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

FEB 13 2012

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

Dear Chairman Boxer:

As required by Section 2036(b) of the Water Resources Development Act of 2007, I am submitting the fourth annual Status Report on Construction Projects Requiring Mitigation. This report reflects the status of compensatory mitigation work associated with U.S. Army Corps of Engineers Civil Works projects as of the end of Fiscal Year (FY) 2011.

Table 1 includes all projects/programs currently under construction by the Corps as indicated by funding in FY 2011. Table 2 lists the status of projects that require compensatory mitigation, as well as an estimate of the percentage of the construction and the mitigation that have been completed. Table 3 contains information on consultation on mitigation success with state and Federal resource agencies. In addition, the FY 2013 Budget Press Book accompanies this report and contains a complete list of all the Corps projects included in the FY 2013 President's budget. This information will be made available on the Corps Civil Works internet site concurrent with the release of the President's budget.

If you need additional information regarding the enclosed data, please contact Mr. Doug Lamont, my Deputy for Project Planning and Review at 202-761-0016. I am sending an identical letter to Senator Inhofe.

Very truly yours,

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

Enclosures

4 Enclosures

4th Annual Status Report w/

1. Table 1. USACE Projects Under Construction During Fiscal Year 2011
2. Table 2. Status of Projects with Incomplete Compensatory Mitigation
3. Table 3. Annual Consultation on Success of Mitigation
4. FY 2013 President's Budget for the Civil Works Program

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FEB 13 2012

Honorable James M. Inhofe
Ranking Member
Committee on Environment and Public Works
456 Dirksen Senate Office Building
Washington, D.C. 20510-6175

Dear Senator Inhofe:

As required by Section 2036(b) of the Water Resources Development Act of 2007, I am submitting the third annual Status Report on Construction Projects Requiring Mitigation. This report reflects the status of compensatory mitigation work associated with U.S. Army Corps of Engineers Civil Works projects as of the end of Fiscal Year (FY) 2011.

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Very truly yours,

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108 ARMY PENTAGON
WASHINGTON DC 20310-0108

FEB 13 2012

Honorable John L. Mica
Chairman
Committee on Transportation and Infrastructure
2165 Rayburn House Office Building
Washington, D.C. 20515

Dear Chairman Mica:

As required by Section 2036(b) of the Water Resources Development Act of 2007, I am submitting the fourth annual Status Report on Construction Projects Requiring Mitigation. This report reflects the status of compensatory mitigation work associated with U.S. Army Corps of Engineers Civil Works projects as of the end of Fiscal Year (FY) 2011.

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If you need additional information regarding the enclosed data, please contact Mr. Doug Lamont, my Deputy for Project Planning and Review at 202-761-0016. I am sending an identical letter to Representative Rahall.

Very truly yours,

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

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

FEB 13 2012

Honorable Nick J. Rahall, II
Ranking Member
Committee on Transportation and Infrastructure
2163 Rayburn House Office Building
Washington, D.C. 20515

Dear Representative Rahall:

As required by Section 2036(b) of the Water Resources Development Act of 2007, I am submitting the fourth annual Status Report on Construction Projects Requiring Mitigation. This report reflects the status of compensatory mitigation work associated with U.S. Army Corps of Engineers Civil Works projects as of the end of Fiscal Year (FY) 2011.

Table 1 includes all projects/programs currently under construction by the Corps as indicated by funding in FY 2011. Table 2 lists the status of projects that require compensatory mitigation, as well as an estimate of the percentage of the construction and the mitigation that have been completed. Table 3 contains information on consultation on mitigation success with state and Federal resource agencies. In addition, the FY 2013 Budget Press Book accompanies this report and contains a complete list of all the Corps projects included in the FY 2013 President's budget. This information will be made available on the Corps Civil Works internet site concurrent with the release of the President's budget.

If you need additional information regarding the enclosed data, please contact Mr. Doug Lamont, my Deputy for Project Planning and Review at 202-761-0016. I am sending an identical letter to Chairman Mica.

Very truly yours,

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

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4th Annual Status Report on U.S. Army Corps of Engineers Construction Projects Requiring Mitigation Under Section 906 of the Water Resources Development Act of 1986

as required by Section 2036(b)
Water Resources Development Act of 2007

February 2012

INTRODUCTION

This 4th Annual Status Report on U.S. Army Corps of Engineers Construction Projects Requiring Mitigation was prepared in response to Section 2036(b) of the Water Resources Development Act (WRDA) of 2007. Data for this report are presented in three tables and the FY 2013 Civil Works Budget press book. Based on the information in Table 2 on the percentages of mitigation completed and construction completed, mitigation and construction activities are generally progressing at about the same rate in accordance with Section 906 of WRDA 1986, as amended.

TABLE 1. - USACE Projects under Construction during Fiscal Year 2011 - Table 1 lists 285 projects and/or programs that were allotted funds in FY 2011 in the Construction Account or Mississippi River and Tributaries Construction Account. Programs such as the various environmental infrastructure authorities are represented by one line item.

TABLE 2. - Status of Projects with Incomplete Compensatory Mitigation - Table 2 outlines the status of the 83 projects with incomplete compensatory mitigation. Most projects from Table 1 are not listed in Table 2 because construction may not have started, the project may not require compensatory mitigation, or the mitigation may be complete. The numbers of acres listed under the column heading “Mitigation Total Acres of Land Acquired” are available to mitigate adverse project impacts and may include lands that are within existing Corps project boundaries or mitigation banks, lands made available by other agencies, or lands below mean low water in coastal areas.

Five projects that were reported last year on Table 2 have met the success criteria and are not included in this year’s report. The successful mitigation projects are two Dredged Material Management Plans (DMMPs), Bulls Island and LaGrange-Beardstown, IL and IN; Seward Harbor, AK; Guadalupe River, CA; and Houston-Galveston Navigation Channel, TX). The mitigation measures used to offset adverse impacts included: 1) for the LaGrange-Beardstown project the construction of three small shallow ponds essential for frog breeding in Illinois; 2) the purchase of 1.5 acres of mitigation credit a wetland bank to compensate for dredging impacts for the Bulls Island project; 3) the beneficial use of dredged material to create soft bottom habitat for shell fish and other invertebrates at Seward Harbor, AK; 4) extensive planting including 21 acres of woody riparian vegetation, over 23,000 linear feet of shaded riverbank habitat, and a 25,000 square foot gravel and cobble riverbed area for fish spawning in the Guadalupe River at San Jose, CA; and 5) in the Houston-Galveston vicinity, 172 acres of oyster habitat was provided as well as a treed area to be used as a colonial water bird rookery.

TABLE 3. – Annual Consultation on Success of Mitigation - Table 3 shows the results of the on-going ecological success consultations with federal and state resource agencies for 18 mitigation efforts. In order to initiate the success consultation, the compensatory mitigation construction features must at least in-part be accomplished, and data from the monitoring of the constructed mitigation feature must be available. Mitigation is

considered complete when the Division Engineer determines the mitigation is successful based on monitoring results and the results of the consultation with the appropriate agencies regarding mitigation success as required by Section 2036 (a)(4) of WRDA 2007. An evaluation of the ecological success to date is also provided.

A total of six projects are included in this report for which mitigation has been successfully completed. The projects are the DMMP for Pool 18 and the DMMP for Pool 19, IL; False Pass, AK; Tuttle Creek, KS; Wolf Creek Dam, TN and Bolivar Dam, OH. These last two projects are only included in Table 2 as mitigation was accomplished by purchasing credits from a mitigation bank and a state mitigation fund and did not require consultation.

Fiscal Year 2013 Civil Works Budget Press Book. The press book contains a listing of all projects for which the President requests funding for the next fiscal year.

Acronym	Division/District
LRD	GREAT LAKES AND OHIO RIVER DIVISION
LRB	BUFFALO
LRC	CHICAGO
LRE	DETROIT
LRH	HUNTINGTON
LRL	LOUISVILLE
LRN	NASHVILLE
LRP	PITTSBURGH
MVD	MISSISSIPPI VALLEY DIVISION
MVK	VICKSBURG
MVM	MEMPHIS
MVN	NEW ORLEANS
MVP	ST PAUL DISTRICT
MVR	ROCK ISLAND
MVS	ST LOUIS
NAD	NORTH ATLANTIC DIVISION
NAB	BALTIMORE
NAE	NEW ENGLAND
NAN	NEW YORK
NAO	NORFOLK
NAP	PHILADELPHIA
NWD	NORTHWESTERN DIVISION
NWK	KANSAS CITY
NWO	OMAHA
NWP	PORTLAND
NWS	SEATTLE
NWW	WALLA WALLA

Acronym	Division/District
POD	PACIFIC OCEAN DIVISION
POA	ALASKA
POH	HONOLULU
SAD	SOUTH ATLANTIC DIVISION
SAJ	JACKSONVILLE
SAM	MOBILE
SAS	SAVANNAH
SAW	WILMINGTON
SAC	CHARLESTON
SPD	SOUTH PACIFIC DIVISION
SPA	ALBUQUERQUE
SPK	SACRAMENTO
SPL	LOS ANGELES
SPN	SAN FRANCISCO
SWD	SOUTHWESTERN DIVISION
SWF	FT WORTH
SWG	GALVESTON
SWL	LITTLE ROCK
SWT	TULSA

Table 1. USACE PROJECTS UNDER CONSTRUCION DURING FISCAL YEAR 2011		
MSC	**DISTRICT**	**PROJECT (OR PROGRAM) NAME**
LRD	LRB	GREAT LAKES FISHERIES AND ECOSYSTEM RESTORATION, IL, IN, MN, OH & PA
LRD	LRB	NEW YORK STATE CANAL SYSTEM, NY
LRD	LRB	OHIO & NORTH DAKOTA ENVIRONMENTAL INFRASTRUCTURE, OH & ND (SECTION 594)
LRD	LRB	PRESQUE ISLE PENINSULA, PA (PERMANENT)
LRD	LRC	CALUMET REGION, IN
LRD	LRC	CHICAGO SANITARY AND SHIP CANAL DISPERSAL BARRIER, IL
LRD	LRC	DES PLAINES RIVER, IL
LRD	LRC	INDIANA HARBOR, CONFINED DISPOSAL FACILITY, IN
LRD	LRC	INDIANA SHORELINE EROSION, IN
LRD	LRC	LITTLE CALUMET RIVER, IN
LRD	LRC	MCCOOK AND THORNTON RESERVOIRS, IL
LRD	LRE	GREEN BAY HARBOR, WI
LRD	LRE	NORTHEASTERN MINNESOTA ENVIRONMENTAL INFRASTRUCTURE, MN
LRD	LRE	SAULT STE MARIE (REPLACEMENT LOCK), MI
LRD	LRH	BEACH CITY LAKE, OH SEEPAGE CORRECTION REHAB
LRD	LRH	BLUESTONE LAKE, WV
LRD	LRH	BOLIVAR DAM, OH SEEPAGE MAJOR REHAB
LRD	LRH	CENTRAL WEST VIRGINIA ENVIRONMENTAL INFRASTRUCTURE, WV (SECTION 571)
LRD	LRH	DOVER DAM, MUSKINGUM RIVER, OH (DAM SAFETY ASSURANCE)
LRD	LRH	GREENBRIER RIVER BASIN, WV
LRD	LRH	ISLAND CREEK BASIN IN AND AROUND LOGAN, WEST VIRGINIA
LRD	LRH	LEVISA AND TUG FORKS AND UPPER CUMBERLAND RIVER, VA, WV & KY
LRD	LRH	LOWER MUD RIVER, MILTON, WV
LRD	LRH	MARMET LOCK, KANAWHA RIVER, WV
LRD	LRH	MOHAWK DAM, OH SEEPAGE CORRECTION MAJOR REHAB
LRD	LRH	ROBERT C BYRD LOCKS AND DAM, OHIO RIVER, WV & OH
LRD	LRH	SOUTHERN AND EASTERN KENTUCKY ENVIRONMENTAL INFRASTRUCTURE, KY (SECTION 531)
LRD	LRH	SOUTHERN WEST VIRGINIA ENVIRONMENTAL INFRASTRUCTURE, WV (SECTION 340)
LRD	LRL	CECIL M HARDEN LAKE DAM, IN (MAJOR REHAB)
LRD	LRL	INDIANAPOLIS, WHITE RIVER (NORTH), IN
LRD	LRL	MARKLAND LOCKS AND DAM, KY & IN (REHAB)
LRD	LRL	MCALPINE LOCKS AND DAM, OHIO RIVER, KY & IN
LRD	LRL	OHIO RIVER GREENWAY PUBLIC ACCESS, IN
LRD	LRL	OHIO RIVERFRONT, CINCINNATI, OH
LRD	LRL	OLMSTED LOCKS AND DAM, OHIO RIVER, IL & KY
LRD	LRL	PATOKA, MAJOR REHAB REPORT, IN
LRD	LRN	CENTER HILL LAKE, TN
LRD	LRN	CHICKAMAUGA LOCK, TENNESSEE RIVER, TN
LRD	LRN	CUMBERLAND COUNTY WATER SUPPLY, TN
LRD	LRN	KENTUCKY LOCK AND DAM, TENNESSEE RIVER, KY
LRD	LRN	WOLF CREEK DAM, LAKE CUMBERLAND, KY
LRD	LRP	EAST BRANCH CLARION RIVER LAKE, PA

Table 1. USACE PROJECTS UNDER CONSTRUCION DURING FISCAL YEAR 2011		
MSC	**DISTRICT**	**PROJECT (OR PROGRAM) NAME**
LRD	LRP	EMSWORTH LOCKS AND DAM, OHIO RIVER, PA
LRD	LRP	THREE RIVERS WET WEATHER DEMO PROGRAM, PA
LRD	LRP	WEST VIRGINIA AND PENNSYLVANIA FLOOD CONTROL, PA & WV
MVD	MVD	CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO, & TN
MVD	MVM	CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO, & TN
MVD	MVM	CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO, & TN
MVD	MVK	J BENNETT JOHNSTON WATERWAY, LA
MVD	MVK	MISSISSIPPI ENVIRONMENTAL INFRASTRUCTURE, MS
MVD	MVK	MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO, & TN
MVD	MVK	RED RIVER BELOW DENISON DAM, LA, AR & TX
MVD	MVK	RED RIVER EMERGENCY BANK PROTECTION, AR & LA
MVD	MVK	YAZOO BASIN - DELTA HEADWATERS PROJECT, MS
MVD	MVK	YAZOO BASIN - REFORMULATION UNIT, MS
MVD	MVK	YAZOO BASIN, BIG SUNFLOWER RIVER, MS
MVD	MVK	YAZOO BASIN, MAIN STEM, MS
MVD	MVK	YAZOO BASIN, YAZOO BACKWATER AREA (Less Rocky Bayou), MS
MVD	MVM	BAYOU METO BASIN, AR
MVD	MVM	CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO, & TN
MVD	MVM	CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO, & TN
MVD	MVM	DESOTO COUNTY WASTEWATER TREATMENT, MS
MVD	MVM	GRAND PRAIRIE REGION, AR
MVD	MVM	MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO, & TN
MVD	MVM	ST FRANCIS BASIN, AR & MO
MVD	MVM	ST JOHNS BAYOU AND NEW MADRID FLOODWAY, MO
MVD	MVM	WEST TENNESSEE TRIBUTARIES, TN
MVD	MVN	ASCENSION PARISH ENVIRONMENTAL INFRASTRUCTURE
MVD	MVN	ATCHAFALAYA BASIN, FLOODWAY SYSTEM, LA
MVD	MVN	ATCHAFALAYA BASIN, LA
MVD	MVN	CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO, & TN
MVD	MVN	COMITE RIVER, LA
MVD	MVN	EAST BATON ROUGE PARISH ENVIRONMENTAL INFRASTRUCTURE, LA
MVD	MVN	EAST BATON ROUGE PARISH, LA
MVD	MVN	INNER HARBOR NAVIGATION CANAL LOCK, LA
MVD	MVN	LAROSE TO GOLDEN MEADOW, LA (HURRICANE PROTECTION)
MVD	MVN	LIVINGSTON PARISH ENVIRONMENTAL INFRASTRUCTURE
MVD	MVN	MISSISSIPPI DELTA REGION, LA
MVD	MVN	MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO, & TN
MVD	MVN	WEST BANK AND VICINITY, NEW ORLEANS, LA - HURRICANE PROTECTION PROJECT
MVD	MVP	BRECKENRIDGE, MN
MVD	MVP	GRAND FORKS, ND - EAST GRAND FORKS, MN
MVD	MVP	LOCK AND DAM 3, MISSISSIPPI RIVER, MN (MAJOR REHAB)
MVD	MVP	NORTHERN WISCONSIN ENVIRONMENTAL ASSISTANCE, WI
MVD	MVP	ORWELL LAKE, MN

Table 1. USACE PROJECTS UNDER CONSTRUCION DURING FISCAL YEAR 2011		
MSC	**DISTRICT**	**PROJECT (OR PROGRAM) NAME**
MVD	MVP	ROSEAU, MN
MVD	MVP	SHEYENNE RIVER, ND
MVD	MVP	UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI
MVD	MVR	DES MOINES AND RACCOON RIVERS, IA
MVD	MVR	DES MOINES RECREATION RIVER AND GREENBELT, IA
MVD	MVR	LOCK AND DAM 11, MISSISSIPPI RIVER, IA (MAJOR REHAB)
MVD	MVR	LOCK AND DAM 19, MISSISSIPPI RIVER, IA (MAJOR REHAB)
MVD	MVS	ALTON TO GALE ORGANIZED LEVEE DISTRICTS, IL & MO
MVD	MVS	BOIS BRULE DRAINAGE AND LEVEE DISTRICT, MISSOURI
MVD	MVS	CAPE GIRARDEAU (FLOODWALL), MO
MVD	MVS	CHAIN OF ROCKS CANAL, MISSISSIPPI RIVER, IL (DEF CORR)
MVD	MVS	CHESTERFIELD, MO
MVD	MVS	EAST ST LOUIS & VICINITY (INTERIOR FLOOD CONTROL), IL
MVD	MVS	EAST ST LOUIS, IL
MVD	MVS	LOCK AND DAM 24, MISSISSIPPI RIVER, IL & MO (MAJOR REHAB)
MVD	MVS	LOCK AND DAM 27, MISSISSIPPI RIVER, IL (MAJOR REHAB)
MVD	MVS	MADISON AND ST. CLAIR COUNTIES, IL
MVD	MVS	MELVIN PRICE LOCK AND DAM, IL & MO
MVD	MVS	MERAMEC RIVER BASIN, VALLEY PARK LEVEE, MO
MVD	MVS	MISS RIVER BTWN THE OHIO AND MO RIVERS (REG WORKS), MO & IL
MVD	MVS	NUTWOOD DRAINAGE AND LEVEE DISTRICT, IL
MVD	MVS	ST LOUIS FLOOD PROTECTION, MO
MVD	MVS	STE GENEVIEVE, MO
MVD	MVS	WOOD RIVER LEVEE, DEFICIENCY CORRECTION AND RECONSTRUCTION, IL
NAD	NAB	ASSATEAGUE, MD
NAD	NAB	CHESAPEAKE BAY ENV RESTORATION AND PROTECTION, MD, VA & PA
NAD	NAB	LACKAWANNA RIVER, SCRANTON, PA
NAD	NAB	NORTHEAST COUNTIES ENVIRONMENTAL INFRASTRUCTURE
NAD	NAB	POPLAR ISLAND, MD
NAD	NAB	SOUTH CENTRAL PA ENVIRONMENTAL IMPROVEMENT PROGRAM, PA
NAD	NAB	WASHINGTON, DC & VICINITY
NAD	NAB	WYOMING VALLEY, PA (LEVEE RAISING)
NAD	NAE	EDWARD MACDOWELL LAKE, NH
NAD	NAE	MUDDY RIVER, MA
NAD	NAN	ATLANTIC COAST OF NYC, ROCKAWAY INLET TO NORTON POINT, NY
NAD	NAN	BDOB ORCHARD BEACH, BRONX NY
NAD	NAN	BURLINGTON HARBOR BREAKWATER, VT
NAD	NAN	EAST ROCKAWAY INLET TO ROCKAWAY INLET AND JAMAICA BAY, NY
NAD	NAN	FIRE ISLAND INLET TO MONTAUK POINT, NY
NAD	NAN	HACKENSACK MEADOWLANDS,NJ
NAD	NAN	JOSEPH G MINISH HISTORIC WATERFRONT PARK,NJ
NAD	NAN	LAKE CHAMPLAIN WATERSHED INITIATE,VT
NAD	NAN	LONG BEACH ISLAND, NY

Table 1. USACE PROJECTS UNDER CONSTRUCION DURING FISCAL YEAR 2011		
MSC	**DISTRICT**	**PROJECT (OR PROGRAM) NAME**
NAD	NAN	NEW YORK AND NEW JERSEY HARBOR, NY & NJ
NAD	NAN	NEW YORK CITY WATERSHED, NY
NAD	NAN	PASSAIC RIVER BASIN FLOOD MANAGEMENT,NJ
NAD	NAN	RAMAPO AND MAHWAH RIVERS, MAHWAH, NJ AND SUFFERN, NY
NAD	NAN	RARITAN BAY AND SANDY HOOK BAY, NJ
NAD	NAN	RARITAN RIVER BASIN, GREEN BROOK SUB-BASIN, NJ
NAD	NAN	SANDY HOOK TO BARNEGAT INLET, NJ
NAD	NAO	AIWW, BRIDGES AT DEEP CREEK, VA
NAD	NAO	CHESAPEAKE BAY OYSTER RECOVERY, MD & VA
NAD	NAO	JAMES RIVER CHANNEL, VA
NAD	NAO	NORFOLK HARBOR AND CHANNELS, CRANEY ISLAND, VA
NAD	NAO	NORFOLK HARBOR AND CHANNELS, VA (DEEPENING)
NAD	NAO	RICHMOND, VA (COMBINED SEWER OVERFLOW)
NAD	NAO	VIRGINIA BEACH, VA (HURRICANE PROTECTION)
NAD	NAP	BARNEGAT INLET TO LITTLE EGG HARBOR INLET, NJ
NAD	NAP	BRIGANTINE INLET TO GREAT EGG INLET (ABSECON ISLAND), NJ
NAD	NAP	BRIGANTINE INLET TO GREAT EGG INLET, BRIGANTINE ISLAND, NJ
NAD	NAP	CAPE MAY INLET TO LOWER TOWNSHIP, NJ
NAD	NAP	DELAWARE BAY COASTLINE, ROOSEVELT INLET TO LEWES BEACH, DE
NAD	NAP	DELAWARE COAST PROTECTION, DE
NAD	NAP	DELAWARE COAST, BETHANY BEACH TO SOUTH BETHANY BEACH
NAD	NAP	DELAWARE COAST, REHOBOTH BEACH TO DEWEY BEACH, DE
NAD	NAP	DELAWARE RIVER MAIN CHANNEL, NJ, PA & DE
NAD	NAP	GREAT EGG HARBOR INLET AND PECK BEACH, NJ
NAD	NAP	GREAT EGG HARBOR INLET TO TOWNSEND INLET, NJ
NAD	NAP	LOWER CAPE MAY MEADOWS, CAPE MAY POINT, NJ
NAD	NAP	SOUTHEASTERN PENNSYLVANIA, PA
NAD	NAP	TOWNSENDS INLET TO CAPE MAY INLET, NJ
NWD	NWK	BLUE RIVER BASIN, KANSAS CITY, MO
NWD	NWK	BLUE RIVER CHANNEL, KANSAS CITY, MO
NWD	NWK	KANSAS CITYS, MO & KS
NWD	NWK	MISSOURI & MIDDLE MISSISSIPPI RIVERS ENHANCEMENT, MO
NWD	NWK	MISSOURI R FISH AND WILDLIFE RECOVERY, IA, KS, MO, MT, NE, ND & SD
NWD	NWK	MISSOURI RIVER LEVEE SYSTEM, IA, NE, KS & MO
NWD	NWK	SWOPE PARK INDUSTRIAL AREA, KANSAS CITY, MO
NWD	NWK	TURKEY CREEK BASIN, KS & MO
NWD	NWO	ANTELOPE CREEK, NE
NWD	NWO	BIG SIOUX RIVER, SIOUX FALLS, SD
NWD	NWO	FT PECK DAM AND LAKE, MT
NWD	NWO	GARRISON DAM, LAKE SAKAKAWEA, ND
NWD	NWO	MISSOURI RIVER RESTORATION, ND
NWD	NWO	NORTH DAKOTA INFRASTRUCTURE, ND
NWD	NWO	RURAL MONTANA, MT

Table 1. USACE PROJECTS UNDER CONSTRUCION DURING FISCAL YEAR 2011		
MSC	**DISTRICT**	**PROJECT (OR PROGRAM) NAME**
NWD	NWP	COLUMBIA RIVER FISH MITIGATION, WA, OR & ID
NWD	NWP	COLUMBIA RIVER TREATY FISHING ACCESS SITES, OR & WA
NWD	NWP	ELK CREEK LAKE, OR
NWD	NWP	JOHN DAY LOCK AND DAM, OR & WA
NWD	NWP	LOWER COLUMBIA RIVER ECOSYSTEM RESTORATION, OR & WA
NWD	NWP	MOUNT SAINT HELENS SEDIMENT CONTROL, WA
NWD	NWP	WIILLAMETTE RIVER TEMPERATURE CONTROL, OR
NWD	NWS	CHIEF JOSEPH DAM GAS ABATEMENT, WA
NWD	NWS	DUWAMISH AND GREEN RIVER BASIN, WA
NWD	NWS	HOWARD HANSON DAM, WA
NWD	NWS	PUGET SOUND AND ADJACENT WATERS RESTORATION, WA
NWD	NWS	RURAL IDAHO, ID
NWD	NWS	RURAL MONTANA, MT
NWD	NWS	SHOALWATER BAY, WA
NWD	NWW	LITTLE WOOD RIVER, ID
NWD	NWW	LOWER SNAKE RIVER FISH & WILDLIFE COMPENSATION, WA, OR & ID
NWD	NWW	RURAL IDAHO, ID
POD	POA	AKUTAN HARBOR, AK
POD	POA	ALASKA COASTAL EROSION, AK
POD	POA	CHENA RIVER LAKES, AK
POD	POA	SITKA HARBOR, AK
POD	POA	ST PAUL HARBOR, AK
POD	POA	UNALASKA HARBOR, AK
POD	POH	HAWAII WATER MANAGEMENT, HI
POD	POH	IAO STREAM FLOOD CONTROL, MAUI, HI
SAD	SAJ	BREVARD COUNTY, CANAVERAL HARBOR, FL
SAD	SAJ	CEDAR HAMMOCK, WARES CREEK, FL
SAD	SAJ	CENTRAL & SOUTHERN FLORIDA, FL
SAD	SAJ	DADE COUNTY, FL
SAD	SAJ	DUVAL COUNTY, FL
SAD	SAJ	FLORIDA KEYS WATER QUALITY IMPROVEMENTS, FL
SAD	SAJ	FORT PIERCE BEACH, FL
SAD	SAJ	JACKSONVILLE HARBOR, FL
SAD	SAJ	KISSIMMEE RIVER, FL
SAD	SAJ	LEE COUNTY, FL (REIMBURSABLE)
SAD	SAJ	MANATEE COUNTY, FL
SAD	SAJ	MANATEE HARBOR, FL
SAD	SAJ	MARTIN COUNTY, FL
SAD	SAJ	NASSAU COUNTY, FL
SAD	SAJ	PALM BEACH COUNTY, FL
SAD	SAJ	PINELLAS COUNTY, FL
SAD	SAJ	PONCE DE LEON INLET, FL
SAD	SAJ	PORTUGUES AND BUCANA RIVERS, PR

Table 1. USACE PROJECTS UNDER CONSTRUCION DURING FISCAL YEAR 2011		
MSC	**DISTRICT**	**PROJECT (OR PROGRAM) NAME**
SAD	SAJ	RIO PUERTO NUEVO, PR
SAD	SAJ	ST JOHN'S COUNTY, FL
SAD	SAJ	TAMPA HARBOR, FL
SAD	SAM	PANAMA CITY BEACHES, FL
SAD	SAM	TENNESSEE - TOMBIGBEE WATERWAY, AL & MS
SAD	SAS	HARTWELL LK,CLEMSON UPPER & LOWER DIVERSION, SC (DAM SAFETY)
SAD	SAS	RICHARD B RUSSELL DAM AND LAKE, GA & SC
SAD	SAS	SAVANNAH HARBOR DISPOSAL AREAS, GA & SC
SAD	SAS	SAVANNAH HARBOR EXPANSION, GA
SAD	SAW	BRUNSWICK COUNTY BEACHES, NC
SAD	SAW	CAROLINA BEACH AND VICINITY, NC
SAD	SAW	JOHN H KERR LAKE, VA & NC
SAD	SAW	ROANOKE RIVER UPPER BASIN, HEADWATERS AREA, VA
SAD	SAW	WEST ONSLOW BEACH AND NEW RIVER INLET, NC
SAD	SAW	WILMINGTON HARBOR, NC
SPD	SPA	ACEQUIAS IRRIGATION SYSTEM, NM
SPD	SPA	ALAMOGORDO, NM
SPD	SPA	CENTRAL NEW MEXICO, NM
SPD	SPA	MIDDLE RIO GRANDE FLOOD PROTECTION, BERNALILLO TO BELEN, NM
SPD	SPA	RIO GRANDE FLOODWAY, SAN ACACIA TO BOSQUE DEL APACHE, NM
SPD	SPA	SW VALLEY FLOOD DAMAGE REDUCTION, ALBUQUERQUE, NM
SPD	SPK	AMERICAN RIVER WATERSHED (COMMON FEATURES), CA
SPD	SPK	AMERICAN RIVER WATERSHED (FOLSOM DAM MODIFICATIONS), CA
SPD	SPK	AMERICAN RIVER WATERSHED (FOLSOM DAM RAISE), CA
SPD	SPK	CALFED LEVEE STABILITY PROGRAM, CA
SPD	SPK	FARMINGTON RECHARGE (SEC 502)
SPD	SPK	GUADALUPE RIVER, CA
SPD	SPK	KAWEAH RIVER, CA
SPD	SPK	MERCED COUNTY STREAMS, CA
SPD	SPK	MID-VALLEY AREA LEVEE RECONSTRUCTION, CA
SPD	SPK	NAPA RIVER, CA
SPD	SPK	SACRAMENTO RIVER BANK PROTECTION PROJECT, CA
SPD	SPK	SACRAMENTO RIVER, GLENN-COLUSA IRRIGATION DISTRICT, CA
SPD	SPK	SAN LORENZO RIVER, CA
SPD	SPK	SOUTH SACRAMENTO COUNTY STREAMS, CA
SPD	SPK	STOCKTON METROPOLITIAN FLOOD CONTROL REIMBURSEMENT, CA
SPD	SPK	YUBA RIVER BASIN, CA
SPD	SPL	CITY OF INGLEWOOD
SPD	SPL	HARBOR/SOUTH BAY WATER RECYCLING STUDY, LOS ANGELES, CA
SPD	SPL	LOS ANGELES HARBOR MAIN CHANNEL DEEPENING, CA
SPD	SPL	MURRIETA CREEK, CA
SPD	SPL	NOGALES WASH, AZ
SPD	SPL	RIO DE FLAG FLAGSTAFF, AZ

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SPD	SPL	SAN LUIS REY RIVER, CA
SPD	SPL	SANTA ANA RIVER MAINSTEM, CA
SPD	SPL	SEC. 595 RURAL NV
SPD	SPL	TRES RIOS, AZ
SPD	SPL	TUCSON DRAINAGE AREA, AZ
SPD	SPN	CONTRA COSTA CANAL, CA (SEC 219)
SPD	SPN	CORTE MADERA CREEK, CA
SPD	SPN	HAMILTON AIRFIELD WETLANDS RESTORATION, CA
SPD	SPN	LLAGAS CREEK, CA
SPD	SPN	NAPA RIVER, SALT MARSH RESTORATION, CA
SPD	SPN	OAKLAND HARBOR (50 FOOT PROJECT), CA
SPD	SPN	PETALUMA RIVER, CA
SPD	SPN	SACRAMENTO DEEPWATER SHIP CHANNEL, CA
SPD	SPN	SAN RAMON VALLEY RECYCLED WATER, CA
SPD	SPN	UPPER GUADALUPE RIVER, CA
SWD	SWF	CENTRAL CITY, FORT WORTH, UPPER TRINITY RIVER BASIN, TX
SWD	SWF	DALLAS FLOODWAY EXTENSION, TRINITY RIVER PROJECT, TX
SWD	SWF	GRAHAM, TX (BRAZOS RIVER BASIN)
SWD	SWF	SAN ANTONIO CHANNEL IMPROVEMENT PROJECT
SWD	SWG	BRAYS BAYOU, HOUSTON, TX
SWD	SWG	CLEAR CREEK, TX
SWD	SWG	CORPUS CHRISTI SHIP CHANNEL, TX
SWD	SWG	HOUSTON - GALVESTON NAVIGATION CHANNELS, TX
SWD	SWG	TEXAS CITY CHANNEL (50-FOOT PROJECT), TX
SWD	SWL	CLEARWATER LAKE, MO
SWD	SWT	CANTON LAKE, OK
SWD	SWT	RED RIVER BASIN CHLORIDE CONTROL, TX & OK (Elm Fork)
SWD	SWT	RED RIVER BASIN CHLORIDE CONTROL, TX & OK

Table 2. STATUS OF PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION

9 February 2012

Division	District	Project Name	Percent Mit Physically Complete	Percent Project Physically Complete	Mit Total Acres of Land Required	Mit Total Acres of Land Acquired	Mitigation Requirements	Mitigation Accomplishments to Date	Estimated Date of Success
LRD	LRC	Little Calumet River, IN	27	80	435.1	435.1	A total of 435 acres are required to meet the compensatory mitigation requirement for the Little Calumet River project. Mitigation includes establishing functional bottomland hardwood forests and emergent wetlands offsite.	To date, all of the required land has been acquired. Restored: 3 acres of wet prairie, 42 acres of mesic/wet mesic prairie and 44 acres of wet oak savanna. Nothing was done regarding this project during the past year (2011)because of disagreements with the local sponsor over their failure to honor their commitments.	2016
LRD	LRH	Bolivar Dam, OH Dam Safety	100	0	0	0	Mitigation requirements include the purchase of 2.8 credits of forested category 3 preservation and 2.0 credits of category 2 forested wetland restoration at Ohio EPA approved mitigation banks.	The Huntington District purchased 2.8 credits of forested category 3 preservation at the Ohio EPA approved Wilderness Center, Inc. mitigation bank. The Huntington District purchased 2.0 acres of category forested restoration credit at the Ohio EPA approved Shannon Valley mitigation bank.	2011 Mitigation completed
LRD	LRH	Dover Dam, OH, Dam Safety Assurance	0	15	0.9	0	Preservation of 0.90 acres of wetland, stream, and buffer area downstream of the dam.	No progress to date.	2012
LRD	LRH	Marmet Lock Replacement, WV (Kanawha River Navigation Study - Marmet Lock Replacement)	100	100	98.7	98.7	A total of 53.4 acres were required for mitigation of impacts to terrestrial natural resources. Terrestrial mitigation activities included restoration of riverine riparian, hardwood forest, bottomland hardwood/riparian habitats and wetlands. A total of 45.3 acres were required for mitigation for impacts resulting to aquatic habitat. Aquatic mitigation activities for adverse impacts included construction of in-stream (Kanawha River) stone and timber dikes, rubble placement, and root wads for habitat improvement.	Created 5.3 acres of riverine riparian habitat (3.2 acres of wetland and a 1.2 acre embayment), planted 36 acres of upland hardwood forest, planted 4 acres of bottomland hardwood/riparian, and planted 18 acres of prairie grasses and mast seed. Aquatic habitat mitigation activities included the construction of in-stream stone and timber dikes, rubble placement, and root wads for habitat improvement. Mitigation for impacts to aquatic habitat comprised 45.3 acres and was completed in 2007.	2020
LRD	LRL	Cincinnati Metro Region, Duck Creek, OH	100	95	23	23	Riparian restoration (23 acres total) which includes reforestation (bottomland hardwood tree plantings) and placement of wood duck and squirrel nesting boxes.	All 23 acres of plantings completed enhancing wildlife habitat within riparian environment.	2015
LRD	LRL	Indianapolis, White River, IN	0	0	29	0	Riparian Restoration of 29 acres hardwoods reforestation and wetlands restoration and/or creation.	No accomplishments to date. Local sponsor looking for sites.	2018

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LRD	LRL	Olmsted Lock and Dam, KY	100	60	3463	3463	Purchase of mitigation lands, increased water management capability on Ballard Wildlife Management Area (WMA), KY, monitoring of bald eagles and waterfowl populations, monitoring of freshwater mussel populations, support of development of restoration and propagation methodologies for mussels, and restoration of former clay mine site that serves as large part of construction site.	Acquired bottomland hardwoods, wetlands and agricultural lands for wildlife management, constructed water supply system providing wetland management capabilities on Ballard Wildlife Management Area - State Lands, KY, and provide Kentucky Department of Fish and Wildlife Resources funding to monitor and construct or repair managed wetlands.	2023
LRD	LRN	Wolf Creek Dam Safety, KY	100	65	0	0	Mitigation requirements include contributions to the Kentucky Wetland and Stream Mitigation Program administered by the Kentucky Department of Fish and Wildlife Resources. Impacts include unavoidable effects to an estimated 2,512 linear feet of perennial and intermittent streams and an estimated .57 acres of forested wetlands.	The Nashville District purchased 2,512 stream adjusted mitigation units (AMU's) and 1.14 wetland AMU's from the Kentucky Wetland and Stream Mitigation Fund.	2011 (a)
MVD	MVK	Upper Yazoo Projects, MS	74.6	70	16250	12402.9	Purchase 16,250 acres of bottomland hardwood habitat, either cleared or agriculture land, for reforestation and management.	12,402.94 acres of cleared frequently flooded agricultural lands has been purchased and 10,327.94 acres has been reforested to date. 1,503 acres is in moist soil management and 272 acres are scheduled to be reforested in 2013.3847 acres remain to be purchased.	2025
MVD	MVK	J Bennett Johnston Waterway, LA	50	88	14000	8172.9	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.	8172.94 acres have been purchased to date, effort is ongoing to acquire land from willing sellers. 5827.06 acres remaining.	2025
MVD	MVK	Mississippi River Levees-Const, AR, IL, KY, LA, MS, MO & TN	98	85	5200	5094.7	The Vicksburg District was required to reforest 5,200 acres of bottom land hardwoods.	Reforested approximately 5094 acres of bottom land hardwoods of the required 5200 acres. Remaining acres of mitigation will be purchased concurrently with future construction. To date mitigation is ahead of construction.	2025
MVD	MVM	Bayou Meto Basin, AR	0	0	4093	100	Purchase 4,093 acres of prior converted farmland. Restore hydrology and plant bottomland hardwood forest.	In 2011, no construction occurred. Coordination is on-going with federal and state agencies to develop a mitigation plan for the tract. 100 acres has been purchased but site restoration has not been initiated.	2021

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MVD	MVM	MS River Levees Construction, AR, IL, KY, LA, MS, MO & TN	16.7	39	1011	169	Acquire a total of 1,011 acres of farmland, restore hydrology, and plant bottomland hardwood forest.	Site restoration has not been initiated. Coordination is ongoing with U.S. Fish and Wildlife Service, Arkansas Game and Fish Commission, and Arkansas Department of Environmental Quality, and Natural Resources Conservation Service; the mitigation plan for the site was finalized in 2011. Land, in the amount of 169 acres, has been purchased, but site restoration has not been initiated. MVK's contractor was funded in 2011 to restore the acreage, which will begin in January 2012.	2025
MVD	MVM	St Francis Basin Construction, AR & MO	98	89	13500	13310	Acquire and manage 13,500 acres of bottomland hardwood forest habitat.	13,310 wetland acres have been purchased of the 13,500 required. To date 12,647 acres have been purchased in Arkansas and 663 acres have been purchased in Missouri. Still seeking willing sellers for the remaining 248 acres in Missouri. The lands are being managed by the State of Arkansas and the State of Missouri as bottomland hardwood forest.	2020
MVD	MVM	St. Johns Bayou and New Madrid Floodway, MO	18	7	8800	1600	The existing NEPA record was set aside by the Federal District Court for the District of Columbia. The overall amount of required mitigation is being revised in a new NEPA document.	Approximately 1,600 acres of bottomland hardwood habitat has already been purchased to satisfy mitigation requirements; however, mitigation efforts are on hold now due to litigation.	2020
MVD	MVM	West Tennessee Tributaries, TN	41	41	32000	13527	The Court ordered 32,000 acres of mitigation for the total project. 41% of the project was constructed prior to shutdown for reevaluation. 41% of the mitigation has been purchased. No further mitigation is required unless the reevaluation leads to further construction.	Approximately 13,527 of 32,000 acres have been purchased to date. These acres have been handed over to the State of Tennessee for management.	2026
MVD	MVN	Comite River Basin, LA	0	18	1703	74	Acquire, reforest and manage 1,703 acres of cleared agriculture and other suitable land for bottomland hardwood habitat, plus reforest 144 acres of project disposal lands (inside of construction ROW).	Mitigation effort is just beginning concurrent with construction, efforts beginning with willing land sellers.	2016
MVD	MVN	East Baton Rouge Parish LA (Amite River and Tributaries, Louisiana, East Baton Rouge Parish Watershed Flood Control Projects)	0	11	397	0	1)Habitat Mitigation: Replace in-kind 100% of the bottomland hardwood losses for each watershed--Acquire, reforest and manage 397 acres of cleared land (agriculture or other suitable type)for bottomland hardwood habitat; 2) Return lost vegetative cover along 29.55 linear miles of impacted stream banks in Blackwater Bayou, Beaver Bayou, Bayou Fountain, Ward Creek, and Jones Creek.	Mitigation effort (e.g., mitigation surveys, site investigations/visits, etc.) is ongoing to acquire targeted land from willing sellers. No land acquired to date.	2018

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MVD	MVN	Inner Harbor Navigation Canal Lock, LA	0	1	85	0	Acquire, revegetate and manage 85 acres of currently submerged land and shallow brackish water through beneficial use of dredged material, plantings, and management.	The mitigation plan was approved in 2009 through signing of the Record of Decision for the supplemental EIS. In 2011, before any mitigation efforts were begun, a Federal court determined that the supplemental EIS was inadequate. Project construction and mitigation is on hold until another supplemental EIS is prepared.	
MVD	MVN	Lake Pontchartrain 30000- Jefferson, LA	100	100	10	10	Construct breakwaters to protect wetlands and dredged material deposition to restore wetlands - 1,100 average annual acres total preserved/restored. Modification of these breakwaters are being designed to be continuous rather than segmented. Also dredged material will be place behind the breakwater as a wetland platform.	This is in support of the existing hurricane levees and mitigation, breakwater construction and wetland creation has been completed. Modification of the breakwater is being designed. No new construction occurred in 2011.	2014
MVD	MVN	Larose to Golden Meadow, LA (1985 Mitigation)	100	95	4598	4598	The required and authorized mitigation for the Larose to Golden Meadow 1985 Hurricane Protection Project calls for construction of a levee and water-control structure along the eastern boundary of the mitigation site; herein referred to as the Pointe-au-Chien WMA Mitigation Site. These features will serve to enhance the functional values of wetlands in the mitigation site.	The primary component of the 1985 Mitigation plan involved construction of a 7-mile long levee and 3 water control structures (weirs). These features were the backbone of a regional water management system intended to enhance existing degraded wetlands within the mitigation site proper. This site encompassed 4,598 acres in the publicly owned Pointe-au-Chien Wildlife Management Area.	2013
MVD	MVN	Mississippi River Levees Construction	83	83	24.8	20	New Orleans District was required to mitigate for 24 acres of bottomland hardwood.	Reforested 20 acres of bottomland hardwood of the required 24 acres.	2016
MVD	MVN	West Bank and Vicinity, New Orleans, LA	31	100	1828.7	562	Partial mitigation has occurred for Swamp, Bottom Land Hardwoods (BLH), and marsh of approximately 562.5 acres (351 Average Annual Habitat Unit (AAHUs)) of marsh. Total impacts associated with previously authorized WBV mitigation plans that have not been implemented are 724 impact acres (or 408.23 AAHUs) of BLH and Swamp.	Partial mitigation has occurred for Swamp, bottomland hardwood, and marsh of approximately 562.5 acres (351 Average Annual Habitat Units) of marsh. no monitoring was required for this work. The remaining impacts are being covered in "Supplemental Environmental Assessment # 498 West Bank and Vicinity Hurricane Protection Project Implementation of Previously Authorized Mitigation Plans St. Charles and Jefferson Parishes, Louisiana". Which is in the process of being reviewed by the public and resource agencies.	2014

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MVD	MVP	LD3, Mississippi River - Construction (Mississippi River: Lock and Dam 3 Navigation Safety and Embankments, Minnesota and Wisconsin)	80	66	314.3	561.9	Interagency coordination determined that given the limited opportunities to provide functional mitigation features for affected channel border aquatic habitat in a cost effective manner, resource agencies concurred that an acceptable mitigation approach is to focus primarily on bottomland hardwoods restoration combined with freshwater marsh features. Acquisition and development of 313 acres is required.	All required acres for mitigation have been purchased. 78 acres have been successfully revegetated to date. Initial monitoring of the Rush River North site has shown a greater than expected growth response for two growing seasons.	2022
MVD	MVR	Mississippi River Dredged Material Management Plan DMMP (Pool 13 Site Plan for the Sabula Reach (includes 4 dredge cuts)), IL	50	20	12	12	Replace 1.5 acres of wetlands lost to dredged material placement at Sites 1, 2, and 10. Lost wetland functions include sediment/shoreline stabilization through the presence of thick wetland vegetation, nutrient removal/retention; and, wildlife habitat. This goal would be met through the following objectives: develop roughly 12 acres of mid-river island habitat; use island design promoting wetland development adjacent to the islands – e.g., within the island "shadow"; establish a diverse, native, wetland plant community; and establish wetland hydrology.	6 of 12 acres completed (1 island)	2016
MVD	MVR	Mississippi River Dredged Material Management Plan (Pool 18-Keithsburg), IL	100	100	25.8	13.9	Both sites 1 and 13 contain approximately 10 acre of floodplain forest. They have many mature trees widely spaced and 70-80 feet in height. A few snag and cavity trees can also be found on the site. There is virtually no understory except for some widely scattered pole-sized trees at heights of 9-20 feet.	Mitigation for environmental impacts to Site 3 were addressed by developing a 13-acre wetland site adjacent to Huron Chute and upstream from Hawkeye-Dolbee Diversion Channel. Mitigation for environmental impacts to Site 13 were addressed by capping and revegetating the 11.3 acres of the placement site, creating ephemeral pools, and planting trees within the site.	2010 Mitigation completed
MVD	MVR	Mississippi River Dredged Material Management Plan (Pool 19 - Kemps-Craigles), IL	100	100	5.4	5.4	5.4 acres of farmed and prior converted wetland to revert to a floodplain forest wetland habitat.	5.4 acres of riparian wetland was purchased and then farming ceased, allowing the land to return to natural vegetation. 800 saplings were also planted to offset the loss 2.7 acres of approximately 50 mature trees. The high quantity of saplings will offset the wetland value of the mature trees.	2010 Mitigation completed
MVD	MVR	Des Moines & Raccoon Rivers, IA	95	95	20.8	20.8	6.4 acres of upland forest 0.4 acres of bottomland forest 2.8 acres of emergent wetland 1.2 acres of herbaceous upland buffer 2.7 acres of open water	Mitigation plan has been approved. Construction began in June 2011.	2017

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MVD	MVS	Chain of Rocks, IL	66	70	146.4	178.1	Mitigation will consist of the development of 146.4 acres of habitats, including 134.7 acres of wetlands (92.4 acres forested and 42.3 acres herbaceous) and 11.7 acres of nonwetland bottomland forest.	In 2000 a 14-acre wet prairie was constructed. In 2004 62 acres of forested wetlands and nonwetland forest were established. In 2008 a 97-acre tract was acquired for establishment of 4 acres of forested wetlands, 8 acres of herbaceous wetlands, and 77 acres of nonwetland forest, and protection of 8 acres of forested wetlands. In late 2010 - early 2011 site grading and vegetation plantings were accomplished on the 97-acre tract.	2022
MVD	MVS	Chesterfield, MO	95	20	91.3	95	The initial mitigation requirement for creation of 9.2 acres of emergent wetlands and 6.8 acres of forested wetlands changed to preservation of 73 acres of forested wetlands and restoration of 14 acres of cropland due to proximity to an airport. The plan also includes the creation of 4.3 acres of open water wetlands at a distance from the airport.	Construction completed for preservation of forested wetland; in 2006 95-acre tract acquired and conservation easement placed on property. In 2010 native grasses planted within this tract in 14-acre crop field to allow for reforestation through natural succession. In 2010 planning commenced for the establishment of 4.3 acres of open water wetlands at a site away from the airport; no implementation to date.	2018
MVD	MVS	St. Louis Flood Protection, MO	0	10	0.1	0	Compensate for loss of 0.1 acres of forested wetland by obtaining credits from a mitigation bank.	Suitable mitigation bank identified. No mitigation credits obtained to date.	2012
NAD	NAN	Green-Brook, NJ (Segment U)	40	60	300	120	During the 1997 SEIS agency consultation, CENAN proposed enhancing the habitat value for approximately 300 acres (to include forested wetland, emergent wetland, stream and forested upland) to compensate for the land affected by the project. CENAN has identified 39 potential mitigation sites within the basin, totaling 1,450 acres. Specific mitigation plans and the completion of permitting requirements will take place prior to construction. Project is being built in phases as it relates to being incrementally funded.	To date, 120 acres have been implemented consisting of riparian forest/streambank, upland and wetland forest, shrub/scrub and emergent wetlands and adjacent grasslands. Project team is gathering data on for next phase of mitigation sites.	2018
NAD	NAN	Minish Park, NJ (Joseph G. Minish Waterfront Park and Historic Area)	0	66.6	1.7	0	Mitigation required: 1.68 acres of mitigation.	0 acres implemented - will be deferred until after Superfund activities are completed.	2018

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NAD	NAN	NY & NJ Harbor (50') NY&NJ	100	89	80	80	The construction of approximately 57 acres of tidal wetlands over 4 sites (out of kind) within the NY/NJ Harbor estuary was required. Mitigation on lands owned by National Park Service, Towns of Woodbridge and Carteret, NJ and New York State.	To date, all sites have been constructed and monitoring has shown that the sites are functioning as designed. Both State Regulatory Agencies have spoken positively on the coordination and construction of the multiple project sites.	2013
NWD	NWK	Blue River Basin, Kansas City, MO	0	45	0.5	0.5	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	Project is being designed and constructed in phases. Design is ongoing for remaining phases and mitigation will be done in sync with these remaining construction elements.	2015
NWD	NWK	Tuttle Creek, KS Dam Safety Assurance Project	100	99	0.5	0.5	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).	2009 Mitigation completed
NWD	NWO	Perry Creek, Sioux City, IA	100	80	46	46	Mitigation plantings included 33 acres of native grass species, and 13 acres of tree and shrub plantings.	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. Mitigation is not functioning properly primarily due to maintenance issues. Working with the Sponsor to correct the mowing problems.	2013

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NWD	NWO	Western Sarpy/Clear Creek, NE	83	74	278	278	40 acres wet meadow mitigation to offset immediate impact to 8.29 acres of wetlands and unknown predicted future impacts to wetlands. Consultation with the FWS under Section 7 of the Endangered Species Act, has resulted in the development of a number of means and measures to conserve the impacted threatened and endangered species. Briefly, the project modifications are a levee setback and associated construction of a new side channel, reconnection of a previously destroyed side channel, reconstruction of an aggraded side channel, clearing of two islands of woody vegetation, and notching of a levee/tire revetment to create three side channels and sandbars.	Total mitigation of 40 acres of wet meadow; a two acre wetland experiment was used to determine correct seeding rate, mulch cover and elevation of 40 acres of wetland mitigation. The mitigation wetlands were constructed at two locations within the project area. A 36 acre wetland, a 6 acre wetland, multiple chutes and backwaters and native grass restoration have been completed in 2011.	2019
NWD	NWP	Columbia River Channel Improvement-Navigation, OR & WA	99	99	388	388	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: 272 acres of mitigation at the following sites: Chumley, Webb, and Cottonwood.	Of the 388 total acres acquired for mitigation 70 acres of riparian forest planting is complete, 88.5 acres of emergent wetland habitat has been developed or enhanced and 96 acres of pasture management is accomplished yearly. Pasture lands are mowed annually through Corps funded O&M. The Cottonwood projects will be completed in 2011, in which all projects will then be managed under the Corps O&M program.	2013

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NWD	NWS	Howard Hanson Dam, WA (Additional Water Storage Project (Phase 1 only))	100	85	298.5	368.7	Mitigation consists of: 1. instream habitat restoration through culvert replacement engineered logjams and side channels. 2. riparian planting, thinning, protection and conservation. management of forest, pasture and emergent marsh. 3. creation of elk forage habitat.	Set aside and managed 238 acres riparian buffer/managed forest, 12.7 acres instream habitat plus 118 acres of elk pasture. All the areas are being monitored. The emergent elk pasture has not has not developed as planned and is being monitored to determine the conditions required for success. For the fish mitigation sites, preliminary monitoring has determined that on average the sites are performing as expected. The monitoring results for the forest mitigation sites has been inconclusive to date. Additional monitoring is being done to evaluate success.	2022
NWD	NWS	Shoalwater Bay Erosion, WA	0	0	0	0	Mitigation will be dependent upon the presence of Dungeness crab and snowy plover at the time of construction. Prior to construction, the impact areas will be surveyed for the presence of these species and mitigation will be formulated based on the survey results.	Mitigation will be adaptively managed based on survey results for Dungeness cab and snowy plover.	2035
POD	POA	False Pass Harbor, AK	100	100	1.2	1.2	Mitigate impacts for loss of shallow subtidal marine habitat by breaching breakwater and placing 25 reef balls and monitoring recolonization by benthic species; monitor project effects on waterfowl abundance, distribution, and exposure to petroleum.	Constructed mitigation features included two 0.62-acre subtidal boulder fields placed 25 subtidal artificial reef structures (reef balls) to provide fish habitat. Incorporated a near-shore breach in one breakwater for fish passage through the harbor. Two years of algae monitoring is complete. Bird abundance monitoring complete and successful. Monitoring took take place in summers of 2009 and 2010 and indicates success.	2011 Mitigation completed

Table 2. STATUS OF PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION

9 February 2012

Division	District	Project Name	Percent Mit Physically Complete	Percent Project Physically Complete	Mit Total Acres of Land Required	Mit Total Acres of Land Acquired	Mitigation Requirements	Mitigation Accomplishments to Date	Estimated Date of Success
POD	POA	Unalaska Harbor, AK	100	80	0.2	0.2	Compensatory in-kind mitigation is required to replace nearshore and intertidal habitat for sea otters, seals, waterfowl, and benthic communities by creating 30 rubble/boulder reef structures comprising approximately 0.2 acres in the intertidal and nearshore subtidal habitat lost during harbor construction. Monitoring is required to determine colonization by key marine organisms. Monitoring is also required to determine whether the project affects movement, abundance, or distribution of Steller's eiders or northern sea otters or is otherwise causing a taking of those species.	Constructed 30 reefs to provide in-kind habitat of rocky intertidal and subtidal habitat that favors use by sea ducks and marine organisms that use more open habitat. This in-kind offsite mitigation is 100% complete. There are no recommendations to improve features at this time.	2013
POD	POA	Akutan Harbor, AK	100	40	41.7	41.7	Prior to construction capture and relocate Dolly Varden in the stream to avoid construction impacts. Post construction, monitor salinity in the stream to ensure that the project has not caused a hydrologic imbalance in the watershed. Also	The capture of Dolly Varden in the stream within the influence of the harbor construction and release into streams beyond was successful. This was a one time request by the Alaska Fish and Game with no request to monitor. This action was	2014
SAD	SAJ	Cedar Hammock, Wares Creek, FL	50	5	2.5	2.5	Mitigation consists of restoring 2.53 acres of estuarine habitat at the Emerson Point Restoration Project by restoring tidal flow and removal of exotic plant species.	Mitigation construction is underway (site preparation only) - 0 acres mitigation completed. Will complete mitigation during/after project construction. Project construction contract awarded July 2011 and 5% executed.	2014
SAD	SAJ	Herbert Hoover Dike, FL (Reaches 2 and 3)	0	0	229.5	229.5	229.5 acres of disturbed wetlands would be restored by removal of exotic invasive plant species and establishment of native wetland species.	Mitigation not yet constructed.	2016
SAD	SAJ	Inland Water Way Jacksonville-Miami, FL (Construct Upland Disposal Sites IR-2 and SL-2)	100	65	7.2	7.2	(1) 5.95 acres of wetland mangrove and upper marsh creation from a former citrus grove by grading to establish hydrology and by planting. (2) perpetual conservation easement over an additional 1.23 acres of on-site wetlands.	(1) 5.95 acres of wetland mangrove and upper marsh created from a former citrus grove by grading to establish hydrology and by planting. (2) perpetual conservation easement over an additional 1.23 acres of on-site wetlands. (3) Monitoring ongoing.	2017
SAD	SAJ	Martin County, FL (4th Periodic Renourishment)	0	0	5	5	Creation of nearshore artificial reef with concrete rubble (original mitigation for direct impacts) and additional mitigation for indirect impacts with concrete rubble or other suitable material (Current SEIS/LRR: Indirect impacts identified by the post-construction monitoring would be mitigated by creation of artificial reef).	Mitigation for 4th renourishment not yet constructed. Final EIS/report being reviewed by SAD. Expect to have construction contract in FY12.	2016

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9 February 2012

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SAD	SAJ	Miami Harbor Channel, FL (113083 Miami Harbor GRR)	0	0	36.4	36.4	-Restoration of approximately 24 acres of seagrass beds. -the creation of artificial reef habitat: 6.2 acres for high relief hardbottom/reef habitat and 6.23 acres for low relief hardbottom/reef habitat.	Project and mitigation not yet started.	2017
SAD	SAJ	Rio De La Plata, PR (Northern Segment, Mameyal Community (Contract 1A))	0	19.52	85	85	Northern Segment, Mameyal Community (Contract 1A), Mitigation: create mangrove (21.3 acres), lagoon (10 acres), and herbaceous wetland habitat (53.7 acres).	Construction began in 2010. Design changes are being implemented but will not change mitigation requirement. Real Estate acquired to establish 21.3 acres of mangrove, 10 acres of lagoon, and 53.7 acres of herbaceous wetlands.	2014
SAD	SAJ	Rio Grande de Arecibo, PR	0	25	8	8	Restoration 7.2 acres of mangrove forest required for next phase. Restoration consists of clearing and grading, then planting with mangrove seedlings.	Contract 1 is constructed. Future construction requires replacement of estuarine wetlands. Mitigation will be part of contract 3 (not yet awarded).	2019
SAD	SAJ	Rio Puerto Nuevo, PR	37.98	17.1	32.9	32.9	Creation of 28 acres mangrove forest in project right-of-way plus 4.9 acres NE of improved channel.	4.9 acres of mangrove adjacent to project already constructed and established. Remaining 28 acres to be constructed towards end of contract for Magarita Channel (ARRA, currently under construction).	2015
SAD	SAJ	San Juan Harbor, PR	0	100	1.2	1.2	1.2 acres marine submerged aquatic vegetation established by raising and stabilizing bottom.	Mitigation not yet started.	2017

Table 2. STATUS OF PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION

9 February 2012

Division	District	Project Name	Percent Mit Physically Complete	Percent Project Physically Complete	Mit Total Acres of Land Required	Mit Total Acres of Land Acquired	Mitigation Requirements	Mitigation Accomplishments to Date	Estimated Date of Success
SAD	SAM	Tennessee - Tombigbee Waterway, AL & MS (Bevill Cross Current)	0	100	50	28	Compensatory mitigation for the proposed activity is required and the Corps will implement a three part plan addressing impacts to TTW Wildlife Mitigation lands, aquatic habitat, and bottomland hardwood wetlands along with a species specific management plan. The plan includes 1) preservation of 12 acres of predominantly bottomland hardwoods and wetlands of similar quality to those impacted, 2) control and removal	Mitigation implementation has not begun.	2022
SAD	SAS	Brunswick Harbor Deepening GA	50	100	38	19.1	The District is required to mitigate for impacts to 34.5 acres of essential fish habitat. This impact resulted from the creation of a beneficial use dredge material island (sometimes referred to as bird island) in St. Simon's Sound. The District is also committed to provide mitigation for impacts to 5.9 acres of salt marsh from the turning basin enlargement and 1 acre of salt marsh from future maintenance activities at Andrew's Island.	Maintain as salt marsh 17.6 acres and 1.0 acres of oyster flats at Andrew's I; Maintain 16.6 acres of intertidal sand flats at the bird island; Maintain 0.8 acres of intertidal rip-rap with oysters at the bird island; Maintain 1.0 acres of intertidal flats with oysters at the bird island; Maintain 0.7 acre of subtidal riprap at bird island.	2016
SAD	SAS	Richard B Russell Dam & Lake, GA & SC	90	95	0	0	The Savannah District and South Carolina Department of Natural Resources agreed for commercial operation of pumped storage at the Richard B. Russell (RBR) Dam and Powerhouse. The items included in the agreement were: Construction of an O2 system approximately 5.5 miles upstream of J. Strom Thurmond (JST) Dam and Lake; five years of environmental monitoring once full capacity 4-unit pumped storage is achieved; Corps limitation to utilization of only two pumped storage units during the months of June through September until the O2 system is complete.	FY2010 funds were to be used for Access Road Improvements to the Oxygen System Site at JST Dam and Lake, to continue the construction contract for fabrication and installation of the Aboveground O2 system components, and to award a design-build contract for the Underwater O2 system components. The Underwater Contract is scheduled for completion by the end of January 2012. A modification to the Aboveground Contract has been prepared to resolve pressure fluctuations during higher O2 flow levels and should be completed in April 2012.	2018

Table 2. STATUS OF PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION

9 February 2012

Division	District	Project Name	Percent Mit Physically Complete	Percent Project Physically Complete	Mit Total Acres of Land Required	Mit Total Acres of Land Acquired	Mitigation Requirements	Mitigation Accomplishments to Date	Estimated Date of Success
SAD	SAS	Savannah Harbor Disposal Areas, GA & SC	60	98	3.4	0	Restore 3.44 acres of salt marsh by excavating 5.1 acres of fill from areas that historically supported salt marsh. Allow the area to naturally revegetate, while monitoring for erosion and percent coverage. If erosion occurs, removing wetlands located between the mitigation site and the Savannah River, the Corps will deposit rocks to protect the Savannah River side of the mitigation site.	Annual visual inspections have occurred but have not yet been written up. The site appears to be naturally revegetating at a rate expected to achieve the 80% success criteria. A written report will be produced based on the results of a topographic survey before the July 2012 mitigation success deadline.	2013
SAD	SAW	Manteo (Shallowbag) Bay, NC	9.6	65	12	12	125 acres of aquatic habitat (oyster reef). This mitigation requirement is for project components actually constructed - not for project components deferred. To date, project components constructed include dredging of the aforementioned channels including Wanchese harbor with material disposal occurring on islands in the project vicinity. The Oregon Inlet jetties have not been constructed and so there are no mitigation requirements for this deferred project component.	12 of 125 acres of oyster reef habitat have been constructed thus far in association with completed project components; specifically associated with work in Wanchese Harbor and the disposal of dredged material on islands in the project vicinity (northern Dare County, NC). Additional consultation on mitigation plan will occur in FY 2012.	2020
SAD	SAW	Wilmington Harbor, NC - 96 Act	81.3	69	732.8	732.8	Island 13 - Restoration of 30.4 acres primary nursery (including 3.4 acres intertidal marsh) on Cape Fear River dredged material disposal island 13. Prevention of Degradation (POD) Lands - Acquisition of 700 acres riparian wetland habitat buffer on NE Cape Fear River, including river shoreline & two tributaries (Tony's and Lagoon Creeks), which serve to protect 29 acres estuarine primary nursery area. Fish passage at Lock and Dam #1 on the Cape Fear River - Construction of rock rapids on downstream face of dam to better facilitate anadromous fish passage upstream.	- Island 13: Restoration of 30.4 acres of marsh and intertidal habitat is complete and was determined successful in 2005 after 3 years of monitoring. - POD Lands: The entirety of the 700 required acres have been acquired (including 29 acres of estuarine primary nursery area) as of June 10, 2011. - Fish passage at Lock and Dam #1: Construction of rock rapids on downstream face of dam to better facilitate anadromous fish passage upstream began in August 2010 and will be completed by March of 2013. Construction is ~45% complete as of November 2011.	2014

Table 2. STATUS OF PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION

9 February 2012

Division	District	Project Name	Percent Mit Physically Complete	Percent Project Physically Complete	Mit Total Acres of Land Required	Mit Total Acres of Land Acquired	Mitigation Requirements	Mitigation Accomplishments to Date	Estimated Date of Success
SPD	SPA	SW Valley Albuquerque, NM (Riparian mitigation)	65	95	19.4	19.4	Mitigation is required for construction of the spillway channel to the Rio Grande as it necessitated the removal of approximately 60 mature cottonwood trees. Mitigation entails replacing each mature tree with 10 saplings at nearby locations.	400 of 600 cottonwood saplings have been planted, the remaining 200 will be planted before 2 April 2012.	2014
SPD	SPK	American River - Bridge, CA	75	100	64.2	64.2	Mitigation required included 50 acres of oak woodland habitat, 6 acres of riparian habitat, 2.5 acres of seasonal wetland and 14.2 acres of habitat for Federally listed Valley Elderberry Longhorn Beetle.	The Goethe site (14.2 acres of elderberry habitat) was planted in 2006, and the Rossmoor site (56 acres of oak woodland/riparian habitat) was planted in FY10. Mitigation bank credits for seasonal wetlands mitigation were purchased in 2008.	2017
SPD	SPK	American River - Common Features (American River Common Features), CA	100	100	25.6	25.6	The majority of impacts and associated mitigation for this project relate to the Federally listed valley elderberry longhorn beetle (VELB). Because they are host to this species, impacts to elderberry shrubs require mitigation under the ESA. Mitigation for this project has been accomplished, in most cases, on the consolidated sites referred to as the Goethe mitigation sites.	All mitigation sites have been established and are in the 10 year monitoring period. Some added funds will be needed to continue monitoring and for possible replanting. Conditions of the Biological Opinion have been partially met, and once monitoring is complete they will have been fully met. Combining multiple projects on one site resulted in a large cost savings to the government and local sponsors, because it is more cost effective to maintain and monitor a single location than multiple sites. We also worked with the county parks department to find sites that would benefit the parks and have easy access and on-site water, which reduced the cost of installation (no wells required).	2014
SPD	SPK	American River - Folsom Outlet Modifications (Joint Federal Project - Auxiliary Spillway), CA	90	10	16.8	16.8	Mitigation for the Joint Federal Project Flood Risk Management impacts include 1.8 acres riparian habitat, 0.21 acres chaparral habitat, and 1.38 acres oak woodland. Mitigation for the Folsom Dam Modifications Staging Area includes 7.73 acres of habitat for the Federally listed Valley Elderberry Longhorn Beetle (VELB), 6.77 acres oak woodland, and 0.53 acres chaparral habitat.	Initial maintenance at 11.5 is complete, and coordination with the FWS is underway to turn the site over to the non-federal sponsor. Valley Elderberry Longhorn Beetle (VELB) monitoring, however, will continue. Sailor Bar is also doing well, though some replanting and additional watering were needed last year. VELB monitoring is continuing. Initial surveys have indicated that the survival of the new plantings are high. Rossmoor Bar planting occurred in FY10 and early indications are that the site will be successful.	2017

Table 2. STATUS OF PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION 9 February 2012

Division	District	Project Name	Percent Mit Physically Complete	Percent Project Physically Complete	Mit Total Acres of Land Required	Mit Total Acres of Land Acquired	Mitigation Requirements	Mitigation Accomplishments to Date	Estimated Date of Success
SPD	SPK	Glenn Colusa Gradient Facility / RM208, CA	100	100	34.3	34.3	(1) Short-term degradation to riverine habitat restored through natural processes following construction; (2) compensatory mitigation for loss or degradation of Shaded Riverine Aquatic (SRA) cover, riparian and elderberry habitat (supporting Federally listed Valley Elderberry Longhorn Beetle) by installing 34.3 acres of offsite and onsite riverine and riparian habitats (5.3 acres of shaded riverine aquatic cover habitat and 29 acres of riparian/elderberry habitat); and (3) providing suitable site conditions for natural reestablishment of emergent wetland habitat temporarily disturbed by construction.	34.3 acres of habitat mitigation has been accomplished (5.3 acres of revetment at the project site was revegetated with riverine habitat and 29 acres of riparian floodplain terraces were planted near the project site). Mitigation monitoring has been completed, except for the GF onsite area. High river stages resulted in the loss of 1.4 acres of riverine cover onsite due to erosion. The GCID intake channel was planted in 2009 to compensate for loss of these plantings from erosion. Mitigation performance monitoring is in progress for the GF onsite area, and the 60% canopy cover success criterion is expected to be fully met in 2011. Awaiting results from the 2011 survey of performance.	2012
SPD	SPK	Kaweah Spillway Enlargement, CA	100	100	5735.2	5735.2	Based on adverse impacts associated with project construction, mitigation was required to include installation of 40 acres of riparian habitat, 7.19 acres of habitat for Federally listed Valley Elderberry Longhorn Beetle (VELB), and preservation of 4,388 acres of oak woodland and 1,300 acres of seasonal waterfowl habitat.	Mitigation accomplishments include establishment of 40 acres of riparian habitat and 7.19 acres of valley elderberry longhorn beetle (VELB) habitat; plus preservation of 4,388 acres of oak woodland habitat and creation of 1,300 acres of seasonal waterfowl habitat.	2014
SPD	SPK	Sacramento River Bank Protection CA-Construction (Setback Levee at River Mile 57.2R)	100	40	27.4	3	Mitigation will be required for the loss of heritage trees, impacts associated with the Valley Elderberry Longhorn Beetle resulting from transplanting elderberry plants within the project footprint, and effects to seasonal wetlands.	To mitigate for effects to Valley Elderberry Longhorn Beetle (VELB) habitat loss and heritage trees, elderberry shrubs were transplanted to a VELB mitigation bank. The transplants and additional planting of elderberry seedlings and associated native plants compensated for the adverse effects to the VELB, habitat loss and heritage trees. Success remains to be measured per agreement with the USFWS and the VELB Mitigation Bank. Mitigation credits for temporal losses still need to be purchased as they become available.	2015
SPD	SPK	South Sacramento Co. Streams, CA	100	50	433.5	433.5	Mitigation was required for Giant Garter Snake, Vernal Pool Fairy & Tadpole Shrimp, wetlands impacts, Burrowing Owl, & Valley Elderberry Longhorn Beetle habitat. These impacts occurred	Mitigation bank credits were purchased for GGS, vernal pool fairy & tadpole shrimp, wetlands impacts, & VELB habitat. The impacts occurred in multiple years & in multiple streams in the	2014

Table 2. STATUS OF PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION

9 February 2012

Division	District	Project Name	Percent Mit Physically Complete	Percent Project Physically Complete	Mit Total Acres of Land Required	Mit Total Acres of Land Acquired	Mitigation Requirements	Mitigation Accomplishments to Date	Estimated Date of Success
SPD	SPK	Yuba River Basin CA (Marysville Ring Levee)	20	20	11.2	11.4	US Fish and Wildlife Services' Biological Opinion (BO) It also requires that 2.5 acres be set aside for elderberry shrub transplants. Additional mitigation is 8.73 acres of woodland habitat.	Mitigation has not started for the Marysville Ring Levee project and is anticipated to begin in 2012.	2013
SPD	SPL	Murrieta Creek, CA (Phase I)	100	100	5.8	5.8	Mitigation required includes revegetation of an unmaintained habitat "corridor" within the modified channel, vegetated with riparian cottonwood/willow plant communities. For Phase I, this habitat corridor is 70 feet wide and includes 2 4-foot tall "benches" that are periodically inundated based on the intensity of winter storms. Mitigation also includes revegetation of the channel side slopes with coastal sage scrub vegetation.	Revegetation of an approximately 3000 feet x 70 feet riparian corridor as well as the adjacent side slopes. Continued maintenance and monitoring of the mitigation area until the end of the 5-year monitoring period. As of January 2012, the project is in it's third year of the 5-year monitoring period. Year 3 annual quantitative monitoring will be completed in May 2012 (i.e. 3rd year ends/4th year begins).	2014
SPD	SPL	Nogales Wash, AZ	70	90	8.6	8.6	Compensatory mitigation measures include preservation of 2.7 acres of dense native riparian vegetation, and the revegetation of 5.93 acres along Nogales Wash and Potrero Creek (Areas A thru C) with native cottonwood, willow, and mesquite, accompanied by an appropriate assemblage of native understory vegetation.	Local sponsor has acquired 2.7 acres of willow/cotton wood riparian habitat for preservation. Revegetation of 3.28 acres of willow/cotton wood riparian in Area A is complete.	2015
SPD	SPL	Rio De Flag - Flagstaff, AZ	0	52	3	3	Mitigation for impacts to cottonwood/willow include installation of 3.0 acres of riparian habitat preceded by exotic weed/invasives removal. Mitigation will be accomplished along the Rio de Flag within the project footprint.	There has been no mitigation accomplished to date.	2026
SPD	SPL	San Luis Rey River, CA	75	100	241	195.5	Mitigation (about 241 ac) is required for temporary and permanent impacts to waters of the U.S., waters of the State of California, riparian habitat, and vireo and southwestern willow flycatcher habitat. Mitigation entails preservation and restoration of riparian and vireo and flycatcher suitable habitat onsite and offsite of the project area. Maintenance of fish passage beneath bridges is required; boulders beneath bridges will be removed/reconfigured. An adaptive habitat management plan is required; will cover the project area, including areas to be preserved/restored and the flood risk management flow conveyance zone, and an off-site mitigation site.	Riparian habitat was established on-site prior to and during construction. About 32 ac created to meet preconstruction requirements. Mitigation requirements (preserve and restore), including Phases 1-3, would be met within the established area (~164 ac required on-site). Invasive plant control initiated in 2005 and on-going; an additional 40 ac treated in 2011 to total approx. 100 ac treated to date. Acquisition of an off-site mitigation site by sponsor is complete (45.5 ac); A Real Estate Plan and supplemental NEPA document is being prepared for the site. A draft Adaptive Habitat Management Plan was completed; plan is undergoing further revisions in coordination with resource agencies.	2017

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Division	District	Project Name	Percent Mit Physically Complete	Percent Project Physically Complete	Mit Total Acres of Land Required	Mit Total Acres of Land Acquired	Mitigation Requirements	Mitigation Accomplishments to Date	Estimated Date of Success
SPD	SPL	Santa Ana River Mainstem, CA	75	83	3376	3266	Restore 92 acres salt marsh, 5 acres freshwater marsh, ~1,257 acres of riparian habitat (mostly through non-native vegetation removal, with monitoring), and 11 acres perennial stream; trapping of nest-predating cowbirds; wildlife corridor improvements; develop and implement Habitat Management Plan for 1,100 floodplain acres downstream of Prado Dam; and develop and implement Multi-Species Habitat Management Plan for 764 acre preserve area downstream of Seven Oaks Dam.	Full restoration of approx. 450 acres of riparian habitat; partial restoration of approx. 900 acres of riparian habitat; restoration of 92 acres of salt marsh and 5 acres of freshwater marsh; initiated efforts to restore 11 acres perennial stream; ongoing mgmt of 1,864 acres of river wash/floodplain habitats; and acquisition/conservation of at least 150 acres outside of those habitat management areas. DEC. 2011 UPDATE: No new mitigation was initiated, and mitigation that was ongoing last year has not been completed. Continued treating a 250 acre arundo removal site in Norco (non-natives under control, native hab. growing well) and continued construction of perennial stream mit. project.	2015
SPD	SPL	Santa Maria River, CA	0	100	86	86	The permanent loss to 7.46 acres of native habitat would be fully mitigated by creating/establishing approximately 12 acres native riparian habitat by removal and re-vegetation of non-native habitat project features. Another 74 acre area temporarily disturbed by project construction would be fully restored to appropriate native habitat consistent with the natural conditions of the river.	The Corps has begun restoration on all 86 acres of temporarily disturbed areas to establish native plant communities. This habitat previously consisted of non-native vegetation, groin, and barren areas. Restoration/mitigation includes the following riparian and upland plant communities: •□Arroyo Willow Riparian (Riparian) •□Riparian Scrub (Riparian) •□Mulefat Scrub (Riparian) •□Coyote Bush/Central Coast Scrub •□Active Channel (Riparian) The site is meeting or exceeding expectations with the help of winter rainy season. At the end of 2011 the site continued to do well, plant survivability is high with more than 25% native cover.(The goal is 75% cover.) Weed maintenance has continued.	2016
SPD	SPL	Tucson Drainage Area, AZ	0	75	5.5	5.5	Compensatory mitigation requirements include 5.5 acres of mitigation to replace 4.1 acres of desert riparian habitat that will be impacted by construction of the flood detention basin complex.	Mitigation site construction is currently delayed due to ongoing construction of the flood control facilities.	2018

Table 2. STATUS OF PROJECTS WITH INCOMPLETE COMPENSATORY MITIGATION

9 February 2012

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SPD	SPN	Oakland Harbor Deepening 50', CA	87	100	15	15	Proposed dredging activities would result in the direct removal and loss of eelgrass bed habitat. Mitigation for the potential loss of the eelgrass bed would consist of the establishment and long-term monitoring of an eelgrass bed with equal or greater spatial extent and density as that which already exists.	No additional mitigation was accomplished in 2011. 0 acres of habitat have been fully restored. 100% of the dredged material has been placed in the Middle Harbor area. The material is currently settling.	2018
SPD	SPN	Upper Guadalupe River, CA	25	2	21	21	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 partially 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.	2024
SWD	SWF	Central City, Fort Worth, TX	0	5	0	0	Mitigation requirements include development of 1.43 acres of emergent wetland, establishment of 76.2 acres of riparian woodland, and establishment of 45.5 acres of upland forest. Additional requirements include management activities on 12.2 and 13.3 acres of existing riparian woodland and upland forest, respectively.	Mitigation has not started. Mitigation is onsite and project features have to be constructed before project features can be completed. No construction occurred that had F&W impacts in FY11.	2025
SWD	SWF	Dallas Floodway Extension, TX	40	10	750	750	Acquisition, planting, and management of 1,179 acres of additional project lands.	745 acres of the have been acquired and 120 acres of that has been managed/planted. In FY 11, there was a drought and the 120 acres needs to be replanted. In addition, we did not perform any additional work in FY 11 due to contract issues.	2025
SWD	SWF	Waco Lake Pool Raise, TX	60	100	1540.3	1540.3	Acquire and reforest approximately 1000 acres of land. Reforest another 540 acres for a total of	174 acres of Emergent Wetlands have been established and success has been met. 220	2015

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9 February 2012

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SWD	SWG	Brays Bayou, TX	70	65	27.9	27.9	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.	2020
SWD	SWL	Arkansas River Navigation Channel, AR&OK	4	3	558.1	15.1	130 acres of Bottomland Forest and 248 acres of Marsh restoration. Relocation of approximately 30K mussels to Lake Dardanelle, relocation of approximately 60K mussels to Pool 2 and then using these individuals to recolonize the Canal. Throughout MKARNS, only scattered beds and patches of mussels were noted. Mitigation for mussel beds and patches that are located near construction areas will consist relocating bed or patches as needed. Gravel bar surveys in proposed dredging locations indicated that an estimated 165 acres of gravel would be impacted and would require mitigation by relocating or creating gravel bars. 15.1 acre island required for terns.	Although a 15.1 acre marsh and forest island was constructed primarily for terns, no other project or mitigation construction has been accomplished. Due to no construction funding in FY11, no further project or mitigation implementation has taken place.	2020
SWD	SWT	Canton, OK, Dam Safety	95	65	220	220	1. Relocation of existing prairie dog town 2. Replacement of lands licensed to OK Dept of Wildlife Conservation.	Acquisition of lands similar in function to those impacted has been accomplished and acquired additional lands have been turned over to the State of OK under license for wildlife management. Acquisition is complete and only minor improvements such as a water well installation remain to be accomplished at appropriate time in project construction schedule. Prairie dog town was successfully relocated prior to construction activities thus avoiding direct impacts to prairie dogs in the project area.	2012

Table 3. ANNUAL CONSULTATION ON SUCCESS OF MITIGATION as required by Section 2036 of WRDA 2007										26 January 2012
Division	**District**	**Project Name**	**Mitigation % Physically Complete**	**Mitigation Requirements**	**Consultation Date and Agency Name**		**Evaluate Ecological Success to Date**	**Likelihood of Success**	**Projected Timeline for Achieving Success [1]**	**Recommendations for improving the likelihood of success made during consultation**
LRD	LRL	Olmsted Lock and Dam, KY	100	Purchase of mitigation lands, increased water management capability on Ballard Wildlife Management Area (WMA), KY, monitoring of bald eagles and waterfowl populations, monitoring of freshwater mussel populations, support of development of restoration and propagation methodologies for mussels, and restoration of former clay mine site that serves as large part of construction site.	01-APR-11	Kentucky Field Office - USFWS - KY Kentucky Department of Fish and Wildlife Resources - KY	Constructed mitigation functions progressing. Mussels have been reduced somewhat by impacts of the invasive zebra mussel. Bald eagle nests and wintering populations have increased. Migratory waterfowl numbers have increased.	High	2023	Continue monitoring activities as agreed and scheduled.
MVD	MVN	Larose to Golden Meadow, LA (1985 Mitigation)	100	The required and authorized mitigation for the Larose to Golden Meadow 1985 Hurricane Protection Project calls for construction of a levee and water-control structure along the eastern boundary of the mitigation site; herein referred to as the Pointe-au-Chien WMA Mitigation Site. These features will serve to enhance the functional values of wetlands in the mitigation site.	09-NOV-11	Louisiana Department of Wildlife and Fisheries	All water control structures and levee construction was completed in May 2002, thereby meeting the primary success criteria. However, ecological success was set back due to hurricanes and within the mitigation site is currently 80% to 85% complete. It is estimated full success will be achieved in 2 years barring additional hurricane damage.	High	2013	None provided.
MVD	MVR	Mississippi River Dredged Material Management Plan (Pool 18-Keithsburg), IL	100	Both sites 1 and 13 contain approximately 10 acre of floodplain forest. They have many mature trees widely spaced and 70-80 feet in height. A few snag and cavity trees can also be found on the site. There is virtually no understory except for some widely scattered pole-sized trees at heights of 9-20 feet.	13-JAN-10	Mark Twain National Fish and Wildlife Refuge	Completely successful.	High	2010 (a)	None provided.
MVD	MVR	Mississippi River Dredged Material Management Plan (Pool 19 - Kemps-Craigles), IL	100	5.4 acres of farmed and prior converted wetland to revert to a floodplain forest wetland habitat.	19-AUG-09	Iowa Department of Natural Resources - IA Department of Natural Resources	Bottomland hardwood trees are successfully growing on the mitigation site in suitable numbers to indicate important wetland success.	High	2010 (a)	None provided.

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NAD	NAN	NY & NJ Harbor (50') NY&NJ	100	The construction of approximately 57 acres of tidal wetlands over 4 sites (out of kind) within the NY/NJ Harbor estuary was required. Mitigation on lands owned by National Park Service, Towns of Woodbridge and Carteret, NJ and New York State.	30-JUN-11	New York Department of Environmental Conservation New Jersey Department of Environmental Protection	Based on site visits and quarterly monitoring, the interagency monitoring team review the results and determine if adaptive management is necessary. Mitigation at all sites is scheduled to be on target. Presently would estimate 80% on target for all four sites. At Elders Point East, high and low marsh vegetation is flourishing promoting the return of wildlife. The water flow at the Joseph P. Medwick Park site has been reestablished and native fish and wildlife have returned. in addition to the tidal flow returning to the KeySpan site, the area is also providing vegetation for nesting birds. Project at Woodbridge Creek has restored the water flow to the site and as a result fish species are creating nurseries there, and bird and wildlife habitats are returning to the site.	High	2013	None provided.
NWD	NWK	Tuttle Creek, KS Dam Safety Assurance Project	100	A total of 0.5 acre of bottomland hardwood forest was required to mitigate for this project.	01-SEP-09	Kansas Department of Wildlife and Parks - KS	Over 85% of the trees survived after 3 years and the mitigation is meeting all of the success criteria.	High	2009 (a)	None provided.
NWD	NWO	Perry Creek, Sioux City, IA	100	Mitigation plantings included 33 acres of native grass species, and 13 acres of tree and shrub plantings.	03-JAN-11	US Fish and Wildlife Service - Field Supervisor- Rock Island, IL - IL	Vegetation planted but contrary to management plan was mowed instead of being allowed to grow to natural height.	High	2013	None provided.

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NWD	NWP	Columbia River Channel Improvement-Navigation, OR & WA	99	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: 272 acres of mitigation at the following sites: Chumley, Webb, and Cottonwood.	31-JAN-11	US Fish and Wildlife Service - OR	All three mitigation sites are visited by the multi-agency adaptive management team of federal and state agencies which tour the sites annually. This team will continue to monitor the successes of these three project to ensure projects meet their intended purpose.	High	2013	None provided.
NWD	NWS	HOWARD A HANSON DAM, WA (Additional Water Storage Project (Phase 1 only))	100	Mitigation consists of: 1. instream habitat restoration through culvert replacement engineered logjams and side channels. 2. riparian planting, thinning, protection and conservation. management of forest, pasture and emergent marsh. 3. creation of elk forage habitat.	01-DEC-10	Washington State Department of Fish and Wildlife Ecological Services - WA National Marine Fisheries Service Northwest Region	Wildlife - approximately 118 acres of habitat has been created and is being managed as elk pasture. Creation of emergent elk pasture land has not developed as planned. All elk sites are being monitored to better understand conditions needed to establish emergent elk pasture. Approximately 238 acres of forest land are being managed for fish and wildlife. Vegetation composition will be monitored to assure that appropriate habitat is established. Instream habitat structures have been completed (~12.7 acres), as well as riparian habitat. For the fish mitigation sites, preliminary monitoring has determined that on average the sites are performing as expected and impacts to fish are being compensated for. More monitoring is needed to determine success.	Medium	2022	None provided.

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POD	POA	FALSE PASS HARBOR, AK	100	Mitigate impacts for loss of shallow subtidal marine habitat by breaching breakwater and placing 25 reef balls and monitoring recolonization by benthic species; monitor project effects on waterfowl abundance, distribution, and exposure to petroleum.	30-JUN-10	Anchorage Ecological Field Office, US Fish and Wildlife Service - AK	Monitoring indicates functional success for recolonization of benthic communities on breakwaters and reefballs. Monitoring of waterfowl distribution has indicated no adverse effect. Monitoring of petroleum and eider exposure is complete and shows no project effect.	High	2011 (a)	None provided.
SAD	SAW	Wilmington Harbor, NC - 96 Act	81.3	Island 13 - Restoration of 30.4 acres primary nursery (including 3.4 acres intertidal marsh) on Cape Fear River dredged material disposal island 13. Prevention of Degradation (POD) Lands - Acquisition of 700 acres riparian wetland habitat buffer on NE Cape Fear River, including river shoreline & two tributaries (Tony's and Lagoon Creeks), which serve to protect 29 acres estuarine primary nursery area. Fish passage at Lock and Dam #1 on the Cape Fear River - Construction of rock rapids on downstream face of dam to better facilitate anadromous fish passage upstream.	24-AUG-11	North Carolina Division of Marine Fisheries	Complete success at Island 13 was achieved and consultation completed as of September 2005. The North Carolina Division of Marine Fisheries (NCDMF) determined the Island 13 system displayed functional characteristics similar to natural marshes of the same type. POD lands in their entirety were acquired as of June 10, 2011. This is a preservation component of the mitigation plan. Fish Passage at Lock and Dam #1 on the Cape Fear River is currently in under construction and is ~45% complete as of November 2011.	High	2014	None provided.
SPD	SPK	American River - Bridge, CA	75	Mitigation required included 50 acres of oak woodland habitat, 6 acres of riparian habitat, 2.5 acres of seasonal wetland and 14.2 acres of habitat for Federally listed Valley Elderberry Longhorn Beetle.	14-JUN-11	U. S. Fish and Wildlife Service - Corps Projects Branch, CA - CA	The Goethe East Site (14.2 acres) of valley elderberry longhorn beetle habitat has been installed for a few years now, and after a recent fire at the site, the survival numbers were down so a replanting effort in 2012 will occur. The Rossmoor Bar (oak woodland and riparian - 56 acres)site is in its first year after planting and all indications are that success is expected.	High	2017	replanting of Goethe in 2012

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SPD	SPK	American River - Folsom Outlet Modifications (Joint Federal Project - Auxiliary Spillway), CA	90	Mitigation for the Joint Federal Project Flood Risk Management impacts include 1.8 acres riparian habitat, 0.21 acres chaparral habitat, and 1.38 acres oak woodland. Mitigation for the Folsom Dam Modifications Staging Area includes 7.73 acres of habitat for the Federally listed Valley Elderberry Longhorn Beetle (VELB), 6.77 acres oak woodland, and 0.53 acres chaparral habitat.	24-MAY-11	FWS - Sacramento Field Office - Corps Projects Branch - CA	Mitigation at sites 11.5 is complete and will be turned over to the sponsor in 2012. Sailor Bar is on track to be successful based on recent surveys and survival rates, increased density and plant vigor. Planting at Rossmoor Bar (1.38 acres of oak woodland)has just been completed, and the site is expected to succeed.	Medium	2017	None provided.
SPD	SPK	Glenn Colusa Gradient Facility / RM208, CA	100	(1) Short-term degradation to riverine habitat restored through natural processes following construction; (2) compensatory mitigation for loss or degradation of Shaded Riverine Aquatic (SRA) cover, riparian and elderberry habitat (supporting Federally listed Valley Elderberry Longhorn Beetle) by installing 34.3 acres of offsite and onsite riverine and riparian habitats (5.3 acres of shaded riverine aquatic cover habitat and 29 acres of riparian/elderberry habitat); and (3) providing suitable site conditions for natural reestablishment of emergent wetland habitat temporarily disturbed by construction.	12-APR-11	U.S. Fish and Wildlife Service - Sacramento Corps Projects Branch - CA National Marine Fisheries Service Southwest Region - CA	Resource agencies consulted agree, based on surveys for plant growth, health and canopy cover criteria, that all mitigation areas except for the Gradient Facility onsite have achieved mitigation success. The Gradient Facility onsite area is expected to fulfill all success criteria in 2011 with the successful establishment of 800 linear feet of willows along the riverbank to provide SRA cover with at least 60% canopy cover.	High	2012	Replanting of areas to replace plants lost by erosion

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SPD	SPK	KAWEAH SPILLWAY ENLARGEMENT, CA	100	Based on adverse impacts associated with project construction, mitigation was required to include installation of 40 acres of riparian habitat, 7.19 acres of habitat for Federally listed Valley Elderberry Longhorn Beetle (VELB), and preservation of 4,388 acres of oak woodland and 1,300 acres of seasonal waterfowl habitat.	24-AUG-11	FWS Corps Project Branch Sacramento Field Office - CA	At the Davis Ranch site,(4,388 acres) success criteria was met when the site was purchased by the non-Federal sponsor and the O&M manual was finalized. The site has been turned over to the non-Federal sponsor. The Dry Creek site (40 acres) has had a couple of replants due to fire and grazing damage. The site is also on its way to meeting success criteria to include canopy density and vigor, areal cover and habitat structure. Consultation was done this year with FWS and we have determined that ecological success was met and the site is being turned over to the non-Federal sponsor in Spring 2012. Tulare Lakebed Site (1,300 acres) has met the success criteria and has been turned over to the sponsor. The elderberry site consists of 4 individual sites planted at various times between 2001 and 2006. All sites are on their way to meeting the 60% survival criteria identified in the ESA Biological Opinions. Site will be turned over to the non-Federal sponsor in 2016.	High	2014	keep on with current inspections and surveys

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SPD	SPK	SOUTH SACRAMENTO CO. STREAMS, CA	100	Mitigation was required for Giant Garter Snake, Vernal Pool Fairy & Tadpole Shrimp, wetlands impacts, Burrowing Owl, & Valley Elderberry Longhorn Beetle habitat. These impacts occurred in multiple years & in multiple streams in the project area. They are as follows, and construction & mitigation are completed except as noted. GGS- 8.7 acres for Unionhouse Creek to Franklin, 22.86 acres for Unionhouse Creek Franklin-Center Parkway, 4.8 acres for '98-2002 construction, .24 acres for '04 design changes. Vernal Pool Preservation- for fairy and tadpole shrimp- 9.18 acres Seasonal wetland creation- 1.13 acres VELB- 7 transplants Burrowing Owl- 386 acres for impacts to various creeks	03-OCT-11	Stone Lakes National Wildlife Refuge - CA California Department of Fish and Game	Mitigation success for burrowing owls is being assessed by monitoring occupation of constructed burrows, producing a yearly monitoring report, providing it to CA Department of Fish and Game and Stone Lakes National Wildlife Refuge, participating in a yearly consultation meeting, and adaptively managing if necessary. Seven owls thus far have been observed as having moved into said burrows. There is no management necessary at this time.	Medium	2014	None provided.

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SPD	SPL	Murrieta Creek, CA (Phase I)	100	Mitigation required includes revegetation of an unmaintained habitat "corridor" within the modified channel, vegetated with riparian cottonwood/willow plant communities. For Phase I, this habitat corridor is 70 feet wide and includes 2 4-foot tall "benches" that are periodically inundated based on the intensity of winter storms. Mitigation also includes revegetation of the channel side slopes with coastal sage scrub vegetation.	31-MAR-11	Regional Water Quality Review Board California Department of Fish and Game	The first year's report showed a high percentage of bare ground but a relatively low percentage of non-natives. Second year's report documented inadequate vegetation cover. Weeding activities were moderately to highly successful, but there were still several areas within the site where small, localized weed infestations occurred. Year 3 annual monitoring will occur in May 2012. Over the remaining 2.5 years of maintenance and monitoring for Phase I, the site must fill in with natives and establish/maintain a functional hydrologic regime to meet success. Some areas will be re-seeded to help establish a higher percent cover of natives. Weeding maintenance and mitigation monitoring will continue through the remainder of the 5-year mitigation period. As of October 2011, the corridor was establishing well with natives. The slopes exhibited some patches of	High	2014	change in annual monitoring data collection methodology from CDFG

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SPD	SPL	Santa Ana River Mainstem, CA	75	Restore 92 acres salt marsh, 5 acres freshwater marsh, ~1,257 acres of riparian habitat (mostly through non-native vegetation removal, with monitoring), and 11 acres perennial stream; trapping of nest-predating cowbirds; wildlife corridor improvements; develop and implement Habitat Management Plan for 1,100 floodplain acres downstream of Prado Dam; and develop and implement Multi-Species Habitat Management Plan for 764 acre preserve area downstream of Seven Oaks Dam.	12-AUG-11	Carlsbad Field Office - CA - CA	To date all mitigation sites have met or exceeded expectations. 92 acres salt marsh and 5 acres freshwater marsh have been fully restored. Success criteria were met in that initial plantings survived through establishment period, and areas have continued to function as designed. Arundo biomass removed from over 1000 acres of floodplain. Cowbird trapping program underway. Floodplain acreage acquired downstream of Prado and Seven Oaks Dams and Habitat Management Plan developed for downstream of Prado. Fairview Park plant installation has been completed, but the vegetation has not yet matured to meet overall success criteria. Additional mitigation features will be added as construction continues.	High	2015	None provided.
							Footnote		[1] (a) = actual	