered bird species in the United States, the Attwater Prairie Chicken. Approximately 1,600 linear feet of protection has been constructed by TNC (referred to as the Phase I Project), with the remaining portion (approximately 2,400 feet) being requested as part of this Section 206 project. The Preliminary Restoration Plan was completed in 2004. The project has been on hold awaiting funds for the past 5 years. Funds were received in FY 2010 to complete the feasibility phase and prepare plans and specifications.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (TX); Congressman Paul (TX-14)

DISTRICT: Galveston

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Nueces Delta and Bay, TX

AUTHORIZATION: WRDA 1992 (Public Law 102-580), Section 204, as amended by WRDA 2007 (Public Law 110-114), Section 2037

LOCATION: The Nueces River basin lies in the southern part of Texas and enters Nueces Bay near Corpus Christi, Texas. The upper limits of the study area include Choke Canyon Lake, a reservoir located on the Frio River just upstream of the confluence with the Nueces River, and Lake Corpus Christi, a reservoir located downstream of Choke Canyon. The lower limits of the study area include the Nueces Delta and Nueces and Corpus Christi Bays.

DESCRIPTION: Resource specialists with expertise in the Nueces Delta and the Nueces and Corpus Christi Bays have identified sediment problems and opportunities within the lower Nueces watershed. This study would establish a coalition of stakeholders to develop a Regional Sediment Management Plan.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 350,000
Estimated Non-Federal Cost	\$ 0
Cash	\$ 0
Other	\$ 0
Total Estimated Cost	\$ 350,000
Allocation thru FY 2008	\$ 0
Allocation for FY 2009	\$ 200,000
Allocation for FY 2010	\$ 150,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds carried over from FY 2009 and 2010 will be used to establish a coalition of interested stakeholders, to analyze sediment problems and opportunities in the delta and bays, and to develop a regional sediment management plan that includes recommendations to help resolve some of the major issues or to take advantage of opportunities.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Ortiz, TX-27 and Hinojosa, TX-15

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Old Trinity River Channel Wildlife Restoration, Dallas, TX

AUTHORIZATION: WRDA 1986 (Public Law 99-662), Section 1135, as amended

LOCATION: The project is located in proximity to a portion of the old Trinity River located downstream of the confluence of the West and Elm Forks of the Trinity River, about 8 miles west of downtown Dallas, Texas. The old Trinity River channel is a remnant of the Trinity River that existed prior to construction of the Dallas Floodway project and now serves to collect local drainage.

DESCRIPTION: The recommended plan consists of restoration of 23.93 acres of emergent wetlands, improvement of the quality of the habitat on 28.42 acres of bottomland hardwood and mixed deciduous forest stands, and reforestation of 53.48 acres of open space to bottomland hardwoods. The plan also identified the relocation of a pedestrian bridge and a recreation hike and bike trail. The non-Federal sponsor is the city of Dallas.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 2,312,000
Estimated Non-Federal Cost	\$ 764,000
Cash	\$ 300,000
Other	\$ 464,000
Total Estimated Cost	\$ 3,076,000
Allocation thru FY 2008	\$ 276,000
Allocation for FY 2009	\$ 44,000
Allocation for FY 2010	\$ 306,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 1,686,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to execute the Project Partnership Agreement and fully fund detailed design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Scheduled completion date for the design and implementation phase is December 2014.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Johnson, TX-30

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Rio Grande Ecosystem Restoration, Laredo, TX

AUTHORIZATION: WRDA 1996 (Public Law 104-303), Section 206, as amended

LOCATION: The city of Laredo is located in south Texas, approximately 160 miles southwest of San Antonio. The project area is within the city limits of Laredo, adjacent to the Rio Grande River along a 90 degree bend in the southwest portion of the city. The project is approximately 130 acres in size.

DESCRIPTION: The project area has been adversely impacted due to gravel quarrying and subsequent infestations of exotic plants. The recommended plan would help to restore the degraded ecosystem by enlarging existing wetlands, removing exotic plants, revegetating the existing aquatic and terrestrial systems with native plants species, and restricting vehicular access to the area. Implementation of the project would substantially improve habitat for local wildlife, including three federally endangered species and several state-listed threatened and endangered species.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 3,575,000
Estimated Non-Federal Cost	\$ 1,925,000
Cash	\$ 1,075,000
Other	\$ 850,000
Total Estimated Cost	\$ 5,500,000
Allocation thru FY 2008	\$ 349,000
Allocation for FY 2009	\$ 23,000
Allocation for FY 2010	\$ 78,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 3,125,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds received in FY 2010 will be used to complete the feasibility phase of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE : Scheduled completion of the feasibility phase is September 2010.

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Cuellar, TX-28

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Spring Lake Aquatic Ecosystem Restoration, San Marcos, TX

AUTHORIZATION: WRDA 1996 (Public Law 104-303), Section 206, as amended

LOCATION: The city of San Marcos is located in south-central Texas in Hays County, approximately 40 miles northeast of San Antonio. The project site includes areas within the Aquarena Center, Spring Lake and the Texas State University golf course.

DESCRIPTION: The recommended plan would restore valuable aquatic and floodplain habitats throughout the Spring Lake area, which has been degraded by the construction, operation and existence of the Aquarena Center, the surrounding golf course and other urban developments. Structures and facilities associated with the Aquarena Center would be removed, native grassland habitat would be restored on the peninsula, a vegetated buffer zone would be established between the golf course and the lake, and exotic vegetation along the lake shore would be removed. The restoration project would help restore and protect sensitive habitat for five federally listed species.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 1,798,000
Estimated Non-Federal Cost	\$ 963,000
Cash	\$ 415,000
Other	\$ 548,000
Total Estimated Cost	\$ 2,761,000
Allocation thru FY 2008	\$ 628,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 1,170,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to complete design and fully fund project construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2015

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Doggett, TX-25

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM (CAP)
Enacted Studies and Projects

BUSINESS LINE: Environmental Protection & Ecosystem Restoration

PROJECT NAME: Taylors Bayou, Port Arthur, Texas

AUTHORIZATION: Section 1135 of the Water Resource Development Act of 1996, as amended.

LOCATION: The watershed of Taylor's Bayou is in the extreme southeast corner of Texas adjoining the basins of the Neches River and Sabine Lake on the east. The structure is located approximately 1 mile west of the intersection of Taylor's Bayou and Salt Bayou, and east of the Big Hill Unit of the J.D. Murphree Wildlife Management Area in Port Arthur, Jefferson County, Texas.

DESCRIPTION: The study is addressing replacement of a saltwater barrier to protect the bayou and marsh from saltwater intrusion.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Feasibility</u>
Estimated Federal Cost	\$ 820,000
Estimated Non-Federal Cost	0
Cash	0
Other	0
Total Estimated Cost	\$ 820,000
Allocation thru FY 2008	\$ 420,000
Allocation for FY 2009	0
Allocation for FY 2010	400,000
Recovery Act Allocations to Date	0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: FY 2010 activities include completion of the Detailed Project Report and submission to SWD for approval.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion date for feasibility is 2012.

OTHER INFORMATION: In April 2001, Jefferson County Waterway and Navigation District requested assistance under Section 206 of the Water Resources Development Act of 1996 (PL 104-303), as amended, or Section 1135 for the replacement of an existing saltwater barrier structure on Taylor's Bayou. The structure, constructed in or around 1946, is in considerable disrepair and could potentially fail at any time. A feasibility study was initiated in 2003 and continued through 2005, thereafter placed on hold awaiting funding, which was received in FY 2010.

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (TX); Congressman Poe (TX-2)

DISTRICT: Galveston

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: Walnut Branch, Seguin, TX

AUTHORIZATION: WRDA 1996 (Public Law 104-303), Section 206, as amended

LOCATION: The project is located in the central Texas city of Seguin. Walnut Branch runs through the center of the city from New Braunfels Street (FM 78) downstream to Austin Street (Loop 123).

DESCRIPTION: The upper reach (from New Braunfels Street to Dolle Street) is an existing Corps of Engineers flood damage reduction project. The central portion of Walnut Branch (Dolle Street to Court Street) has incurred channel modifications for flood damage reduction purposes. The lower portion of the creek (Court Street to the confluence) flows through downtown and is a spring-fed, deeply incised channel.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 5,000,000
Estimated Non-Federal Cost	\$ 2,589,000
Cash	\$ 0
Other	\$ 2,589,000
Total Estimated Cost	\$ 7,589,000
Allocation thru FY 2008	\$ 253,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 335,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 4,412,000
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to fully fund detailed design.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: Scheduled completion of the design and implementation phase is December 2014.

OTHER INFORMATION: The recommended plan would restore the riparian corridor, stream riffle-pool complexes and vegetation within Walnut Branch to a less degraded, more natural condition. The restoration will benefit all resident and migratory wildlife along the stream corridor. The non-Federal sponsor is the city of Seguin.

CONGRESSIONAL INTEREST: Cuellar, TX-28

DISTRICT: Fort Worth

FACT SHEET
CONSTRUCTION
CONTINUING AUTHORITIES PROGRAM
Enacted Studies and Projects

BUSINESS LINE: Environment

PROJECT NAME: WWTP, Stephenville, TX

AUTHORIZATION: WRDA 1996 (Public Law 104-303), Section 206, as amended

LOCATION: The city of Stephenville is located in north central Texas in Erath County, approximately 63 miles southwest of Fort Worth, Texas. The project area is located at two sites along the North Bosque River. One site, adjacent to the Stephenville Wastewater Treatment Plant, is approximately 56.6 acres and includes large, abandoned sludge drying beds. The second site, totaling 8.3 acres, is along an approximate 0.5-mile stretch of the river located within the Stephenville City Park.

DESCRIPTION: The recommended plan would create approximately 52.4 acres of emergent wetland habitat, create and restore approximately 18.4 acres of riparian corridor and bottomland hardwood habitat, and restore approximately 5.82 acres of instream aquatic habitat and water quality benefits within the North Bosque River. The remaining acres of existing habitat within the project area would become more valuable by reducing the fragmented nature of the existing habitat and restoring a contiguous riparian corridor.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>Construction</u>
Estimated Federal Cost	\$ 2,002,000
Estimated Non-Federal Cost	\$ 1,078,000
Cash	\$ 686,000
Other	\$ 392,000
Total Estimated Cost	\$ 3,080,000
Allocation thru FY 2008	\$ 502,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 1,500,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 0
Benefit to Cost Ratio @ 7% (____%)	N/A

FY 2010 ACTIVITIES: Funds will be used to execute a Project Partnership Agreement and fully fund project construction.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: 2011

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: Carter, TX-31

DISTRICT: Fort Worth

WATER SUPPLY

INVESTIGATIONS

FACT SHEET
INVESTIGATIONS
Enacted Studies and Projects

BUSINESS LINE: Water Supply

STUDY NAME: Middle Brazos River, Texas

AUTHORIZATION: Senate Resolutions, 12 August 1954 and 31 July 2007

LOCATION: The study area is located within the middle portion of the Brazos River basin, which is bounded on the northwest by the Clear Fork of the Brazos River and on the southeast by Yegua Creek, and includes all or part of 32 counties.

DESCRIPTION: The basin has experienced a variety of water resource problems including flooding, ecosystem degradation, water supply and water quality. The Systems Assessment Interim Feasibility Study provides a comprehensive assessment of Federal reservoir operations to determine if more optimal uses of existing water resources are possible.

<u>SUMMARIZED FINANCIAL DATA (\$000)</u>	FY 2010 <u>Study</u>
Estimated Federal Cost	\$ 3,225,000
Estimated Non-Federal Cost \$	2,647,000
Cash	\$ 2,002,000
Other	\$ 645,000
Total Estimated Cost \$	5,872,000
Allocation thru FY 2008	\$ 1,588,000
Allocation for FY 2009	\$ 0
Allocation for FY 2010	\$ 224,000
Recovery Act Allocations to Date	\$ 0
Balance to Complete after FY 2010	\$ 1,413,000
Benefit to Cost Ratio @ 7%	N/A

FY 2010 ACTIVITIES: Appropriated funds are being used to continue reallocation studies for Aquilla Lake to address immediate water needs in the upper basin, to initiate investigations of potential impacts of system operations within the lower basin, and formulate alternatives to mitigate for reduced downstream flows in the lower basin.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: September 2013

OTHER INFORMATION: None

CONGRESSIONAL INTEREST: McCaul, TX -10; Conaway, TX-11; Granger, TX -12; Thornberry, TX-13; Edwards, TX-17; Neugebauer, TX-19; and Carter, TX-31

DISTRICT: Fort Worth

CONSTRUCTION

FACT SHEET
CONSTRUCTION
Enacted Studies and Projects

BUSINESS LINE: Water Supply.

PROJECT/STUDY NAME: Red River Chloride Control Project, TX and OK.

AUTHORIZATION: Section 203, Flood Control Act of 1966, amended by Section 201, Flood Control Act of 1970, Section 1107(a), Water Resources Development Act of 1986, and Section 3136 of the Water Resources Development Act of 2007.

LOCATION: The Red River Chloride Control Project is located in northwest TX & southwest OK.

DESCRIPTION: This project is designed to control natural chloride brine emissions at ten major source areas to improve water quality for municipal, industrial, and agricultural use. Improvements include construction of low flow dams, pump stations, and diversion pipelines to impoundment facilities. This project is a select major water strategy of the 2007 Texas Water Plan for the region and the state of Oklahoma supports the Area VI reevaluation effort currently underway.

	FY 2010	
<u>SUMMARIZED FINANCIAL DATA</u>	<u>Wichita Basin</u> <u>Construction</u>	<u>Area VI</u> <u>Construction</u>
Estimated Federal Cost	\$ 82,614,000	\$ 5,514,000
Estimated Non-Federal Cost	\$ 0	\$ 0
Cash	\$ 0	\$ 0
Other	\$ 0	\$ 0
Total Estimated Cost	\$ 82,614,000	\$ 5,514,000
Allocation thru FY 2008	\$ 13,668,000	\$ 1,531,000
Allocation for FY 2009	\$ 1,431,000	\$ 770,000
Allocation for FY 2010	\$ 944,000	\$ 388,000
Balance to Complete after FY 2010	\$ 66,571,000	\$ 2,825,000
Benefit to Cost Ratio @ 7%	1.41	N/A

FY 2010 ACTIVITIES: Construction funds will be used to acquire the remaining rights-of-way for Area VII, continue environmental monitoring requirements, and continue reevaluation efforts on the Elm Fork, Area VI element of the project.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: The earliest attainable completion of the Wichita Basin element of the project is FY2016. The earliest attainable completion of the reevaluation effort for the Area VI portion of the project is FY2015.

OTHER INFORMATION: Corps participation in the project is inconsistent with Administration policy. As such, no portion of the project is eligible for inclusion in the Army Civil Works annual budget. Implementation will be limited to the work that can be accomplished within funds provided by Congress.

CONGRESSIONAL INTEREST: Senators Inhofe and Coburn, OK; Senators Cornyn and Hutchison, TX; Congressmen Lucas (OK-3) and Thornberry (TX-13).

DISTRICT: Tulsa

OPERATION AND MAINTENANCE

FACT SHEET
OPERATIONS & MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: GIWW, Chocolate Bayou, TX

AUTHORIZATION: House Document 217, 89th Congress, 1st Session

LOCATION: This navigation project is located between Galveston and Freeport in Brazoria County, Texas.

DESCRIPTION: The project provides a shallow draft channel from the Gulf Intracoastal Waterway at Mile 376 through Chocolate Bay and Chocolate Bayou to a point 8.2 miles north of the Gulf Intracoastal Waterway. The project dimensions are 12 x 125 feet.

<u>SUMMARIZED FINANCIAL DATA</u>	FY	2010
Estimated Federal Cost		<u>O&M</u> NA
Estimated Non-Federal Cost		NA
Cash		NA
Other		NA
Total Estimated Cost		NA
Allocation thru FY 2008		NA
Allocation for FY 2009		\$5,662,000 ^{1/}
Allocation for FY 2010		\$1,631,000
Recovery Act Allocations To Date		\$ 0
Balance to Complete after FY 2010		NA
Benefit to Cost Ratio @ 7%		NA

^{1/} Includes \$3,000,000 Supplemental Funds

FY 2010 ACTIVITIES: FY 09 activities were to dredge the channel to advanced maintenance depth. Pending resolution with the natural resource agencies, this included expanding Placement Area (PA) No. 4 to contain the additional shoaling from Hurricane Ike, scheduled now for a January 2010 award. FY 10 activities include the construction needed to incrementally increase PA 1A (\$1,631,000) to provide one cycle of maintenance capacity.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: NA

OTHER INFORMATION: The amount of shoaling on this channel has been on a four-year cycle. A change in the estuary hydrodynamics has changed this to a two-to-three year cycle and the existing capacity in the upland placement areas is now all consumed by dredging the increase in shoaling. Use of limited Beneficial Use areas will be gone after the FY 10 dredging project and the resource agencies can not agree on locations for additional Beneficial Use areas. Additional capacity is needed and can be accomplished by expanding existing PA 1A.

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX), Representative Paul (TX-14)

DISTRICT: Galveston

FACT SHEET
OPERATIONS AND MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Channel to Harlingen, TX

AUTHORIZATION: House Document 402, 77th Congress, 1st Session

LOCATION: The Channel to Harlingen is located in the vicinity of Rio Hondo and Harlingen in Cameron and Willacy Counties, Texas.

DESCRIPTION: The project consists of a channel 25.8 miles long. The channel extends from its junction with the main channel of the Gulf Intracoastal Waterway through the Arroyo Colorado to the turning basin at Harlingen. It also includes a barge-mooring basin near the channel's junction with the Gulf Intracoastal Waterway. Authorized Channel Dimensions are 12 feet by 125 feet.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>O&M</u>
Estimated Federal Cost	NA
Estimated Non-Federal Cost	NA
Cash	NA
Other	NA
Total Estimated Cost	NA
Allocation thru FY 2008	\$2,700,000 ^{1/}
Allocation for FY 2009	\$4,500,000 ^{1/}
Allocation for FY 2010	\$2,033,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete after FY 2010	NA
Benefit to Cost Ratio @ 7%	NA

^{1/} All Supplemental Funding

FY 2010 ACTIVITIES: FY 10 activities include the limited rehabilitation of Placement Area (PA) 23, repairs to PA 15 and 17, as well as incremental levee raising and addressing encroachment concerns at PA 7, PA 8, and PA 4.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: PA 7 and 8 have encroachment issues and only part of PA 8 is accessible and usable for placement of dredged material. Over 90% of all fertilizer products and 70% of all gasoline products for south Texas arrive by barge through the Port of Harlingen. Maintenance of the project is a Federal responsibility. Without usable PA's, this project will not be maintained due to lack of disposal capacity

CONGRESSIONAL INTEREST: Senators Cornyn and Hutchison (TX); Representative **Ortiz (TX-27)**.

DISTRICT: Galveston

FACT SHEET
OPERATIONS & MAINTENANCE
Enacted Studies and Projects

BUSINESS LINE: Navigation

PROJECT/STUDY NAME: Trinity River and Tributaries, TX

AUTHORIZATION: House Document 634, 79th Congress, 2nd Session

LOCATION: The Trinity River Project is located in Liberty and Chambers County, TX.

DESCRIPTION: The Trinity River project is a 47-mile shallow draft waterway beginning with the Anahuac Channel (5.6 miles) from upper Trinity Bay to the mouth of Trinity River at Anahuac, Texas. From the mouth of Trinity River, the Channel to Liberty proceeds for 41.4 miles along the meanders of the Trinity River to the Port of Liberty. The project also includes the 9-foot Channel to Smith Point.

<u>SUMMARIZED FINANCIAL DATA</u>	FY 2010 <u>O&M</u>
Estimated Federal Cost	NA
Estimated Non-Federal Cost	NA
Cash	NA
Other	NA
Total Estimated Cost	NA
Allocation thru FY 2008	NA
Allocation for FY 2009	\$974,000
Allocation for FY 2010	\$953,000
Recovery Act Allocations To Date	\$ 0
Balance to Complete after FY 2010	NA
Benefit to Cost Ratio @ 7%	NA

FY 2010 ACTIVITIES: FY09 and FY10 funds are being combined to dredge the Anahuac Channel to project depth only. Contract award is scheduled for April 2010.

EARLIEST ATTAINABLE COMPLETION FY FOR PHASE: N/A

OTHER INFORMATION: Due to insufficient funding, the various channels of the Trinity River and Tributaries project have not been maintained to authorized project dimensions. The Anahuac Channel (6' depth) was last maintained in December 2002. Due to infrequent maintenance of the channel, current depths are as shallow as 1 foot MLT. The shallow depth of the Channel to Anahuac restricts all vessel traffic from accessing the Trinity River and its tributaries. The Channel to Anahuac is utilized by recreational and commercial fishing vessels with no commercial tonnage, therefore, it is difficult to compete nationally for funding using performance based metrics. FY 09/FY10 funding is being combined to fund dredging the Channel to Anahuac to project depth. Additional funds are needed to dredge to advance maintenance depths.

CONGRESSIONAL INTEREST: Senators Hutchison and Cornyn (TX), Representatives **Paul (TX-14)**, Culberson (TX-7), Jackson-Lee (TX-18), Olson (TX-22), A. Green (TX-9), G. Green (TX-29), Edwards (TX-17), and Poe (TX-2)

DISTRICT: Galveston