



DEPARTMENT OF THE ARMY  
OFFICE OF THE ASSISTANT SECRETARY  
CIVIL WORKS  
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WASHINGTON DC 20310-0108

FEB 01 2010

Honorable Barbara Boxer  
Chairman  
Committee on Environment and Public Works  
410 Dirksen Senate Office Building  
Washington, D.C. 20510-6175

Dear Chairman:

I am submitting the second annual Status Report on Construction Projects Requiring Mitigation, as required by Section 2036(b) of the Water Resources Development Act of 2007. The Fiscal Year 2010 status report consists of two spreadsheet tables which provide the information requested in Section 2036(b)(2)(A) and (C). One of the tables includes all projects currently under construction by the Corps. The other table lists the status of projects that require compensatory mitigation, as well as an estimate of the percentage of the construction and compensatory mitigation that has been completed. In response to Section 2036(b)(2)(B), a complete list of all the Corps' projects included in the Fiscal Year 2011 Budget can be accessed through the Corps' internet site when this information is released by the President. In addition, the status report will be made available on the Corps' Civil Works internet site concurrent with the release of the President's budget.

Section 2036(b)(1) also requires a report on the results of consultation required by Subsection 906(d)(4)(B) of the Water Resources Development Act of 1986, as amended, with appropriate Federal agencies and States in which the project is located. Although the Corps currently consults with the Federal resource agencies and States during the feasibility study phase when compensatory mitigation plans are prepared, additional consultation with States and Federal agencies to determine the success of mitigation projects will be accomplished. The Corps is reviewing comments on the draft policy for the consultation process which will be finalized by June 30, 2010. The results of the annual consultation process with appropriate Federal and State agencies will be included in the next mitigation status report.

If you have any questions, please don't hesitate to contact me.

Very truly yours,

Jo-Ellen Darcy  
Assistant Secretary of the Army  
(Civil Works)

Enclosures



## PROJECTS UNDER CONSTRUCTION BY USACE (FY-10)

January 2010

MSC	District	Project Name	Program Name
LRD	LRB	PRESQUE ISLE BEACH NOURISHMENT	PRESQUE ISLE PENINSULA, PA (PERMANENT) - BEACH RENOURISHMENT
LRD	LRC	CHICAGO SANITARY & SHIP CANAL, IL	CHICAGO SANITARY AND SHIP CANAL DISPERSAL BARRIER, IL - NAVIGATION/ENVIRONMENTAL
LRD	LRC	CHICAGO SANITARY AND SHIP CANAL DISPERSAL BARRIER, II	CHICAGO SANITARY AND SHIP CANAL, SECOND BARRIER, IL - NAVIGATION/ENVIRONMENTAL
LRD	LRC	CHICAGO SHORELINE, IL	CHICAGO SHORELINE, IL - ECOSYSTEM RESTORATION
LRD	LRC	DES PLAINES RIVER, IL	DES PLAINES RIVER, IL FLOOD DAMAGE REDUCTION
LRD	LRC	INDIANA SHORELINE EROSION, IN	INDIANA SHORELINE EROSION, IN - BEACH RENOURISHMENT
LRD	LRC	LITTLE CALUMET RIVER, CADY MARSH DITCH, IN	LITTLE CALUMET RIVER, IN - FLOOD DAMAGE REDUCTION
LRD	LRC	LITTLE CALUMET RIVER, IN	LITTLE CALUMET RIVER, IN - FLOOD DAMAGE REDUCTION
LRD	LRC	MC COOK RESERVOIR PROJECT, IL	MCCOOK AND THORNTON RESERVOIRS, IL - FLOOD DAMAGE REDUCTION
LRD	LRH	BLUESTONE LAKE, WV- DAM SAFETY ASSURANCE	BLUESTONE LAKE, WV - DAM SAFETY ASSURANCE
LRD	LRH	BUCHANAN COUNTY, VA	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRH	DICKENSON COUNTY, VA	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRH	GRUNDY, VA	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRH	ISLAND CREEK AT LOGAN, WV	ISLAND CREEK BASIN IN AND AROUND LOGAN, WEST VIRGINIA - FLOOD DAMAGE REDUCTION
LRD	LRH	MARMET LOCK REPLACEMENT, WV	MARMET LOCK, KANAWHA RIVER, WV - NAVIGATION
LRD	LRH	MARTIN COUNTY, KY	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRH	MCDOWELL CO., WV	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRH	PIKE COUNTY, KY - TUG	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRH	R.C. BYRD LOCK REPLACEMENT	ROBERT C BYRD LOCKS AND DAM, OHIO RIVER, WV & OH - NAVIGATION
LRD	LRH	TOWN OF MARTIN, KY	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRH	WEST COLUMBUS, OH	WEST COLUMBUS, OH - FLOOD DAMAGE REDUCTION
LRD	LRL	HOLES CREEK, W CARROLLTON, OH	HOLES CREEK - FLOOD DAMAGE REDUCTION
LRD	LRL	INDIANAPOLIS, WHITE RIVER NORTH, IN	INDIANAPOLIS, WHITE RIVER (NORTH), IN - FLOOD DAMAGE REDUCTION
LRD	LRL	MARKLAND LOCK	MARKLAND LOCKS AND DAM, KY & IN (MAJOR REHABILITATION) - NAVIGATION
LRD	LRL	MCALPINE LOCK REPLACEMENT	MCALPINE LOCKS AND DAM, OHIO RIVER, KY & IN - NAVIGATION
LRD	LRL	METROPOLITAN REGION OF CINCINNATI, DUCK CREEK, OH	METROPOLITAN REGION OF CINCINNATI, DUCK CREEK, OH - FLOOD DAMAGE REDUCTION
LRD	LRL	OHIO RIVER GREENWAY	OHIO RIVER GREENWAY PUBLIC ACCESS, IN - RECREATION
LRD	LRL	OHIO RIVER SHORELINE	OHIO RIVER SHORELINE, IN - FLOOD DAMAGE REDUCTION
LRD	LRL	OLMSTED LOCKS AND DAM, IL & KY	OLMSTED LOCKS AND DAM, OHIO RIVER, IL & KY - NAVIGATION
LRD	LRN	CENTER HILL LAKE, TN - MAJOR REHABILITATION SEEPAGE	CENTER HILL LAKE, TN - DAM SAFETY ASSURANCE
LRD	LRN	CHICKAMAUGA LOCK & DAM, TN	CHICKAMAUGA LOCK, TENNESSEE RIVER, TN - NAVIGATION

## PROJECTS UNDER CONSTRUCTION BY USACE (FY-10)

January 2010

MSC	District	Project Name	Program Name
LRD	LRN	CITY OF CUMBERLAND, KY	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRN	CLOVER FORK NONSTRUCTURAL	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRN	HARLAN COUNTY NONSTRUCTURAL	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, WV, VA & KY - FLOOD DAMAGE REDUCTION
LRD	LRN	KENTUCKY LOCK & DAM, TENNESSEE RIVER, KY	KENTUCKY LOCK AND DAM, TENNESSEE RIVER, KY - NAVIGATION
LRD	LRN	WOLF CREEK DAM SAFETY, KY	WOLF CREEK DAM, LAKE CUMBERLAND, KY - DAM SAFETY
LRD	LRP	EMSWORTH REHABILITATION	EMSWORTH LOCKS AND DAM, OHIO RIVER, PA - NAVIGATION
LRD	LRP	LOCKS AND DAMS 2, 3, & 4, MONONGAHELA RIVER, PA	LOCKS AND DAMS 2, 3 AND 4, MONONGAHELA RIVER, PA (LOWER MONONGAHELA RIVER) - LOCK REHABILITATION
LRD	LRP	SAW MILL RUN, PITTSBURGH, PA	SAW MILL RUN, PITTSBURGH, PA - FLOOD DAMAGE REDUCTION
LRD	LRP	THREE RIVERS WET WEATHER DEMONSTRATION, PITTSBURGH, PA	THREE RIVERS WET WEATHER DEMONSTRATION PROGRAM, PA - ENVIRONMENTAL
MVD	MVK	SECTION 592 - VARIOUS PROJECTS STATE OF MISSISSIPPI	MISSISSIPPI ENVIRONMENTAL INFRASTRUCTURE, MS - WATER SUPPLY
MVD	MVK	DIKES CONSTRUCTION - MISSISSIPPI RIVER	MISSISSIPPI RIVER, DIKES - NAVIGATION (Footnote 2)
MVD	MVK	J BENNETT JOHNSTON WATERWAY, LA	J BENNETT JOHNSTON WATERWAY, LA - NAVIGATION
MVD	MVK	MISSISSIPPI RIVER LEVEES	MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN - FLOOD RISK MANAGEMENT (Footnote 2)
MVD	MVK	OUACHITA RIVER LEVEES, LA	OUACHITA RIVER LEVEES, LA - FLOOD RISK MANAGEMENT
MVD	MVK	RED RIVER EMERGENCY	RED RIVER EMERGENCY BANK PROTECTION, AR & LA - FLOOD RISK MANAGEMENT
MVD	MVK	REVTMENTS CONSTRUCTION - MISSISSIPPI RIVER	MISSISSIPPI RIVER, REVETMENT OPERATIONS - NAVIGATION (Footnote 2)
MVD	MVK	DELTA HEADWATERS PROJECT, MS	YAZOO BASIN - DELTA HEADWATERS PROJECT, MS - FLOOD RISK MANAGEMENT (Footnote 1)
MVD	MVK	UPPER YAZOO PROJECTS	YAZOO BASIN - UPPER YAZOO PROJECTS, MS - FLOOD RISK MANAGEMENT (Footnote 1)
MVD	MVK	YAZOO BASIN, BIG SUN CONSTRUCTION	YAZOO BASIN - BIG SUNFLOWER RIVER, MS - FLOOD RISK MANAGEMENT (Footnote 1)
MVD	MVM	DIKES CONSTRUCTION - MISSISSIPPI RIVER DIKE CONSTRUCTION	MISSISSIPPI RIVER, DIKES - NAVIGATION (Footnote 2)
MVD	MVM	GRAND PRAIRIE REGION, AR	GRAND PRAIRIE REGION, AR - AGRICULTURAL WATER SUPPLY
MVD	MVM	MISSISSIPPI RIVER LEVEES	MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN - FLOOD RISK MANAGEMENT (Footnote 2)
MVD	MVM	REVTMENTS CONSTRUCTION - MISSISSIPPI RIVER BANK STABILIZATION	REVTMENT OPERATIONS - NAVIGATION (Footnote 2)
MVD	MVM	ST FRANCIS RIVER AND TRIBUTARIES, AR & MO	ST FRANCIS BASIN, AR & MO - FLOOD CONTROL
MVD	MVM	ST. JOHNS BAYOU - NEW MADRID FLOODWAY, MO	ST JOHNS BAYOU AND NEW MADRID FLOODWAY, MO - FLOOD DAMAGE REDUCTION (Footnote 3)
MVD	MVM	WOLF RIVER, MEMPHIS, TN	WOLF RIVER, MEMPHIS, TN - ENVIRONMENTAL RESTORATION

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MSC	District	Project Name	Program Name
MVD	MVN	ATCHAFALAYA BASIN FLOODWAY SYSTEM	ATCHAFALAYA BASIN, FLOODWAY SYSTEM, LA - WATER MNGT UNITS, PUBLIC ACCESS FEATURES, ENVIRONMENTAL EASEMENTS, RECREATIONAL COMPONENTS, AND BOAT LAUNCHES
MVD	MVN	COMITE RIVER BASIN, LA	COMITE RIVER, LA - FLOOD DAMAGE REDUCTION
MVD	MVN	EAST BATON ROUGE PARISH, LA	EAST BATON ROUGE PARISH, LA - FLOOD DAMAGE REDUCTION
MVD	MVN	FLOOD CONTROL, MISSISSIPPI RIVER AND TRIBUTARIES, CHANNEL STABILIZATION	REVTMENT OPERATIONS, MISSISSIPPI RIVER & TRIBUTARIES - FLOOD CONTROL/CHANNEL STABILIZATION (Footnote 2)
MVD	MVN	GRAND ISLE AND VICINITY, LA	GRAND ISLE AND VICINITY, LA - HURRICANE PROTECTION PROJECT
MVD	MVN	INNER HARBOR NAVIGATION LOCK (IHNC) - LOCK REPLACEMENT PROJECT	INNER HARBOR NAVIGATION CANAL LOCK, LA - NAVIGATION (Footnote 4)
MVD	MVN	LAKE PONTCHARTRAIN AND VICINITY, LA, HURRICANE PROTECTION PROJECT	LAKE PONTCHARTRAIN AND VICINITY, LA - HURRICANE PROTECTION
MVD	MVN	LAROSE TO GOLDEN MEADOW, LA	LAROSE TO GOLDEN MEADOW, LA - HURRICANE PROTECTION
MVD	MVN	MISSISSIPPI DELTA - DAVIS POND, LA	MISSISSIPPI DELTA REGION, LA - ENVIRONMENTAL
MVD	MVN	MISSISSIPPI RIVER LEVEES, LA	MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN - FLOOD RISK MANAGEMENT (Footnote 2)
MVD	MVN	MORGANZA TO THE GULF OF MEXICO, LA	MORGANZA TO THE GULF OF MEXICO, LA - HURRICANE PROTECTION (Footnote 5)
MVD	MVN	ATCHAFALAYA BASIN, LA - LEVEES	ATCHAFALAYA BASIN, LA - FLOOD DAMAGE REDUCTION
MVD	MVN	NEW ORLEANS TO VENICE, LA	NEW ORLEANS TO VENICE, LA - HURRICANE PROTECTION
MVD	MVN	SOUTHEAST LOUISIANA, ORLEANS PARISH, LA - ORLEANS, JEFFERSON AND ST. TAMMANY PARISHES	SOUTHEAST LOUISIANA, LA - FLOOD DAMAGE REDUCTIONS
MVD	MVN	WESTBANK AND VICINITY, NEW ORLEANS, LA	WEST BANK AND VICINITY, NEW ORLEANS, LA - HURRICANE PROTECTION PROJECT
MVD	MVP	BRECKENRIDGE, MN	BRECKENRIDGE, MN - FLOOD RISK MANAGEMENT
MVD	MVP	CROOKSTON, MN	CROOKSTON, MN - FLOOD RISK MANAGEMENT
MVD	MVP	GRAND FORKS & E GRAND FORKS, ND	GRAND FORKS, ND - EAST GRAND FORKS, MN - FLOOD DAMAGE REDUCTION
MVD	MVP	HOMME LAKE - DAM SAFETY, ND	HOMME LAKE, ND - SPILLWAY REPAIR
MVD	MVP	LOCK AND DAM 3, MISSISSIPPI RIVER, MN	LOCK AND DAM 3, MISSISSIPPI RIVER, MN (MAJOR REHABILITATION) - NAVIGATION
MVD	MVP	MILLE LACS, MN	MILLE LACS REGIONAL WASTEWATER, MN (GARRISON/ KATHIO TOWNSHIP) - ENVIRONMENTAL INFRASTRUCTURE
MVD	MVP	STILLWATER, MN	STILLWATER, MN - FLOOD RISK MANAGEMENT
MVD	MVR	DAVENPORT, IA	DAVENPORT, IA - FLOOD DAMAGE REDUCTION
MVD	MVR	DES MOINES & RACCOON RIVERS, IA	DES MOINES AND RACCOON RIVERS, IA - FLOOD DAMAGE REDUCTION
MVD	MVR	DES MOINES RIVER GREENBELT- RED ROCK TRAIL, IA	DES MOINES RECREATION RIVER AND GREENBELT, IA - RECREATION
MVD	MVR	DES MOINES RIVER GREENBELT- RIVERWALK, IA	DES MOINES RECREATION RIVER AND GREENBELT, IA - - RECREATION
MVD	MVR	ENVIRONMENTAL MANAGEMENT PROGRAM - REGIONAL PGM ELEMENTS	UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI - ENVIRONMENTAL
MVD	MVR	ILLINOIS RIVER 519 COMP PLAN (ISLAND COMPONENT)	ILLINOIS RIVER BASIN RESTORATION, IL - ENVIRONMENTAL
MVD	MVR	LOCKPORT POOL (MAJOR REHABILITATION)	ILLINOIS WATERWAY, LOCKPORT LOCK AND DAM, IL (REPLACEMENT)
MVD	MVR	MISSISSIPPI RIVER LOCK & DAM 11 - REHABILITATION	LOCK AND DAM 11, MISSISSIPPI RIVER, IA (MAJOR REHABILITATION) - NAVIGATION

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MSC	District	Project Name	Program Name
MVD	MVR	MISSISSIPPI RIVER NAVIGATION, POOL 19, KEMPS-CRAIGELS	MISSISSIPPI RIVER, POOL 19, KEMPS-CRAIGELS - NAVIGATION
MVD	MVS	REGULATING WORKS, MO & IL	MISSISSIPPI RIVER BETWEEN THE OHIO AND MISSOURI RIVERS (REGULATING WORKS), MO & IL - RIVER REGULATING WORKS
MVD	MVS	BOIS BRULE DRAINAGE AND LEVEE DISTRICT, MISSOURI	BOIS BRULE DRAINAGE AND LEVEE DISTRICT, MO - FLOOD DAMAGE REDUCTION
MVD	MVS	CAPE GIRARDEAU, FLOODWALL, MO	CAPE GIRARDEAU (FLOODWALL), MO - FLOOD DAMAGE REDUCTION
MVD	MVS	CHAIN OF ROCKS CANAL, MISSISSIPPI RIVER, IL	CHAIN OF ROCKS CANAL, MISSISSIPPI RIVER, IL (DEF CORR) - FLOOD DAMAGE REDUCTION
MVD	MVS	CHESTERFIELD, MO	CHESTERFIELD, MO - FLOOD DAMAGE REDUCTION
MVD	MVS	EAST ST. LOUIS & VICINITY, IL	EAST ST LOUIS & VICINITY (INTERIOR FLOOD CONTROL), IL - FLOOD DAMAGE REDUCTION
MVD	MVS	ENVIRONMENTAL MANAGEMENT PLAN, SWAN LAKE, IL	UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI - ENVIRONMENTAL
MVD	MVS	ENVIRONMENTAL MANAGEMENT PROGRAM, BATCHTOWN, IL	UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI - ENVIRONMENTAL
MVD	MVS	LOCK & DAM 24 MAJOR REHABILITATION	LOCK AND DAM 24, MISSISSIPPI RIVER, IL & MO (MAJOR REHABILITATION) - NAVIGATION
MVD	MVS	LOCKS 27 MAJOR REHABILITATION	LOCK AND DAM 27, MISSISSIPPI RIVER, IL (MAJOR REHABILITATION) - NAVIGATION
MVD	MVS	MADISON/ST. CLAIR, IL	MADISON AND ST. CLAIR COUNTIES, IL - ENVIRONMENTAL INFRASTRUCTURE, COMBINED SEWER OVERFLOW
MVD	MVS	MELVIN PRICE LOCK & DAM, IL & MO	MELVIN PRICE LOCK AND DAM, IL & MO - NAVIGATION
MVD	MVS	NUTWOOD DRAINAGE & LEVEE DISTRICT, IL	NUTWOOD DRAINAGE AND LEVEE DISTRICT, IL - FLOOD RISK MANAGEMENT
MVD	MVS	ST. LOUIS FLOOD PROTECTION, MO	ST LOUIS FLOOD PROTECTION, MO - FLOOD DAMAGE REDUCTION
MVD	MVS	WOOD RIVER LEVEE, IL	WOOD RIVER LEVEE, IL - FLOOD RISK MANAGEMENT
NAD	NAB	ATLANTIC COAST OF MARYLAND	ATLANTIC COAST OF MARYLAND, MD - STORM DAMAGE REDUCTION
NAD	NAB	TAYLORS ISLAND SHORELINE, MD	CHESAPEAKE BAY ENVIRONMENTAL RESTORATION AND PROTECTION, MD, VA & PA - ENVIRONMENTAL
NAD	NAB	PLOT & GREENRIDGE CONSTRUCTION	LACKAWANNA RIVER, SCRANTON, PA - FLOOD PROTECTION
NAD	NAB	WYOMING VALLEY LEVEE RAISING, PA	WYOMING VALLEY, PA (LEVEE RAISING) - FLOOD DAMAGE REDUCTION
NAD	NAE	FOX POINT HURRICANE BARRIER, RI	FOX POINT BARRIER, NARRAGANSETT BAY, RI - COASTAL STORM DAMAGE RISK REDUCTION
NAD	NAN	JOSEPH G. MINISH PASSAIC RIVER WATERFRONT PARK AND HISTORIC AREA, NEWARK, NJ	JOSEPH G. MINISH PASSAIC RIVER WATERFRONT PARK AND HISTORIC AREA, NEWARK, NJ - FLOOD DAMAGE REDUCTION
NAD	NAN	NEW YORK & NEW JERSEY HARBOR DEEPENING PROJECT (50')	NEW YORK AND NEW JERSEY HARBOR, NY & NJ - NAVIGATION
NAD	NAN	NEW YORK CITY WATERSHED	NEW YORK CITY WATERSHED, NY - ENVIRONMENTAL INFRASTRUCTURE ASSISTANCE
NAD	NAN	RARITAN RIVER BASIN-GREEN BROOK SUB-BASIN, NJ	RARITAN RIVER BASIN-GREEN BROOK SUB-BASIN, NJ - FLOOD DAMAGE REDUCTION
NAD	NAP	LOWER CAPE MAY MEADOWS, NJ	LOWER CAPE MAY MEADOW, CAPE MAY POINT, NJ - ECOSYSTEM RESTORATION
NAD	NAP	TOWNSEND INLET TO CAPE MAY, NJ	TOWNSEND INLET TO CAPE MAY INLET, NJ - STORM DAMAGE REDUCTION

## PROJECTS UNDER CONSTRUCTION BY USACE (FY-10)

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MSC	District	Project Name	Program Name
NWD	NWK	BLUE RIVER BASIN, KANSAS CITY, MO	BLUE RIVER BASIN, KANSAS CITY, MO - LEVEE AND CHANNEL MODIFICATION. FLOOD DAMAGE REDUCTION
NWD	NWK	BLUE RIVER CHANNEL, KANSAS CITY, MO	BLUE RIVER BASIN, KANSAS CITY, MO - LEVEE AND CHANNEL MODIFICATION. FLOOD DAMAGE REDUCTION
NWD	NWK	MISSOURI RIVER LEVEE SYSTEM, PLATTE COUNTY, MO	MISSOURI RIVER LEVEE SYSTEM, PLATTE COUNTY, MO
NWD	NWK	TURKEY CREEK, KS & MO	TURKEY CREEK BASIN, KS & MO - FLOOD DAMAGE REDUCTION
NWD	NWK	TUTTLE CREEK, KS - DAM SAFETY ASSURANCE PROGRAM	TUTTLE CREEK LAKE, KS - FLOOD DAMAGE REDUCTION
NWD	NWO	ANTELOPE CREEK, LINCOLN, NE	ANTELOPE CREEK, NE - FLOOD DAMAGE REDUCTION
NWD	NWO	BIG SIOUX RIVER, SIOUX FALLS, SD	BIG SIOUX RIVER, SIOUX FALLS, SD - FLOOD DAMAGE REDUCTION
NWD	NWO	GARRISON DAM, ND - MAJOR REHABILITATION	GARRISON DAM, LAKE SAKAKAWEA, ND - HYDROPOWER
NWD	NWO	SAND CREEK, WAHOO, NE	SAND CREEK WATERSHED, SAUNDERS COUNTY, NEBRASKA - ENVIRONMENTAL
NWD	NWO	WESTERN SARPY/CLEAR CREEK, NE	WESTERN SARPY COUNTY AND CLEAR CREEK - FLOOD DAMAGE REDUCTION
NWD	NWP	COLUMBIA RIVER CHANNEL IMPROVEMENT - NAVIGATION	COLUMBIA RIVER CHANNEL IMPROVEMENTS, OR & WA - NAVIGATION
NWD	NWP	COLUMBIA RIVER FISH MITIGATION AVIAN PREDATION OFFSITE MITIGATION	COLUMBIA RIVER CHANNEL IMPROVEMENTS, OR & WA - ENVIRONMENTAL
NWD	NWP	LOWER COLUMBIA RIVER ECOSYSTEM RESTORATION - SANDY RIVER DELTA	LOWER COLUMBIA RIVER ECOSYSTEM RESTORATION, OR & WA - ENVIRONMENTAL
NWD	NWS	DUWAMISH & GREEN, LAKE MERIDIAN OUTLET, WA	DUWAMISH AND GREEN RIVER BASIN, WA - ENVIRONMENTAL RESTORATION
NWD	NWS	HOWARD HANSON DAM ADDITIONAL WATER SUPPLY PROJECT FISH PASSAGE PH III, WA	HOWARD HANSON DAM, WA - ENVIRONMENTAL
NWD	NWS	SEC 595 BONNERS FERRY, ID	RURAL IDAHO, ID - ENVIRONMENTAL INFRASTRUCTURE
NWD	NWS	SEC 595 SMELTERVILLE WATER, ID	RURAL IDAHO, ID - ENVIRONMENTAL INFRASTRUCTURE
NWD	NWS	SEC 595 STEVENSVILLE, MT	RURAL MONTANA, MT - ENVIRONMENTAL INFRASTRUCTURE
NWD	NWW	FALL CHINOOK INITIATIVE-CAPTAIN JOHN RAPIDS	LOWER SNAKE RIVER FISH & WILDLIFE COMPENSATION, WA, OR & ID - ENVIRONMENTAL
NWD	NWW	LITTLE GOOSE JUVENILE BYPASS SYSTEM DEWATERING STRUCTURE REPAIR	COLUMBIA RIVER FISH MITIGATION, WA, OR & ID - ENVIRONMENTAL
NWD	NWW	LITTLE GOOSE JUVENILE PASSIVE INTEGRATED TAG DETECTOR	COLUMBIA RIVER FISH MITIGATION, WA, OR & ID - ENVIRONMENTAL
NWD	NWW	SHELLEY, ID, EASTERN REGION - SEC 595	RURAL IDAHO, ID - ENVIRONMENTAL INFRASTRUCTURE
SAD	SAC	LAKES MARION & MOULTRIE, SC	LAKES MARION AND MOULTRIE, SC - WATER SUPPLY
SAD	SAC	MYRTLE BEACH, SC - REACH 2	MYRTLE BEACH, SC - STORM DAMAGE REDUCTION - BEACH NOURISHMENT
SAD	SAC	N MYRTLE BEACH, SC - REACH 1	MYRTLE BEACH, SC - STORM DAMAGE REDUCTION - BEACH NOURISHMENT
SAD	SAJ	BREVARD COUNTY, FL	BREVARD COUNTY, FL - SHORE PROTECTION
SAD	SAJ	BROWARD COUNTY, FL	BROWARD COUNTY, FL - SHORE PROTECTION
SAD	SAJ	CANAVERAL HARBOR, FL	CANAVERAL HARBOR, FL - NAVIGATION
SAD	SAJ	CEDAR HAMMOCK, WARES CREEK, FL	CEDAR HAMMOCK, WARES CREEK, FL - FLOOD DAMAGE REDUCTION
SAD	SAJ	CENTRAL & SOUTHERN FLORIDA: SOUTH DADE COUNTY (C-111)	CENTRAL & SOUTHERN FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF UPPER ST JOHN RIVER BASIN	CENTRAL AND SOUTHERN FLORIDA - ECOSYSTEM RESTORATION

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MSC	District	Project Name	Program Name
SAD	SAJ	C&SF: CERP LAKE OKEECHOBEE WATERSHED	COMPREHENSIVE EVERGLADES RESTORATION PLAN - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF:CERP:C-111 SPREADER CANAL	COMPREHENSIVE EVERGLADES RESTORATION PLAN - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF:CERP:L-31N SEEPAGE MANAGEMENT PILOT	COMPREHENSIVE EVERGLADES RESTORATION PLAN - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF: CERP: LAKE OKEECHOBEE AQUIFER STORAGE AND RECOVERY PILOT PROJECT	COMPREHENSIVE EVERGLADES RESTORATION PLAN - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF: MANATEE PASS THRU GATES	CENTRAL AND SOUTHERN FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF: SOUTH DADE COUNTY (C-111)	CENTRAL AND SOUTHERN FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF:PICAYUNE STRAND	CENTRAL AND SOUTHERN FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF:CERP:SITE 1 IMPOUNDMENT	CENTRAL AND SOUTHERN FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF: WEST PALM BEACH CANAL	CENTRAL AND SOUTHERN FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	C&SF UPPER ST JOHN RIVER BASIN	CENTRAL AND SOUTHERN FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	EVERGLADES & SOUTH FLORIDA:LAKE OKEECHOBEE WATERSHED	EVERGLADES AND SOUTH FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	EVERGLADES & SOUTH FLORIDA: SEMINOLE BIG CYPRESS RESERVATION PLAN	EVERGLADES AND SOUTH FLORIDA - ECOSYSTEM RESTORATION
SAD	SAJ	EVERGLADES & SOUTH FLORIDA: WESTERN C-11 BASIN	EVERGLADES & SOUTH FLORIDA: WESTERN C-11 BASIN - ECOSYSTEM RESTORATION
SAD	SAJ	FERNANDINA HARBOR, FL	FERNANDINA HARBOR, FL - NAVIGATION
SAD	SAJ	FLORIDA KEYS WATER QUALITY IMPROVEMENTS	FLORIDA KEYS WATER QUALITY IMPROVEMENTS - ECOSYSTEM RESTORATION
SAD	SAJ	FT MEYERS BEACH	NAVIGATION
SAD	SAJ	FORT PIERCE BEACH, FL	FORT PIERCE BEACH, FL - STORM DAMAGE REDUCTION - BEACH NOURISHMENT
SAD	SAJ	FORT PIERCE BEACH, FL	FORT PIERCE BEACH, FL - SHORE PROTECTION
SAD	SAJ	HERBERT HOOVER DIKE, FL	HERBERT HOOVER DIKE, FL - FLOOD CONTROL/SEEPAGE CONTROL
SAD	SAJ	HORSESHOE COVE, FL	HORSESHOE COVE, FL - NAVIGATION
SAD	SAJ	INTRACOASTAL WATERWAY: CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL	INTRACOASTAL WATERWAY: CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL - NAVIGATION
SAD	SAJ	INTRACOASTAL WATERWAY JACKSONVILLE-MIAMI, FL	INTRACOASTAL WATERWAY JACKSONVILLE-MIAMI, FL - NAVIGATION
SAD	SAJ	JACKSONVILLE HARBOR, FL	JACKSONVILLE HARBOR, FL - NAVIGATION
SAD	SAJ	KISSIMMEE RIVER, FL	KISSIMMEE RIVER, FL - ECOSYSTEM RESTORATION
SAD	SAJ	LA ESPERANZA RESTORATION, PR	LA ESPERANZA RESTORATION - ECOSYSTEM RESTORATION
SAD	SAJ	LEE COUNTY, FL	LEE COUNTY, FL - SHORE PROTECTION
SAD	SAJ	MANATEE HARBOR, FL	MANATEE HARBOR, FL - NAVIGATION
SAD	SAJ	MIAMI HARBOR CHANNEL, FL	MIAMI HARBOR CHANNEL, FL - NAVIGATION
SAD	SAJ	MIAMI RIVER, FL	MIAMI RIVER, FL - NAVIGATION
SAD	SAJ	MODIFIED WATER DELIVERIES EVERGLADES NATIONAL PARK	MODIFIED WATER DELIVERIES TO ENP ECOSYSTEM RESTORATION & FLOOD DAMAGE REDUCTION
SAD	SAJ	NAPLES TO B MARCO PASS, FL	NAPLES TO B MARCO PASS, FL - NAVIGATION
SAD	SAJ	OKEECHOBEE WATERWAY, FL	OKEECHOBEE WATERWAY, FL - NAVIGATION
SAD	SAJ	PALM BEACH HARBOR, FL	PALM BEACH HARBOR, FL - NAVIGATION
SAD	SAJ	PONCE DE LEON INLET, FL	PONCE DE LEON INLET, FL - NAVIGATION

## PROJECTS UNDER CONSTRUCTION BY USACE (FY-10)

January 2010

MSC	District	Project Name	Program Name
SAD	SAJ	PORTUGUES AND BUCANA RIVERS PR	PORTUGUES AND BUCANA RIVERS, PR - FLOOD RISK REDUCTION, WATER SUPPLY, RECREATION, AND PORTUGUES DAM
SAD	SAJ	RIO ANTON RUIZ, PR	RIO ANTON RUIZ, PR - FLOOD DAMAGE REDUCTION
SAD	SAJ	RIO FAJARDO, PR	RIO FAJARDO, PR - FLOOD DAMAGE REDUCTION
SAD	SAJ	RIO EL OJO DE AGUA, PR	RIO EL OJO DE AGUA, PR - FLOOD DAMAGE REDUCTION
SAD	SAJ	RIO GRANDE DE ARECIBO, PR	ARECIBO RIVER, PR - FLOOD RISK REDUCTION
SAD	SAJ	RIO GRANDE DE LOIZA, PR	RIO GRANDE DE LOIZA, PR - FLOOD RISK REDUCTION
SAD	SAJ	RIO GRANDE DE MANATI, PR	RIO GRANDE MANATI, PR - FLOOD DAMAGE REDUCTION
SAD	SAJ	RIO PUERTO NUEVO, PR	RIO PUERTO NUEVO, PR - FLOOD RISK REDUCTION
SAD	SAJ	ROSE BAY ECOSYSTEM RESTORATION	ROSE BAY ECOSYSTEM RESTORATION
SAD	SAJ	SAN JUAN HARBOR, PR	SAN JUAN HARBOR, FL - NAVIGATION
SAD	SAJ	ST. LUCIE INLET, FL	ST LUCIE INLET, FL - NAVIGATION
SAD	SAJ	STEVENSON CREEK, FL	STEVENSON CREEK, FL - ECOSYSTEM RESTORATION
SAD	SAJ	TAMPA HARBOR, FL	TAMPA HARBOR, FL - NAVIGATION
SAD	SAJ	USDA MELALEUCA QUARANTINE FACILITY	USDA MELALEUCA QUARANTINE - ECOSYSTEM RESTORATION
SAD	SAM	BAYOUS CASOTTE, MS	BAYOUS CASOTTE, MS - NAVIGATION
SAD	SAM	BAYOUS CASOTTE, MS	BAYOUS CASOTTE, MS - NAVIGATION
SAD	SAM	TUSCALOOSA AREA OFFICE	TUSCALOOSA AREA OFFICE, AL - RELOCATION OF OFFICE
SAD	SAM	WALTER F. GEORGE POWERHOUSE	WALTER F. GEORGE POWERHOUSE
SAD	SAS	BRUNSWICK HARBOR DEEPENING, GA	BRUNSWICK HARBOR, GA - NAVIGATION
SAD	SAS	HARTWELL LAKE POWERHOUSE REHABILITATION	HARTWELL LAKE, GA & SC - HYDROPOWER
SAD	SAS	RICHARD B RUSSELL DAM & LAKE, GA & SC	RICHARD B RUSSELL DAM AND LAKE, GA & SC - HYDROPOWER, FLOOD RISK
SAD	SAS	THURMOND LAKE POWERHOUSE REHABILITATION	J STROM THURMOND LAKE, GA & SC - HYDROPOWER
SAD	SAW	JH KERR MAJOR REHABILITATION	JOHN H KERR LAKE, VA & NC - HYDROPOWER & FLOOD RISK MANAGEMENT
SAD	SAW	ROANOKE RIVER UPPER BASIN, VA	ROANOKE RIVER UPPER BASIN, HEADWATERS AREA, VA - FLOOD RISK
SPD	SPA	ACEQUIAS IRRIGATION SYSTEM, NM	ACEQUIAS IRRIGATION SYSTEM, NM - AGRICULTURE: REPAIRS & RECONSTRUCTS
SPD	SPA	ALAMOGORDO, NM	ALAMOGORDO, NM - FLOOD DAMAGE REDUCTION
SPD	SPA	ALBUQUERQUE LEVEES, NM	ALBUQUERQUE LEVEES - FLOOD DAMAGE REDUCTION
SPD	SPA	BLACK MESA STORM DRAINAGE, NM	CENTRAL NEW MEXICO, NM - ENVIRONMENTAL INFRASTRUCTURE
SPD	SPA	MIDDLE RIO GRANDE BOSQUE REFUGE, NM	MIDDLE RIO GRANDE RESTORATION, NM - ENVIRONMENTAL
SPD	SPA	PECOS, NM - SEC 595	NEW MEXICO ENVIRONMENTAL INFRASTRUCTURE PROGRAM - ENVIRONMENTAL
SPD	SPA	QUESTA WATER SYSTEM, NM - SEC. 595	NEW MEXICO ENVIRONMENTAL INFRASTRUCTURE PROGRAM - ENVIRONMENTAL
SPD	SPA	SW VALLEY ALBUQUERQUE	SW VALLEY FLOOD DAMAGE REDUCTION, ALBUQUERQUE, NM - FLOOD DAMAGE
SPD	SPA	SW VALLEY DRINKING WATER, NM	CENTRAL NEW MEXICO, NM - ENVIRONMENTAL INFRASTRUCTURE
SPD	SPK	AMERICAN RIVER WATERSHED, CA - COMMON	AMERICAN RIVER WATERSHED (COMMON FEATURES), CA - FLOOD DAMAGE
SPD	SPK	AMERICAN RIVER WATERSHED, CA - FOLSOM BRIDGE	AMERICAN RIVER - FLOOD DAMAGE REDUCTION
SPD	SPK	AMERICAN RIVER WATERSHED, CA - FOLSOM DAM	AMERICAN RIVER - FLOOD DAMAGE REDUCTION
SPD	SPK	AMERICAN RIVER WATERSHED, CA - FOLSOM DAM RAISE	AMERICAN RIVER WATERSHED (FOLSOM DAM MODIFICATIONS), CA - FLOOD
SPD	SPK	FARMINGTON GROUNDWATER RECHARGE	FARMINGTON RECHARGE, CA - WATER SUPPLY
SPD	SPK	GLEN COLUSA IRRIGATION DISTRICT FISH SCREEN, CA	GLEN COLUSA IRRIGATION DISTRICT, CA - FISH SCREEN - ENVIRONMENTAL
SPD	SPK	GUADALUPE RIVER, SAN JOSE, CA	GUADALUPE RIVER, CA - FLOOD DAMAGE REDUCTION
SPD	SPK	KAWEAH SPILLWAY ENLARGEMENT, CA	KAWEAH RIVER, CA - FLOOD DAMAGE REDUCTION
SPD	SPK	NAPA RIVER, NAPA, CA	NAPA RIVER, CA - FLOOD DAMAGE REDUCTION

# PROJECTS UNDER CONSTRUCTION BY USACE (FY-10)

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MSC	District	Project Name	Program Name
SPD	SPK	SACRAMENTO RIVER BANK PROTECTION, CA	SACRAMENTO RIVER BANK PROTECTION PROJECT, CA - FLOOD DAMAGE
SPD	SPK	SAN LORENZO RIVER, CA	SAN LORENZO RIVER, CA - FLOOD DAMAGE REDUCTION
SPD	SPK	SOUTH SACRAMENTO COUNTY STREAMS, CA	SOUTH SACRAMENTO COUNTY STREAMS, CA - FLOOD DAMAGE REDUCTION
SPD	SPK	YUBA RIVER BASIN, CA	YUBA RIVER BASIN, CA - FLOOD DAMAGE REDUCTION
SPD	SPL	HARBOR/ SOUTH BAY, CA	HARBOR/SOUTH BAY WATER RECYCLING STUDY, LOS ANGELES, CA - WATER
SPD	SPL	LOWER MISSION CREEK, CA	LOWER MISSION CREEK, CA - FLOOD DAMAGE REDUCTION
SPD	SPL	MURRIETA CREEK, CA	MURRIETA CREEK, CA - FLOOD DAMAGE REDUCTION
SPD	SPL	NOGALES WASH, AZ	NOGALES WASH, AZ - FLOOD DAMAGE REDUCTION
SPD	SPL	NORTH VALLEY REGIONAL WATER INFRASTRUCTURE,	NORTH VALLEY REGIONAL WATER INFRASTRUCTURE, CA - WATER SUPPLY
SPD	SPL	PORT OF LONG BEACH, CA	PORT OF LONG BEACH (DEEPENING), CA - NAVIGATION
SPD	SPL	RIO DE FLAG - FLAGSTAFF, AZ	RIO DE FLAG FLAGSTAFF, AZ - FLOOD DAMAGE REDUCTION
SPD	SPL	SAN LUIS REY RIVER, CA	SAN LUIS REY RIVER, CA - FLOOD DAMAGE REDUCTION
SPD	SPL	SANTA ANA RIVER MAINSTEM, CA	SANTA ANA RIVER MAINSTEM, CA - FLOOD DAMAGE REDUCTION
SPD	SPL	SANTA PAULA, CA	SANTA PAULA CREEK, CA - FLOOD DAMAGE REDUCTION
SPD	SPL	SURFSIDE-SUNSET-NEWPORT, CA	SURFSIDE-SUNSET-NEWPORT BEACH, CA - SHORELINE PROTECTION
SPD	SPL	TRES RIOS, AZ	TRES RIOS, AZ - FLOOD DAMAGE REDUCTION
SPD	SPL	TUCSON DRAINAGE AREA, AZ	TUCSON DRAINAGE AREA, AZ - FLOOD DAMAGE REDUCTION
SPD	SPL	UPPER NEWPORT BAY ECOSYSTEM RESTORATION, CA	UPPER NEWPORT BAY, CA - ENVIRONMENTAL
SPD	SPN	HAMILTON WETLANDS RESTORATION, CA	HAMILTON AIRFIELD WETLANDS RESTORATION, CA - ENVIRONMENTAL
SPD	SPN	OAKLAND HARBOR, CA - DEEPENING 50'	OAKLAND HARBOR (50 FOOT PROJECT), CA - NAVIGATION
SPD	SPN	PETALUMA RIVER, CA	PETALUMA RIVER, CA - FLOOD DAMAGE REDUCTION
SPD	SPN	SAN RAMON VALLEY, CA	SAN RAMON VALLEY RECYCLED WATER, CA - WATER SUPPLY
SPD	SPN	UPPER GUADALUPE RIVER, CA	UPPER GUADALUPE RIVER, CA - FLOOD DAMAGE REDUCTION
SPD	SWF	CENTRAL CITY, FORT WORTH, TRINITY RIVER PROJECT,	CENTRAL CITY, FORT WORTH, UPPER TRINITY RIVER BASIN, TX - FLOOD RISK
SPD	SWF	DALLAS FLOODWAY EXTENSION, TRINITY RIVER	DALLAS FLOODWAY EXTENSION, TRINITY RIVER PROJECT, TX - FLOOD RISK
SPD	SWF	SAN ANTONIO CHANNEL IMPROVEMENT PROJECT -	SAN ANTONIO CHANNEL IMPROVEMENT PROJECT - ENVIRONMENTAL
SWD	SWF	WACO LAKE, TX	WACO LAKE, TX - POOL RAISE
SWD	SWF	WHITNEY LAKE POWERHOUSE REHABILITATION., TX	WHITNEY LAKE, TX - POWERHOUSE REHABILITATION
SWD	SWG	BRAYS BAYOU, UPSTREAM ELEMENT, HOUSTON, TX	BRAYS BAYOU, UPSTREAM ELEMENT, HOUSTON, TX - FLOOD DAMAGE
SWD	SWG	BUFFALO BAYOU DAM SAFETY ASSURANCE, TX	BUFFALO BAYOU & TRIBUTARIES, TX - FLOOD DAMAGE REDUCTION
SWD	SWG	CLEAR CREEK, TX	CLEAR CREEK, TX - FLOOD DAMAGE REDUCTION
SWD	SWG	CULLEN PARK, TX	BUFFALO BAYOU & TRIBUTARIES (CULLEN PARK) - FLOOD DAMAGE REDUCTION
SWD	SWG	HOUSTON-GALVESTON NAVIGATION CHANNELS, TX	GALVESTON CHANNEL, TX - NAVIGATION
SWD	SWG	HUNTING BAYOU, HARRIS COUNTY, TX	HUNTING BAYOU, HOUSTON, TX - FLOOD DAMAGE REDUCTION
SWD	SWG	NORTH PADRE ISLAND, PACKERY CHANNEL, TX	NORTH PADRE ISLAND, PACKERY CHANNEL, TX - ENVIRONMENTAL
SWD	SWG	SIMS BAYOU, TX	SIMS BAYOU, HOUSTON, TX - FLOOD DAMAGE REDUCTION
SWD	SWG	TEXAS CITY CHANNEL, TX	TEXAS CITY CHANNEL (50-FOOT PROJECT), TX - NAVIGATION
SWD	SWL	CLEARWATER MAJOR REHABILITATION, MO	CLEARWATER LAKE, MO - FLOOD RISK MANAGEMENT
SWD	SWL	FOURCHE BAYOU BASIN, AR	FOURCHE BAYOU BASIN, LITTLE ROCK, AR - FLOOD RISK MANAGEMENT
SWD	SWL	MCKLENNAN-KERR ARKANSAS RIVER, 12-FOOT CHANNEL	MCKLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM, AR - NAVIGATION
SWD	SWL	MONTGOMERY POINT LOCK & DAM, AR	MONTGOMERY POINT LOCK AND DAM, AR - NAVIGATION
SWD	SWL	OZARK MAJOR REHABILITATION, AR	OZARK - JETA TAYLOR LOCK AND DAM, AR - NAVIGATION
SWD	SWT	BOWIE COUNTY LEVEE, TX	RED RIVER BELOW DENISON DAM, LA, AR & TX - FLOOD RISK MANAGEMENT

**PROJECTS UNDER CONSTRUCTION BY USACE (FY-10)**

January 2010

<b>MSC</b>	<b>District</b>	<b>Project Name</b>	<b>Program Name</b>
SWD	SWT	CANTON, OK, DAM SAFETY	CANTON LAKE, OK - FLOOD DAMAGE REDUCTION
SWD	SWT	LAWTON, OK	LAWTON, OKLAHOMA - ENVIRONMENTAL INFRASTRUCTURE (ONGOING)
SWD	SWT	RED RIVER BASIN CHLORIDE CONTROL, TX & OK	RED RIVER BASIN CHLORIDE CONTROL, TX & OK - ENVIRONMENTAL
SWD	SWT	WEBBERS FALLS POWERHOUSE MAJOR REHABILITATION	WEBBERS FALLS LOCK AND DAM, OK - HYDROPOWER
SWD	SWT	YUKON, OK	YUKON, OKLAHOMA - ENVIRONMENTAL INFRASTRUCTURE

## FOOTNOTES

**1. The Upper Yazoo Project** - The projects within the Yazoo Basin that are currently being constructed are the Delta Headwater Projects that reduce flooding and sedimentation in Northwest Mississippi, the Upper Yazoo Projects that were authorized to improve headwater flooding in the Yazoo Basin, and the Big Sunflower River Maintenance Project that is designed to restore flow capacity of the Big Sunflower Project completed in the 1960's. The remaining projects within the Yazoo Basin currently not in construction are the Yazoo Basin Backwater Pumping Plant, Main Stem Construction, and Backwater Area Construction projects. Also, the Yazoo Basin Reformulation study currently has two portions. The Yazoo Basin Tributaries Reformulation Study is currently receiving funding for continued study. The second portion is the Yazoo Basin Backwater Reformulation which as of August 2008 the EPA sanctioned a 404c veto halting any further study efforts.

**2. Mississippi River and Tributaries Project** - Mississippi River Levees, Dike Construction and Revetment Operation/Construction are all ongoing construction within MVK, MVM, and MVN.

**3. St John's Bayou** - Environmental Defense and the National Wildlife Federation filed suit in Federal court challenging the NEPA compliance of the project. On 13 September 2007, the Judge of the US District Court for the District of Columbia granted the Plaintiff's motion for summary judgment against the US Army Corps of Engineers and the Secretary of the Army. The Order sets aside the RSEIS 2, the 2002 RSEIS, and the ROD. The Corps was directed to cease construction and remove any part of the project that had been built. The Department of Justice and Solicitor General decided not to appeal. The Corps will comply with the court's order to restore the site and will prepare additional NEPA documentation.

**4. Inner Harbor Navigation Canal (IHNC) Lock Replacement Project** - Construction of this project was underway when the project was enjoined by Federal District court in late 2006, pending the preparation of a supplemental EIS. The final supplemental EIS is expected to be released for 30-day agency review in April 2009.

**5. Morganza to the Gulf of Mexico Project** - Federal construction of the project has not commenced. A post-authorization change report is being prepared due to substantial escalation of project cost estimates since it was authorized. The non-Federal sponsor has initiated construction of project components. The amount of work-in-kind credit that will be allowed for the non-Federal sponsor's construction efforts will be determined when the project is re-authorized.

## ACRONYMS

LRD

GREAT LAKES AND RIVERS DIVISION

LRB BUFFALO DISTRICT

LRC CHICAGO DISTRICT

LRH HUNTINGTON DISTRICT

LRL LOUISVILLE DISTRICT

LRN NASHVILLE DISTRICT

MVD LRP PITTSBURGH DISTRICT

MISSISSIPPI VALLEY DIVISION

MVK VICKSBURG DISTRICT

MVM MEMPHIS DISTRICT

MVN NEW ORLEANS DISTRICT

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## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
LRD	LRC	LITTLE CALUMET RIVER, IN	80%	26%	Wetland (435 Acres Total), wetland types include wet prairie and forested wetland.	Restored: 3 acres of wet prairie, 42 acres of mesic/wet mesic prairie and 44 acres of wet oak savanna.
LRD	LRH	BLUESTONE DAM, WV - DAM SAFETY ASSURANCE	48%	100%	Aquatic (10 Acres Total) includes restoration of lake lacustrine habitat.	Constructed 10 acres of in-lake habitat features (felled timber and rock piles).
LRD	LRH	MARMET LOCK, KANAWHA RIVER, WV	99%	100%	Mixed Habitat Types (58.3 Acres Total) includes Riverine riparian, hardwood forest, bottomland hardwood/riparian, agriculture lands.	Created 5.3 acres of riverine riparian habitat (emergent wetlands and embayment), upland hardwood forest plantings - 31 Acres, bottomland hardwood/riparian - 4 acres planted, agricultural lands - 18 acres planted with prairie grasses and mast seed (values change of 50-year planning period).
LRD	LRH	R. C. BYRD LOCKS & DAM, WV & OH	98%	100%	Wetlands (1,044 Acres Total) Wetlands creation and wetland acquisition and enhancement.	Developed 224 acres including emergent wetland creation on project lands; acquired and managing 820 acres off-site known as Greenbottom Swamp (emergent and scrub-shrub). Managing for Fish and Wildlife
LRD	LRH	WINFIELD LOCK, KANAWHA RIVER, WV	100%	100%	Mixed Habitat Types (25 Acres Total) Wetlands and open-water.	Created 25 acres of emergent wetlands and 5 ponds to offset impacts from wetland losses and intermittent stream losses
LRD	LRL	INDIANAPOLIS, WHITE RIVER NORTH, IN	50%	38%	Riparian Restoration (29 Acres Total) which includes reforestation (bottomland hardwood tree plantings) and wetlands restoration and/or creation.	Planted 11 acres of bottomland hardwoods.
LRD	LRL	METROPOLITAN REGION OF CINCINNATI, DUCK CREEK, OH	65%	86%	Riparian Restoration (21 Acres Total) which includes reforestation (bottomland hardwood tree plantings) and placement of wood duck and squirrel nesting boxes.	Tree planting (14,000) has been completed at the 21 acre site and the placement of Wood Duck and squirrel nesting boxes has been completed. Contractor will replace 2,300 trees this spring as part of the warranty.

**STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)**

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
LRD	LRL	OLMSTED LOCKS AND DAM, IL AND KY	49%	99%	Wetland (Total of 2,063 Acres) which includes land acquisition for wildlife and water management for wetlands.	Acquired 2,063 acres of bottomland hardwoods, wetlands and agricultural lands for wildlife management, constructed water supply system providing wetland management capabilities for 1,400 acres on Ballard Wildlife Management Area, KY, and provide Kentucky Department of Fish and Wildlife Resources with \$20,000 annually to monitor impacts and construct or repair managed wetlands.
LRD	LRP	LOCKS AND DAMS 2, 3 AND 4, MONONGAHELA RIVER, PA	60%	25%	Aquatic (Habitat and Water Quality) A Detailed Estimate of Total Acreage for this mitigation not applicable. Agreed mitigation entails aeration device installation in dam, shallow water habitat improvements and water management for habitat along 80 miles of shoreline.	Completed measure is the installation of a water quality gate for aeration in dam and optimization of operational changes to augment low flow aeration.
MVD	MVK	J BENNETT JOHNSTON WATERWAY	88%	50%	Purchase 14,000 acres of bottomland hardwood lands for management and reforestation. Lands may be a mixture of agricultural for restoration or be already existing forest.	7,063 acres have been purchased to date, effort is ongoing to acquire land from willing sellers. 6937 acres remaining.
MVD	MVK	MISSISSIPPI RIVER LEVEES	45%	41%	Project consists of purchasing 5,200 acres of cleared or agricultural land for reforestation and management in bottomland hardwood habitat.	5,140 acres of agricultural land has been purchased and 2,132 acres have been reforested. 60 acres remaining to be purchased.
MVD	MVK	UPPER YAZOO PROJECTS, MS	56%	73%	Purchase 16,250 acres of bottomland hardwood habitat, either cleared or agriculture land, for reforestation and management.	11,834.94 acres of bottomland hardwood habitat has been purchased and most, 11,862 acres, has been reforested to date. 4415 acres remain to be purchased.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
MVD	MVM	GRAND PRAIRIE REGION, AR	1%	48%	Purchase and manage 380 acres of bottomland hardwood forest land for restoration and management.	182 acres of bottomland hardwood habitat has been purchased and effort is on going. 198 acres remain to be purchased and managed.
MVD	MVM	MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MO, MS	37%	20%	Purchase and manage 3,045 acres of bottomland hardwood forest habitat for restoration and management.	609 acres of bottomland hardwoods have been purchased to date, 2,436 remaining to be purchased and managed.
MVD	MVM	ST FRANCIS RIVER AND TRIBUTARIES, AR & MO	87%	98%	Acquire and manage 13,776 acres of bottomland hardwood forest habitat.	13,500 acres of bottomland hardwood forest habitat has been purchased and placed under management, 276 acres remaining to be purchased.
MVD	MVM	ST JOHNS BAYOU AND NEW MADRID FLOODWAY, MO	7%	18%	Project currently requires 8,800 acres of bottomland hardwoods be purchased for management. Project is on hold due to litigation and these mitigation numbers may change, either up or down, if project moves forward.	1,600 acres of bottomland hardwood habitat has already been purchased, but mitigation efforts are on hold now due to litigation.
MVD	MVN	COMITE RIVER, LA	18%	0%	Acquire, reforest and manage 1,676 acres of cleared agriculture and other suitable land for bottomland hardwood habitat, plus reforest and manage 144 acres of project land, for a total mitigation requirement of 1,820 acres of mitigation.	Mitigation effort is just beginning concurrent with construction, efforts beginning with willing land sellers.
MVD	MVN	EAST BATON ROUGE PARISH, LA - FLOOD CONTROL	11%	0%	Acquire, reforest and manage 397 acres of cleared land for bottomland hardwood habitat. Land can be agriculture or other suitable type.	Project construction is just beginning and mitigation efforts with willing land owners is just beginning.
MVD	MVN	INNER HARBOR NAVIGATION CANAL LOCK REPLACEMENT PROJECT, LA	<1%	0%	Acquire, revegetate and manage 85 acres of currently submerged land through beneficial use of dredged material, plantings, and management.	Mitigation plan has only recently been approved and construction related efforts beginning, so no mitigation work done yet.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
MVD	MVN	LAKE PONTCHARTRAIN AND VICINITY, LA - HURRICANE PROTECTION	60%	100%	Construct breakwaters to protect wetlands and dredged material deposition to restore wetlands - 1,100 average annual acres total preserved/restored	This is in support of the existing hurricane levees and mitigation, breakwater construction and wetland creation has been completed.
MVD	MVN	LAROSE TO GOLDEN MEADOW, LA - HURRICANE PROTECTION	95%	100%	Construct water management structures to protect/preserve wetlands - 3,139 acres total.	This is in support of the existing hurricane levees south west of New Orleans and mitigation in the form of water management via weirs and pumps has been completed.
MVD	MVN	MISSISSIPPI RIVER LEVEES, LA	95%	95%	Reforest and manage 37 acres of bottomland hardwood habitat on cleared land of suitable habitat type.	A total of 35 acres of land has been reforested and placed under management to date. 2 acres remain to be purchased.
MVD	MVN	NEW ORLEANS TO VENICE, LA - HURRICANE PROTECTION	95%	100%	Wetland, fresh marsh, will be created through construction of delta splays, restoring 1,710 acres of delta habitat.	All splays or crevasses have been constructed and functioning well, mitigation complete.
MVD	MVN	WEST BANK AND VICINITY, LA - HURRICANE PROTECTION	60%	10%	Construct breakwaters to protect wetlands and acquire and manage forested wetlands, 3,175 acres total.	Project is in construction and mitigation effort just beginning, land acquisition under way as well as breakwater design and initial construction.
MVD	MVP	LOCK AND DAM 3, MISSISSIPPI RIVER, MN - MAJOR REHABILITATION	0%	50%	Land acquisition, revegetation and management of 313 acres of bottomland hardwood and fresh marsh.	156 acres of land, bottomland hardwood forest and fresh marsh, have been purchased and placed under management.
MVD	MVR	DES MOINES & RACCOON RIVERS, IA	0%	0%	Mitigation consists of 2.8 acres emergent wetlands creation; 2.7 acres open water acquisition; 2.6 acres bottomland hardwoods planting; 8.6 upland forest acquisition. Total acres is 16.7.	Mitigation plan has been approved, waiting on project funding to begin concurrent effort with construction.
MVD	MVR	ILLINOIS WATERWAY, LAGRANGE POOL, BEARDSTOWN	100%	95%	Involves creation of three fresh water ponds totaling less than 2 acres.	Mitigation construction essential complete except for finishing some water control aspects and levee topping.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
MVD	MVR	ILLINOIS WATERWAY NAVIGATION, STARVED ROCK POOL, BULL'S ISLAND	100%	0%	Wetland mitigation credits to be purchased from a mitigation bank; 1.5 acres (credits) non-forested wetland.	In process of purchasing available credits.
MVD	MVR	MISSISSIPPI RIVER NAVIGATION - OQUAKWA	100%	100%	1.1 acres of riparian wetland to be restored by cease farming activity and allowing land to return to natural wetland revegetation	Mitigation completed during the reporting period.
MVD	MVR	MISSISSIPPI RIVER NAVIGATION, POOL 13	100%	100%	5 acres agricultural field were retired and allowed to revert to wetland vegetation and 11 acres agricultural field were retired and planted in bottomland hardwood tree species. Total lands was 16 acres.	Mitigation completed during the reporting period.
MVD	MVR	MISSISSIPPI RIVER NAVIGATION, POOL 18 - KEITHSBURG	100%	100%	15 acres riparian wetland purchased, farming ceased and allowed to return to natural wetland revegetation.	Mitigation complete.
MVD	MVR	MISSISSIPPI RIVER NAVIGATION, POOL 19 - KEMPS-CRAIGELS	100%	100%	8.9 acres riparian wetland purchased and farming ceased and allowed to return to natural revegetation.	Mitigation complete.
MVD	MVS	CHAIN OF ROCKS CANAL, MISSISSIPPI RIVER, IL - DEF CORR	42%	52%	A total of 147 acres of fresh water marsh and bottomland hardwoods to be purchased for restoration and management.	64 acres of fresh water wetlands purchased for management and 12 acres of bottomland hardwoods have also been purchased for planting and management. 71 acres of wetlands remain to be purchased and managed.
MVD	MVS	CHESTERFIELD, MO	10%	0%	87 acres wetlands, fresh marsh and bottomland hardwood forest to be acquired for management.	Construction just started, mitigation work, acquisition, with willing land sellers beginning.
MVD	MVS	MELVIN PRICE LOCK AND DAM, IL & MO	100%	100%	1,482 acres of mixed wildlife habitat purchased and preserved.	Mitigation complete.
NAD	NAB	PLOT & GREENRIDGE CONSTRUCTION - LACKAWANNA RIVER, SCRANTON, PA - FLOOD PROTECTION	65%	0%	Non-structural	No ecological mitigation measures were required for this project.
NAD	NAB	WYOMING VALLEY, PA (LEVEE RAISING) - FLOOD DAMAGE REDUCTION	90%	30%	Non-ecological	No ecological mitigation measures were required for this project.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
NAD	NAN	JOSEPH G. MINISH PASSAIC RIVER WATERFRONT PARK AND HISTORIC AREA, NEWARK, NJ	60%	0%	1.7 acres tidal mudflat	0 acres implemented
NAD	NAN	NEW YORK & NEW JERSEY HARBOR DEEPENING PROJECT	50%	100%	91.2 acres of intertidal salt marsh/mudflat	91.2 intertidal salt marsh/mudflat at four locations
NAD	NAN	RARITIAN RIVER BASIN-GREEN BROOK SUB-BASIN, NJ	40%	90%	130 acres of riparian habitat	120 acres implemented as: 28.5 riparian forest/streambank; +6.2 upland forest; +35.5 wetland forest; +5.4 shrub/scrub; +5.6 emergent wetland; +39.3 grassland
NWD	NWK	BLUE RIVER BASIN, KANSAS CITY, MO	45%	0%	A total of 0.5 acre of wetland mitigation would be required for this project. Acquisition of real estate for the mitigation site and future management of the mitigation site would be the project sponsor's responsibility	At this time project construction has not been initiated and the 0.5 acre of emergent wetland remains to be constructed. Site would be acquired and managed by sponsor.
NWD	NWK	BLUE RIVER CHANNEL, KANSAS CITY, MO	90%	35%	A maximum of 442 acres of native grass and 98 acres of bottomland hardwood forest is required to mitigate for this project. Changes to the project design, as a result of value engineering studies, will likely result in less adverse impact to fish and wildlife habitat.	Mitigation complete to date is 214 acres of native grass planting. Acquisition of real estate for the mitigation sites, and future management of the mitigation sites, is the project sponsor's responsibility.
NWD	NWK	St JOSEPHS	0%	0%	Approximately 25 acres consisting of 4.9 acres of emergent wetland, 7 acres of bottomland hardwood, and 12.7 acres of scrubland habitat	construction has not been initiated and the 4.9 acres of emergent wetland, 7 acres of bottomland hardwood, and 12.7 acres of scrubland habitat remains to be constructed. Acquisition of real estate for the mitigation site and future management of the mitigation site would be the project sponsor's responsibility.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
NWD	NWK	TOPEKA KANSAS	0%	0%	15 acres of bottomland hardwoods for wildlife	Project construction has not been initiated and the 15 acres of bottomland hardwood forest remains to be constructed. Acquisition of real estate for the mitigation site and future management of the mitigation site would be the project sponsor's responsibility.
NWD	NWK	TUTTLE CREEK LAKE, KS - DAM SAFETY ASSURANCE	90%	100%	A total of 0.5 acre of bottomland hardwood forest was required to mitigate for this project.	Completed 0.5 acre of bottomland hardwood planting. Mitigation site was located on existing public land owned in fee title by Kansas Department of Wildlife and Parks (KDWP). Future management of the mitigation site is KDWP's responsibility.
NWD	NWO	BIG SIOUX RIVER, SIOUX FALLS, SD	50%	0%	Wetland mitigation tied to second phase of project, to be initiated: 9.7 acres	0 acres implemented
NWD	NWO	PERRY CREEK, SIOUX CITY, IA	0%	85%	Wildlife mitigation consisting of grassland and tree and shrub plantings all upland habitat: 46 acres	46 acres mitigation required; consisting of grassland, shrub and tree plantings: all completed, but 3 acres need to be relocated. Sponsor responsible for O&M
NWD	NWO	WESTERN SARPY COUNTY AND CLEAR CREEK	15%	20%	40 acres wet meadow mitigation, conservation measures chute, backwater, and sandbar habitat	Total mitigation of 40 acres of wet meadow; lands available and 2 acres conducted as a test plot. Project sponsor responsible for O&M.
NWD	NWP	COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT	95%	95%	Mitigation for loss of 172 acres of agricultural lands, 50 acres of riparian habitat and 16 acres of wetland habitat. Issues surrounding mitigation site acquisition have now been resolved and mitigation is underway: 352 acre mitigation	352 acres implemented as 90 acres of emergent wetland habitat, 167 riparian forested wetlands, and agriculture 95 acres. All lands acquired and only one additional grassland mowing needed to complete. Corps funds O&M, budgeted Note: this project also includes ecosystem restoration not included in this report.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
NWD	NWP	COLUMBIA RIVER FISH MITIGATION AVIAN PREDATION OFFSITE MITIGATION	75%	75%	Reduction in avian predation populations at the Mouth of the Columbia River by providing by relocating these birds to additional nesting habitat in other basins: approximately 10 acres needed	Construction of Tern islands (7acres) all upland and includes floating islands. Ongoing activity in cooperation with National Marine Fisheries Service and US Fish & Wildlife Service (USFWS) utilizing USFWS, Oregon Department of Fish and Wildlife, Corps and other cooperating groups lands.
NWD	NWS	HOWARD HANSON DAM, WA	35%	100%	upland forage areas, wetland and riparian habitat, in-stream habitat maintenance: approximately 39 acres	Complete, 12.6 acres riparian, 17.4 instream below project and 8.75 instream above project
POD	POA	FALSE PASS HARBOR, AK	100%	80%	Aquatic. Construct two 0.62-acre subtidal boulder fields, install 25 subtidal artificial reef balls, and leave a large breach in one breakwater. Monitor petroleum contamination prior to and for two years after harbor construction is complete. Monitor waterfowl abundance in the area prior to construction and for two years after construction. Monitor algae colonization on the breakwater for two years after construction.	Constructed mitigation features included two 0.62-acre subtidal boulder fields and installation of 25 subtidal artificial reef structures (reef balls) to provide fish habitat and a near shore breach on one breakwater to provide fish passage through the harbor. The first season of waterfowl monitoring is underway and the second year will follow in 2011. One year of algae monitoring is complete and the second will take place in summer 2010. The first year of petroleum monitoring will occur during summer in 2010. Only post-construction monitoring requirements remain incomplete. So far, constructed features appear to be to be ecologically successful.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
POD	POA	SEWARD HARBOR, AK	100%	100%	Aquatic. Place 36,000 cubic yards of dredged material to create shallow water habitat.	Constructed mitigation included placement of about 36,000 cubic yards of dredged material to create shallow water habitat adjacent to the harbor. Post-construction surveys indicated that approximately 37,000 cubic yards of additional material were in place following construction. Mitigation is complete and is expected to be ecologically successful.
SAD	SAJ	CEDAR HAMMOCK, WARES CREEK, FL	0%	50%	1 acre mangrove forest	Mitigation is underway - 0 acres completed.
SAD	SAJ	HERBERT HOOVER DIKE	25%	100%	Creation of 68.8 acres Palestrina wetlands.	Created 68.8 acres of Palestrina wetlands.
SAD	SAJ	RIO ANTON RUIZ	100%	10%	Rehabilitation of 4 acres Palestrina forest	Mitigation underway - 0 acres completed
SAD	SAJ	RIO FAJARDO, PR	70%	100%	Creation of 35 acres mangrove forest.	35-acres of mangrove wetlands created on-site.
SAD	SAJ	RIO GRANDE DE ARECIBO, PR (Phase 1)	32%	0%	Restoration 7.2 acres of mangrove forest required for next phase.	Future construction requires replacement of estuarine wetlands.
SAD	SAJ	RIO PUERTO NUEVO, PR	20%	0%	Creation of 28 acres mangrove forest	Mitigation in kind on site. Channel reach dredging must be complete prior to mitigation install.
SAD	SAJ	SAN JUAN HARBOR, PR	100%	0%	1.2 acres marine submerged aquatic vegetation	Awaiting sponsor approval on proposed mitigation site.
SAD	SAM	BAYOUS CASOTTE, MS	100%	100%	Creation of 24 acre site of emergent tidal marsh	A 24-acre site of emergent tidal marsh created south of the constructed disposal site.
SAD	SAS	BRUNSWICK HARBOR, GA	95%	84%	Restoration of 22.1 acres of wetlands	Constructed 18.6 acres of wetlands.
SAD	SAW	MANTEO (SHALLOWBAG) BAY, NC	65%	14%	Creation of 125 acres of aquatic habitat (oyster reef).	Created 18 acres implemented as oyster reef habitat.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
SAD	SAW	WILMINGTON HARBOR - 96 ACT	70%	4%	32 miles of riverine habitat; acquisition of 700 acres of riparian wetland habitat & 29 acres of estuarine primary nursery area; and 30.4 acres of marsh and intertidal habitat.	Riverine habitat has not been created; Non-Federal Sponsor currently in process to acquire approx. 700 acres of riparian wetlands; Construction of 30.4 acres of marsh and intertidal habitat (complete)
SPD	SPA	ACEQUIAS IRRIGATION SYSTEM, NM	41%	100%	40 acres of riparian restoration includes planting of native cottonwood and coyote willow trees	40 acres of riparian restoration
SPD	SPA	MIDDLE RIO GRANDE FLOOD PROTECTION, BERNALILLO TO BELEN, NM	17%	100%	81 acres of riparian restoration includes mitigation for removal of Tamarisk and Russian olive and planting of native coyote willow and cottonwood trees	81 acres of riparian restoration
SPD	SPK	AMERICAN RIVER WATERSHED, CA - COMMON FEATURES	85%	85%	Restoration of 13.4 acres of oak woodland and associated Valley Elderberry Longhorn Beetle habitat.	13.4 ac of oak woodland and associated Valley Elderberry Longhorn Beetle habitat has been planted.
SPD	SPK	AMERICAN RIVER WATERSHED, CA - FOLSOM BRIDGE PROJECT	100%	29%	Acquisition and planting of 58.5 acres of woodlands / wetlands (50 acres of oak woodland, 6 acres of riparian forest, and 2.5 acres of seasonal wetlands).	56 acres ( 50 acres of oak woodland and 6 acres of riparian forest) are under construction, and the 2.5 acre of seasonal wetlands were purchased from a mitigation bank.
SPD	SPK	AMERICAN RIVER WATERSHED, CA - FOLSOM DAM MODIFICATIONS	40%	40%	Acquisition and planting of 3.5 acres (1.4 acres of oak woodland, 1.9 acres of riparian forest, and 0.2 acres of chaparral).	The 1.4 acres of woodland has been planted.

**STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)**

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
SPD	SPK	GLEN COLUSA IRRIGATION DISTRICT FISH SCREEN, CA	100%	100%	Construct 28.3 acres of riverine and riparian habitats (5.3 acres of shaded riverine aquatic cover habitat and 23 acres of riparian habitat) to compensate for project habitat impacts.	28.3 acres of habitat mitigation has been constructed (5.3 acres of revetment at the project site was revegetated with riverine habitat and 23 acres of riparian floodplain terraces were planted near the project site). Mitigation performance monitoring is in progress. High river stages resulted in the loss of 1.4 acres of riverine cover due to
SPD	SPK	GUADALUPE RIVER, SAN JOSE, CA	99%	95%	The planting of 26.2 acres of wetland (21 acres of riparian habitat and 5.2 acres (23,267 linear feet) of shaded riverine aquatic habitat.	26.3 acres of wetland has been planted (21 acres riparian, and 5.34 acres [23,267 linear feet] shaded riverine aquatic habitat).
SPD	SPK	KAWEAH SPILLWAY ENLARGEMENT, CA	100%	95%	Planting of 40 acres of riparian habitat.	40 acres of fee-owned land at Lake Kaweah were planted in riparian habitat). Fire damage resulted in a 5% loss of habitat which is in the process of being remediated.
SPD	SPK	NAPA RIVER, CA	45%	85%	The replacement of 146 acres of riparian and wetland impacts (17.7 acres of Riparian Forest, 10.7 acres of Riparian Scrub Shrub, 11.1 acres of Woodland, 56.4 acres of Brackish Marsh, 45 acres of Seasonal Wetland, 2.5 acres of Tidal Mudflats, and 2.57 acres Shaded Riverine).	14.3 acres of wetlands and riparian habitat has been planted and 671 acres restored/improved (4.2 acres riparian forest planted; 0.4 acres riparian scrub shrub planted; 5.2 acres woodland planted; 4.0 acres brackish marsh planted and 255 acres restored; 118 acres season wetland restored; 298 acres of tidal mudflats restored, and 0.5 acres of shaded riverine habitat planted.)

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
SPD	SPK	SACRAMENTO RIVER BANK PROTECTION, CA - Phase 2	90%	83%	Phase 2 construction of this flood risk project started in 1976. Records prior to 2001 are not readily available. Since 2001, 13.3 acres (38,646 linear feet) of shaded riverine aquatic habitat mitigation has been required, with an anticipated total of about 17.2 acres (50,000 liner feet) total.	13.3 ac (38,645 linear feet) of shaded riverine aquatic habitat has been developed with shaded riverine aquatic plantings on project berms.
SPD	SPK	SOUTH SACRAMENTO COUNTY STREAMS	60%	100%	Replacement of 1.2 acres of Seasonal Wetlands.	1.2 Acres of seasonal wetlands (combined wetland creation, emergent marsh, and riparian scrub) purchased at a mitigation bank
SPD	SPL	NOGALES WASH, AZ	45%	25%	Replace 8.8 acres riparian habitat off site and 2. acres on site.	Approximately 3 ac has been restored.
SPD	SPL	RIO DE FLAG FLAGSTAFF, AZ	52%	0%	3.0 acres on site wetlands and riparian habitat creation, exotic weed removal.	None has been completed
SPD	SPL	SAN LUIS REY RIVER, CA	98%	40%	Restore 325 acres riparian habitat and preserve 115 acres riparian habitat and freshwater marsh.	Have preserved 115 acres including 25 acres freshwater marsh by not mowing, Need to acquire 45 acres to restore, and restore additional 280 acres, continue water quality monitoring on 7.2 miles, removing 300 sq ft. of boulders for fish passage, remove 100 acres invasive species, prepare Adaptive Habitat Management Plan for 600 acres.
SPD	SPL	SANTA ANA RIVER MAINSTEM, CA	85%	60%	Restore 92 acres salt marsh, 800 acres Riparian habitat, 11 acres perennial stream, Habitat Management Plan for 1100 acres floodplain.	Approximately 40 acres salt marsh has been restored, 400 acres Riparian habitat, 6 acres perennial stream, Habitat Management Plan for 1100 acres floodplain in progress
SPD	SPL	TUCSON DRAINAGE AREA, AZ	90%	62%	Restore 13.5 acres desert riparian habitat, replace 5.5 acres desert riparian habitat, and 0.5 acres upland habitat.	Approximately 7 acres has been restored and 3 acres has been replaced, 5.5 acres replacement of desert riparian habitat and 0.47 upland habitat.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
SPD	SPN	OAKLAND HARBOR -50' DEEPENING	99%	85%	764 acres species management area; 92 acres salt marsh restoration; ~800 acres riparian habitat restoration; 11 acres perennial stream restoration; cowbird trapping; Habitat Management Plan for 1100 acres of floodplain; wildlife corridor enhancements.	0 acres of habitat have been fully restored. 100% of the material has been placed in the Middle Harbor area. The material is currently settling. After the substrate has settled, the topography will be modified and native vegetation will be planted.
SPD	SPN	UPPER GUADALUPE RIVER, CA	2%	25%	Restoration of stream habitat and the riparian zone in six reaches of the Upper Guadalupe River. Restoration of the first reach includes 1.8 acres of riparian planting, which has been completed. Remaining mitigation acreage for the project includes 19.2 acres of riparian planting.	1.8 acres of riparian zone restoration plantings have been accomplished in the first reach to be constructed. Stream restoration areas in this reach have had construction activity (channel and floodplain reconfiguration) but no planting yet so are not complete. 0 acres of stream habitat and riparian zone restoration have been accomplished in the remainder of the project as these portions have had no construction yet. Mitigation work in these reaches will consist of riparian forest planting and aquatic habitat enhancement with channel modification and placement of large woody debris.
SWD	SWF	DALLAS FLOODWAY EXTENSION, TRINITY RIVER PROJECT, TX	40%	40%	Acquisition, planting, and management of 1,179 acres of additional project lands within the "Great Trinity Forest" to include 926 acres of bottomland hardwood and 253 acres of mixed grassland/forbland.	745 acres have been acquired and 120 acres have been managed/planted. Contract is under way to start planting construction on 625 acres. The remaining acreages are being negotiated by the sponsor for acquisition.

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
SWD	SWF	WACO LAKE, TX - POOL RAISE	80%	65%	Land acquisition of 1000 acres + Create 175 acre emergent wetland area + Bottomland hardwood plantings on 1325 acres of existing Wildlife Management and acquired lands = total Mitigation Land Area of 1500 acres.	1000 acres have been acquired; 175 acres of emergent wetland area complete; 30 acres of bottomland hardwood habitat restored.
SWD	SWG	BRAYS BAYOU, DOWNSTREAM ELEMENT, HOUSTON, TX	62%	75%	Construction of 27.9 acres of wetlands in Willow Waterhole Detention Basin in project area.	20 acres of wetlands at Willow Waterhole Detention Basin have been constructed.
SWD	SWG	NORTH PADRE ISLAND, PACKERY CHANNEL, TX	100%	60%	Mitigation requires construction of a breakwater to create sheltered habitat for growth of 16.2 acres of submerged aquatic vegetation at Shamrock Island, Corpus Christi Bay, Texas.	The breakwater is completed and approximately 10 acres of the 16.2 acre target of submerged aquatic vegetation has established at Shamrock Island.
SWD	SWL	MCKLELLAN-KERR ARKANSAS RIVER, 12-FOOT CHANNEL DEEPENING	3%	4%	130 acres of Bottomland Forest and 248 acres of Marsh restoration	15.1 acres implemented as: 5.2 bottomland forest; +9.9 marsh

## STATUS OF ALL PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION January 2010 (FY-10)

All Projects consistent with the requirements of Section 2036(b) of WRDA 2007

MSC	District	Project Name	Constr Complete	Mit Complete	Total Project Mitigation Requirement and Description	Description of Mitigation Accomplished to Date
SWD	SWT	CANTON LAKE, OK	14%	10%	Acquisition and restoration of 5.5 acres forested/scrub shrub/emergent wetlands; 20 acres native prairie/farmland; 85.5 acres bottomland forest	Pending 220-acre land purchase would preserve in perpetuity approximately 12 acres forested/scrub shrub/emergent wetlands; +100 acres bottomland forest; +8 acres open water; and +100 acres native prairie/farmland with isolated wet meadows. Once land purchase is complete, mitigation will be 80% complete. Remaining mitigation items after land purchase include the following: (a) installation of seepage collection system for wetlands below newly constructed berm, (b) seeding of newly constructed berm below embankment with native grasses and forbs, (c) installation of water wells to supply water to wetlands on west end of project, (d) construction of fish habitat structure in Canton Lake in front of new spillway.
SWD	SWT	RED RIVER BASIN CHLORIDE CONTROL, TX & OK	30%	100%	11,000 acres terrestrial and aquatic	Terrestrial mitigation completed through purchase of 11,000 acres; mitigation lands purchased; aquatic monitoring ongoing to support adaptive management actions; mitigation land protected in perpetuity

## FOOTNOTES

Percent Calculations: There are different methodologies utilized by Corps districts to calculate percent of mitigation complete. A number of projects the mitigation percent complete was calculated by number of acres completed divided by number of acres required. In some cases where acre numbers did not directly apply or were unknown, percent mitigation was determined by implementation (construction dollars spent) divided by what was required or scheduled.

Consultation Process: MSC Consultation pursuant to Section 2036(a)(4) of WRDA 2007 under development.

Endangered Species Act and Fish and Wildlife Coordination Act consultation consistent with all laws and regulations.

**1. The Upper Yazoo Project** - The projects within the Yazoo Basin that are currently being constructed are the Delta Headwater Projects that reduce flooding and sedimentation in Northwest Mississippi, the Upper Yazoo Projects that were authorized to improve headwater flooding in the Yazoo Basin, and the Big Sunflower River Maintenance Project that is designed to restore flow capacity of the Big Sunflower Project completed in the 1960's. The remaining projects within the Yazoo Basin currently not in construction are the Yazoo Basin Backwater Pumping Plant, Main Stem Construction, and Backwater Area Construction projects. Also, the Yazoo Basin Reformulation study currently has two portions. The Yazoo Basin Tributaries Reformulation Study is currently receiving funding for continued study. The second portion is the Yazoo Basin Backwater Reformulation which as of August 2008 the EPA sanctioned a 404c veto halting any further study efforts.

**2. Mississippi River and Tributaries Project** - Mississippi River Levees, Dike Construction and Revetment Operation/Construction are all ongoing construction within MVK, MVM, and MVN.

**3. St John's Bayou** - Environmental Defense and the National Wildlife Federation filed suit in Federal court challenging the NEPA compliance of the project. On 13 September 2007, the Judge of the US District Court for the District of Columbia granted the Plaintiff's motion for summary judgment against the US Army Corps of Engineers and the Secretary of the Army. The Order sets aside the RSEIS 2, the 2002 RSEIS, and the ROD. The Corps was directed to cease construction and remove any part of the project that had been built. The Department of Justice and Solicitor General decided not to appeal. The Corps will comply with the court's order to restore the site and will prepare additional NEPA documentation.

**4. Inner Harbor Navigation Canal (IHNC) Lock Replacement Project** - Construction of this project was underway when the project was enjoined by Federal District court in late 2006, pending the preparation of a supplemental EIS. The final supplemental EIS is expected to be released for 30-day agency review in April 2009.

**5. Morganza to the Gulf of Mexico Project** - Federal construction of the project has not commenced. A post-authorization change report is being prepared due to substantial escalation of project cost estimates since it was authorized. The non-Federal sponsor has initiated construction of project components. The amount of work-in-kind credit that will be allowed for the non-Federal sponsor's construction efforts will be determined when the project is re-authorized.

#### **ACRONYMS**

LRD GREAT LAKES AND RIVERS DIVISION  
LRC CHICAGO DISTRICT  
LRH HUNTINGTON DISTRICT  
LRL LOUISVILLE DISTRICT  
LRP PITTSBURGH DISTRICT  
MVD MISSISSIPPI VALLEY DIVISION  
MVK VICKSBURG DISTRICT  
MVM MEMPHIS DISTRICT  
MVN NEW ORLEANS DISTRICT  
MVP ST PAUL DISTRICT  
MVR ROCK ISLAND DISTRICT  
MVS ST LOUIS DISTRICT  
NAD NORTH ATLANTIC DIVISION  
NAN NEW YORK DISTRICT  
NWD NORTHWESTERN DIVISION  
NWK KANSAS CITY DISTRICT  
NWO OMAHA DISTRICT  
NWP PORTLAND DISTRICT  
NWS SEATTLE DISTRICT  
POD PACIFIC OCEAN DIVISION  
POA ALASKA DISTRICT  
SAD SOUTH ATLANTIC DIVISION  
SAJ JACKSONVILLE DISTRICT  
SAM MOBILE DISTRICT  
SAS SAVANNAH DISTRICT  
SAW WILMINGTON DISTRICT  
SPD SOUTH PACIFIC DIVISION  
SPA ALBUQUERQUE DISTRICT  
SPK SACRAMENTO DISTRICT  
SPL LOS ANGELES DISTRICT  
SPN SAN FRANCISCO DISTRICT

SWD SOUTHWESTERN DIVISION  
SWF FT WORTH DISTRICT  
SWG GALVESTON DISTRICT  
SWL LITTLE ROCK DISTRICT  
SWT TULSA DISTRICT

ESA - Endangered Species Act

FWCA - Fish and Wildlife Coordination Act