SOUTHWESTERN DIVISION

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JUSTIFICATION OF ESTIMATE

SOUTHWESTERN DIVISION
JUSTIFICATION MATERIAL
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FLOOD AND COASTAL STORM DAMAGE REDUCTION

INVESTIGATIONS

Study		Total Estimated Federal Cost	Allocation Prior to FY 2009	Allocation FY 2009	Allocation FY 2010	Allocation FY 2011	Tentative Allocation FY 2012	Additional to Complete After FY 2012
		$	$	$	$	$	$	$
Dallas Floodway, Dallas, TX	Annual Allocations	19,300,000	0	0	1,345,000	1,830,000 1/	700,000	15,425,000
Fort Worth District	ARRA Allocations			0				
	Total Allocations	19,300,000	0	0	1,345,000	1,830,000	700,000	15,425,000

1/ The FY 2011 President's Budget amount was $700,000, but project received a Continuing Resolution (CR) allocation of $1,830,000.

The study area is located adjacent to the Stemmons business corridor and the central business district in metropolitan Dallas, Dallas County, Texas. The existing floodway extends along the Trinity River upstream from the abandoned Atchison, Topeka and Santa Fe (AT&SF) railroad bridge at river mile 497.37, to the confluence of the West and Elm Forks at river mile 505.50, then upstream along the West Fork for approximately 2.2 miles and upstream along the Elm Fork approximately four miles. Of the 22.6 miles of levees within this project, the East Levee is 11.7 miles in length and the West Levee is 10.9 miles in length. In addition to the existing levees, the floodway includes a modified channel within the existing reach and structures including six pumping plants, five pressure conduits, and seven drainage structures. The original Dallas Floodway levees and interior drainage improvements were completed between 1928 and 1931 by the city of Dallas and the Dallas County Levee Improvement District. The Trinity River was rerouted by constructing a channel within the leveed floodway. The original channel was either filled or used for sump storage. In the mid 1940's, major floods compounded by continued upstream urbanization in the watershed overflowed the floodway system and resulted in severe flooding. Subsequently, several Corps of Engineers improvements to the Dallas Floodway were completed in 1959. The improvements included reinforcing and raising the levees to provide conveyance of the Standard Project Flood (SPF) within the floodway, plus four feet of freeboard. To improve interior drainage, additional pump stations were constructed and the channel within the floodway was further excavated to an average depth of 25 feet with a 50-foot bottom width, to provide the design capacity of 13,000 cubic feet per second (cfs). The existing Dallas Floodway project removed approximately 10,500 acres from the floodplain, most of which is now highly developed industrial property. Major floods occurred in 1989, 1990, and 2007 in the Dallas Floodway. The existing Federal levee system prevented approximately $250 million in damages during the June 2007 flood event. Subsequent studies of the existing floodway levees within the project reach in 1998 estimated their current level of protection to be approximately a 300-year frequency instead of the original SPF plus 4-feet of freeboard level of protection, due to changed hydrologic conditions resulting from increased upstream development. The feasibility study includes a comprehensive assessment of all actions proposed within the Dallas Floodway. The sponsor is the City of Dallas. The feasibility cost sharing agreement was executed on 5 May 2010.

The City of Dallas' master plan for future development on the Trinity River, entitled the Trinity River Corridor Project, includes flood risk management, recreation, ecosystem restoration, and transportation features. Section 5141 of the Water Resources Development Act of 2007 (Public Law 110-114) authorized construction of the flood risk management, recreation and ecosystem restoration features of the City of Dallas' comprehensive plan at a total project cost of $459,000,000 with an estimated Federal share of $298,000,000 and an estimated non-Federal share of $161,000,000. On-going studies related to the Trinity River Corridor Project involve coordination with multiple Federal (Federal Highways Administration and Federal Emergency Management Agency), State (Texas Department of Transportation), and local agencies. The Corps of Engineers and the City of Dallas have worked collaboratively with other stakeholders to develop an action plan, which includes a comprehensive, system-wide assessment of the City of Dallas' measures to remediate deficiencies in the existing levee system, and to determine the technical and environmental feasibility for implementing elements of the City of Dallas' comprehensive plan, while ensuring the integrity of the Dallas Floodway Levee System.

Dallas Floodway, Dallas, Texas (continued)

Fiscal Year 2011 funds are being used to continue the assessment of the flood risk management measures, review the city's plan for restoring 100-year level of protection, and initiate the comprehensive analysis of all proposed actions. The funds requested for Fiscal Year 2012 would be used to complete the comprehensive analysis, identify the recommended plan, and initiate preparation of the Draft Feasibility Report. The preliminary estimated cost of the overall feasibility study is $38,600,000, based on a 50/50 cost share with the sponsor. A summary of study cost sharing is as follows:

Total Estimated Study Cost	$38,600,000
Reconnaissance Phase (Federal)	0
Feasibility Phase (Federal)	19,300,000
Feasibility Phase (Non-Federal)	19,300,000

The completion date for the feasibility study is to be determined.

Study		Total Estimated Federal Cost $	Allocation Prior to FY 2009 $	Allocation FY 2009 $	Allocation FY 2010 $	Allocation FY 2011 $	Tentative Allocation FY 2012 $	Additional to Complete After FY 2012 $
Guadalupe and San Antonio, TX	Annual Allocations	8,382,000	4,033,000	382,000	359,000	600,000	400,000	2,608,000
River Basins, TX	ARRA Allocations			0				
Fort Worth and Galveston Districts	Total Allocations	8,382,000	4,033,000	382,000	359,000	600,000	400,000	2,608,000

The Guadalupe and San Antonio River watersheds are located in south-central Texas. The Guadalupe basin has a drainage area of 6,700 square miles, and the San Antonio River basin has a drainage area of 4,180 square miles. Severe flooding occurred within various portions of the Guadalupe and San Antonio River basins in 1972, 1978 and 1997, when portions of the river basins were declared disaster areas. Major flood events also occurred in 1998, 2000, 2002, 2004 and 2010. The flood event in October 1998 was one of the most devastating in the region, resulting in approximately $800 million in damages and 31 deaths. The July 2002 event had damages in excess of $1 billion and nine deaths. The flood event in June 2004 resulted in the loss of three more lives, and in June 2010, severe flooding damaged New Braunfels, Texas, and claimed another life. The purpose of the Guadalupe and San Antonio River study is to identify risks and opportunities for flood risk management, especially as it relates to human safety. Structural and non-structural alternatives have been identified and are currently being evaluated. Additional study purposes include ecosystem restoration, water supply, recreation and other allied purposes. Texas Senate Bill 1 (1997) included the evaluation of alternatives to enhance water supply, including recharge of the Edwards Aquifer and Comal and San Marcos Springs. The Edwards Aquifer contains seven endangered and one threatened species. The endangered species are: Fountain Darter (*Etheostoma fonticola);* Texas Blind Salamander (*Eurycea rathbuni)*; San Marcos Gambusia (*Gambusia georgei);* Texas Wild Rice (*Zizania texana);* Comal Springs Riffle Beetle (*Heterelmis comalensis);* Comal Springs Dryopid Beetle (*Stygoparmus comalensis);* and Peck's Cave Amphipod (*Stygobromus pecki), and the* San Marcos Salamander (*Eurycea nana)is threatened.* The alternatives, if adopted, could provide dual benefits of ecosystem restoration and water supply. There are currently four interim feasibility studies (Cibolo Creek, Leon Creek, Salado Creek, and Alamo Heights) under the Guadalupe-San Antonio River Feasibility Study. All four interim feasibility studies are multipurpose studies addressing flood risk management, ecosystem restoration, and water supply. The non-Federal sponsors are the San Antonio River Authority, San Antonio Water System and the Guadalupe Blanco River Authority. The feasibility cost sharing agreement with the local sponsors was most recently modified on 28 September 2005.

Fiscal Year 2011 funds are being used to complete the draft report for the Leon Creek Interim Feasibility Study (IFS), conduct Plan Formulation for the Cibolo Creek IFS, and initiate the Salado Creek IFS. The funds requested for Fiscal Year 2012 will be used to complete the final report for the Leon Creek IFS; complete the draft report for the Cibolo Creek IFS; and continue the Salado Creek IFS. The preliminary estimated cost of the overall feasibility study is $15,692,000, which is to be shared on a 50-50 percent basis by Federal and non-Federal interests. A summary of study cost sharing is as follows:

Total Estimated Study Cost	$16,228,000
Reconnaissance Phase (Federal)	536,000
Feasibility Phase (Federal)	7,846,000
Feasibility Phase (Non-Federal)	7,846,000

The scheduled completion date for the Leon IFS and the Cibolo IFS is December 2012. The completion dates for the Salado Creek IFS, Alamo Heights IFS, and the overall Guadalupe San Antonio River Basins, TX, feasibility study are to be determined.

Study		Total Estimated Federal Cost $	Allocation Prior to FY 2009 $	Allocation FY 2009 $	Allocation FY 2010 $	Allocation FY 2011 $	Tentative Allocation FY 2012 $	Additional to Complete After FY 2012 $
Lower Colorado River Basin, TX	Annual Allocations	11,635,000	7,012,000	406,000	484,000	425,000	425,000	2,883,000
Fort Worth and Galveston Districts	ARRA Allocations			0				
	Total Allocations	11,635,000	7,012,000	406,000	484,000	425,000	425,000	2,883,000

The Lower Colorado River basin encompasses a geographic area of approximately 21,000 square miles, and includes portions of the following counties in central and south Texas: Bastrop, Blanco, Burnet, Colorado, Fayette, Hays, Lampasas, Llano, Matagorda, Mills, San Saba, Travis and Wharton. The northernmost reaches of the study area include the Highland Lakes upstream of Austin, while the southernmost boundary is the Gulf of Mexico. The study area is bounded by the Guadalupe, Lavaca, and Colorado-Lavaca basins on the west, and the Brazos and Brazos-Colorado basins on the east. The major metropolitan areas within the study boundaries are Austin, Bastrop, Bay City, Columbus, LaGrange, Marble Falls and Wharton. An Information Paper, dated October 2003, documented the studies that were conducted to identify the problems, needs and opportunities of the basin. In October 1998, widespread flooding and related damages occurred throughout the Lower Colorado River basin and served as the impetus for initiating this study in 1999. Subsequently, basin-wide flooding has occurred in 2002, 2004, and most recently in June 2007, when the area around the city of Marble Falls received a history-making 19 inches of rainfall within a 24-hour period. Onion Creek, Shoal Creek, Walnut Creek, Bastrop County, the Highland Lakes, and the city of Wharton have experienced increased flooding and alterations to wildlife habitat. The study identified approximately 34,000 structures in the Lower Colorado River floodplain with over $25 million in expected average annual damages. The study also identified 25 potential sites for ecosystem restoration. While most of the problem areas will be addressed in specific interim feasibility studies (IFS), there are sites which await the identification of a cost sharing sponsor. IFS for Onion Creek and the city of Wharton were completed in December 2006, and were authorized in the Water Resources Development Act of 2007 (Public Law 110-114). The feasibility cost sharing agreement with the Lower Colorado River Authority, acting as sponsor on behalf of the local interests for the various interim studies, was most recently modified on 27 August 2010.

Fiscal Year 2011 funds are being used to continue the IFS for Highland Lakes and Bastrop County; and continue development of existing conditions for the Hays County IFS. The funds requested for Fiscal Year 2012 will be used to continue the Highland Lakes IFS, Bastrop County IFS, and Hays County IFS and initiate the Shoal Creek IFS. The estimated cost of the overall feasibility study is $23,020,000, which is to be shared on a 50-50 percent basis by Federal and non-Federal interests. A summary of study cost sharing is as follows:

Total Estimated Study Cost	$ 23,145,000
Reconnaissance Phase (Federal)	125,000
Feasibility Phase (Federal)	11,510,000
Feasibility Phase (Non-Federal)	11,510,000

The Highland Lakes IFS is scheduled for completion in September 2012. The completion dates for the Hays County IFS, Shoal Creek IFS, Bastrop County IFS, and the overall basin-wide study are to be determined.

CONSTRUCTION

APPROPRIATION TITLE: Construction - Local Protection (Flood & Coastal Storm Damage Reduction)

PROJECT: Brays Bayou, Houston, Texas (Continuing)

LOCATION: The project is located in the metropolitan area of Houston, in Harris County, Texas.

DESCRIPTION: The project consists of 4 detention basins (Sam Houston, Old Westheimer Road, Eldridge Road, and Willow Waterhole); enlargement or modification of 21.1 miles of earthen channel, replacement and / or lengthening of 27 bridges, and recreation features including hike and bike trails, picnic facilities, sports fields, comfort stations, and parking areas.

AUTHORIZATION: Water Resources Development Act (WRDA) of 1990, and section 211 of WRDA 1996.

REMAINING BENEFIT-REMAINING COST RATIO: 2.5 to 1 at 7 percent

TOTAL BENEFIT-COST RATIO: 2.2 to 1 at 7 percent

INITIAL BENEFIT-COST RATIO: 2.97 to 1 at 7 5/8 (FY 1998)

BASIS OF BENEFIT-COST RATIO: Benefits for the total project are from the approved updated economic analysis included in the Brays Bayou Economic Update dated December 2010 with October 2010 price levels.

SUMMARIZED FINANCIAL DATA			ACCUM PCT OF EST FED COST	STATUS (1 Jan 2011)	PCT CMPL	PHYSICAL COMPLETION SCHEDULE
Estimated Federal Cost		$308,245,000		Entire Project	50%	To Be Determined
Estimated Non-Federal Cost		263,415,000				
Cash Contributions	30,571,000					
Other Costs	232,844,000					
Total Estimated Project Cost		$571,660,000		PHYSICAL DATA		
Allocations to 30 September 2008		72,566,000				
Allocation for FY 2009		5,011,000				
Allocation for FY 2010		17,277,000				
Recovery Act Allocations to Date		0				
President's Budget for FY 2011		7,740,000				
Allocation for FY 2011		7,740,000		Channel Improvements – 21.1miles		
Allocations through FY 2011		102,594,000	33%	Detention Basins - 4		
Budget for FY 2012		3,000,000	34%	Bridge replacements/modifications – 27		
Programmed Balance to Complete after FY 2012		202,651,000		Recreation facilities Hike-and-bike trails with picnic facilities, sports fields, and other day-use facilities.		
Unprogrammed Balance to Complete after FY 2012		0				

JUSTIFICATION: Brays Bayou drains about 137 square miles in the south-central portion of the Buffalo Bayou watershed. About 53,400 homes and businesses are currently subject to flooding by the Standard Project Flood (SPF), and about 25,000 of these properties would be subject to flooding by a 100-year frequency flood. On an average annual basis, stream flooding could cause nearly $46,000,000 in damages per year to existing properties. The plan would reduce the existing 100-year frequency floodplain area by about 97 percent. Average annual flood damages would be reduced by about 95 percent. The recreational development will partially satisfy existing demand in the area. Average annual benefits for recreation, annualized at a 7-3/8% interest rate and based on October 1996 prices, along with average annual benefits for flood damage prevention, annualized at a 7 % interest rate and based on October 2010 prices are as follows:

Annual Benefits	Amount
Flood Damage Prevention	$ 124,944,000
Recreation	3,132,957
Total	$ 128,076,957

FISCAL YEAR 2011: The current amount of $7,740,000 is being used to reimburse the Harris County Flood Control District (non-Federal Sponsor) for the Federal share of construction work performed during fiscal year 2011 in accord with Section 211 (f) of the Water Resources Development Act of 1996 and the associated Engineering and Design and Construction Management costs as follows.

Final Reimbursement for completed FY11 work for Discrete Segment #203	
Willow Waterhole Detention Basin	$ 801,000
Reimbursement for completed FY11 work for Discrete Segment #206	
Willow Waterhole Detention Basin	2,415,000
Initial Reimbursement for completed FY11 work for Discrete Segment #209	
Willow Waterhole Detention Basin	4,404,000
Management and Supervision	120,000
Total	$ 7,740,000

FISCAL YEAR 2012: The requested amount of $3,000,000 will be used to reimburse the Harris County Flood Control District (non-Federal Sponsor) for the Federal share of construction work performed during fiscal year 2012 in accord with Section 211 (f) of the Water Resources Development Act of 1996 and the associated Engineering and Design and Construction Management costs as follows.

Reimbursement for completed for Discrete Segment #209	
Willow Waterhole Detention Basin	$ 2,870,000
Management and Supervision	130,000
Total	$ 3,000,000

NON-FEDERAL COST & REQUIREMENTS: Brays Bayou has been identified as a demonstration project by Section 211(f) of the Water Resources Development Act of 1996 (P.L. 104-303). This Act authorized the non-Federal sponsor to accomplish the work and be subsequently reimbursed for the Federal share of completed discrete segments, in accordance with the cost sharing and financing concepts reflected in the Water Resources Development Act of 1986, as listed below:

Requirements of Local Cooperation	Payments During Construction and Reimbursements	Annual Operation, Maintenance, Repair, Rehabilitation, and Replacement Costs
Provide lands, easements, rights-of-way, and borrow and excavated or dredged material disposal areas.	81,401,000	
Modify or relocate, utilities, roads, bridges (except railroad bridges), and other facilities, where necessary for the construction of the project.	151,443,000	
Pay one-half of the separable costs allocated to recreation and bear all cost of operation, maintenance, repair, rehabilitation and replacement of recreation facilities.	3,665,000	357,300
Pay 5 percent of the costs allocated to flood control, and bear all costs of operation, maintenance, repair, rehabilitation and replacement of flood control facilities.	26,906,000	683,000
Total Non-Federal Costs	263,415,000	1,040,300

The non-Federal sponsors must also agree to make all required payments concurrently with project construction.

STATUS OF LOCAL COOPERATION: The sponsor for the flood damage reduction project is the Harris County Flood Control District. The Project Cooperation Agreement (PCA) for the flood control portion of the Upstream (Detention) Component was executed on March 3, 2000, and included the provision of Section 211, WRDA 96. Their General Reevaluation Report, dated December 2008, was submitted to the Assistant Secretary of the Army, Civil Works (ASA(CW)), and was approved April 3, 2009. An amendment to the existing PCA was executed on 31 March 2010. Harris County Flood Control District has a strong inclination to support the recreation features via strong commitments from Non-Governmental organizations.

COMPARISON OF FEDERAL COST ESTIMATES: The current Federal cost estimate of $308,245,000 is an increase of $28,000 from the latest estimate ($308,217,000) presented to Congress (FY 2011). This change includes the following items.

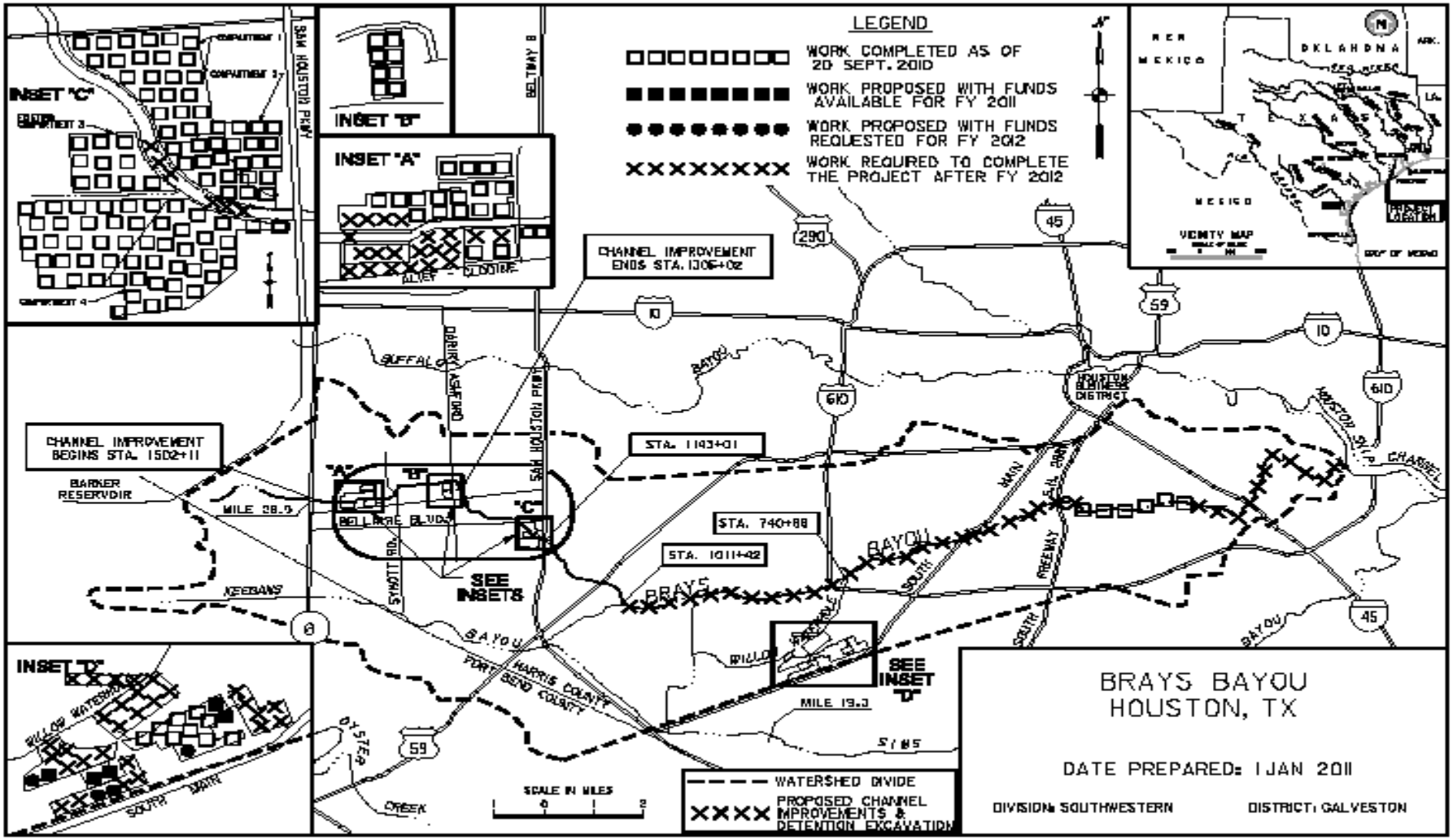
Item	Amount
Price Escalation on Construction Features	+ $ 28,000
Total	+ $ 28,000

STATUS OF ENVIRONMENTAL IMPACT STATEMENT: The Environmental Impact Statement was filed with the Environmental Protection Agency in September 1988. The Environmental Assessment (EA) for the Detention Component was completed on 3 April 1998 with the signing of the Finding of No Significant Impacts (FONSI).

OTHER INFORMATION: Funds to initiate preconstruction engineering and design were appropriated in Fiscal Year 1990, and funds to initiate construction were appropriated in Fiscal Year 1998.

The project was included in the Water Resources Development Act of 1996 (Section 211(f)(6)) as a demonstration project to show advantages and effectiveness of non-Federal interests to undertake planning, design, and construction of Federal Flood Control projects. The Harris County Flood Control District (HCFCD) will receive reimbursement upon completion and approval of discrete segments of the authorized project contingent upon the availability of funds. Each discrete segment's work will be audited prior to reimbursement. Funds being appropriated will be used to reimburse the sponsor and to pay Corps oversight costs.

Harris County experienced a major flooding event on October 15 through 16th, 2006. The HCFCD reported that completed discrete segments of the Brays Bayou project located upstream of the Sam Houston Tollway stored more than 3,500 acre-feet of water (equivalent to 1.1 billion gallons of water or 2.2 Astrodomes), which reduced residential and commercial flooding within the upper reaches of the watershed. At the time this flood event occurred only 60 percent of the 3 upstream detention basins had been completed. Upon completion of the entire project the detention basins will be constructed to hold 9,975 acre-feet of storm water.



Division: Southwestern **District: Galveston** **Project: Brays Bayou, Houston, Texas**

APPROPRIATION TITLE: Construction, General - Dam Safety Assurance.

PROJECT: Canton Lake, Oklahoma, (Dam Safety), (Continuing)

LOCATION: The project is located on the North Canadian River about 2 miles north of Canton in Blaine County, Oklahoma.

DESCRIPTION: Construction of the project was completed in May 1948. The dam consists of a rolled earth fill embankment with a gate controlled, concrete gravity chute-type spillway located in the right abutment. The outlet works consist of three sluices through the spillway weir, which are controlled by broome-type gates. The recommended plan for resolution of the dam safety deficiencies consists of anchoring the existing spillway to improve sliding stability, relocating Highway 58A, constructing an auxiliary spillway to increase the discharge capacity required during a probable maximum flood event, and placing the excavated material from the spillway excavation at the toe of the earthen dam to resolve the seismic and seepage deficiencies as an additional benefit.

AUTHORIZATION: Flood Control Act of 1938.

REMAINING BENEFIT-REMAINING COST RATIO: Not applicable.

TOTAL BENEFIT-COST RATIO: Not applicable since the project is a dam safety assurance project.

INITIAL BENEFIT-COST RATIO: Not applicable since the project is a dam safety assurance project.

BASIS OF BENEFIT-COST RATIO: Not applicable since the project is a dam safety assurance project.

SUMMARIZED FINANCIAL DATA			ACCUM. PCT. OF EST. FED. COST	STATUS (1 Jan 2011)	PERCENT COMPLETE	PHYSICAL COMPLETION SCHEDULE
Original Project				Entire Project	44%	To Be Determined
Actual Federal Cost	$ 11,210,000					
Actual Non-Federal Cost	$ 0					
Cash Contributions	0					
Total Original Project Cost	$ 11,210,000					
Remedial Works or Project Modification						
Estimated Total Appropriation Requirement		$152,865,000				
Future Non-Federal Reimbursement		5,694,000				
Estimated Federal Cost (Ultimate)		147,171,000				
Estimated Non-Federal Cost		5,694,000				
Cash	$5,694,000					
Other	$0					
Total Estimated Remedial or Modification Cost		152,865,000				
Total Estimated Project Cost		$164,075,000				
Allocations to 30 September 2008		35,528,000				
Allocation for FY 2009		20,288,000				
Allocation for FY 2010		22,911,000				
Recovery Act Allocations to Date		0				
President's Budget for FY 2011		24,334,000				
Allocation for FY 2011		24,334,000				
Allocations through FY 2011		103,061,000	67%			
Budget for FY 2012		11,100,000	75%			
Programmed Balance to Complete after FY 2012		38,704,000				
Unprogrammed Balance to Complete after FY 2012		0				

PHYSICAL DATA

Dams
- Anchor Stabilization of Existing Spillway Structure
- New Auxiliary Spillway and Channel
- New Auxiliary Spillway Bridge
- Rehabilitate Existing Spillway Bridge

Division: Southwestern **District: Tulsa** **Project: Canton Lake, Oklahoma (Dam Safety)**

JUSTIFICATION: The Dam Safety Assurance Report, approved in 2002, indicated two serious and interrelated hydrologic deficiencies occurred at the existing Canton Lake. The deficiencies included inadequate factors of safety against spillway sliding and uncontrolled embankment overtopping by the Probable Maximum Flood. In 2005 Canton was included in Screening Portfolio Risk Assessment which indicated that Canton was within the top ten percent highest at risk dams with regard to failure by uncontrolled seepage. In 2005 a Seismic Safety Review was conducted which indicated that the embankment could move during a seismic event. The population at risk is 60,000 people with potential economic losses estimated between $1.75 and $2.64 Billion.

FISCAL YEAR 2011: The requested amount of $24,334,000 will be applied as follows:

Award a fully funded contract for construction of the weir, control wet well, and hydraulic piping	21,825,000
Complete Plans and Specifications for weir and fuse gates	290,000
Initiate Plans and Specifications for phase 2 excavation (plug removal)	669,000
Construction Management (Supervision & Administration)	1,550,000
Total	$24,334,000

FISCAL YEAR 2012: The requested amount of $11,100,000 will be applied as follows:

Award fully funded contract for fuse gate and bulkhead	7,100,000
Complete Plans and Specifications for Phase 2 auxiliary channel contract	400,000
Construction Management (Supervision & Administration)	3,600,000
Total	$11,100,000

NON-FEDERAL COST: In accordance with the cost sharing and financing concepts reflected in the Water Resources Development Act of 1986, the non-Federal sponsor must comply with the requirements listed below.

Requirements of Local Cooperation	Payments During Construction	Annual Operation, Maintenance, Repair Rehabilitation and Replacement Costs
Pay 15 percent of cost assigned to project purposes in accordance with the cost allocation in effect for the project at the time of initial project construction. Water supply storage is 25.5 percent of the joint-use costs.	$ 5,694,000	0
Total Non-Federal Costs	$ 5,694,000	0

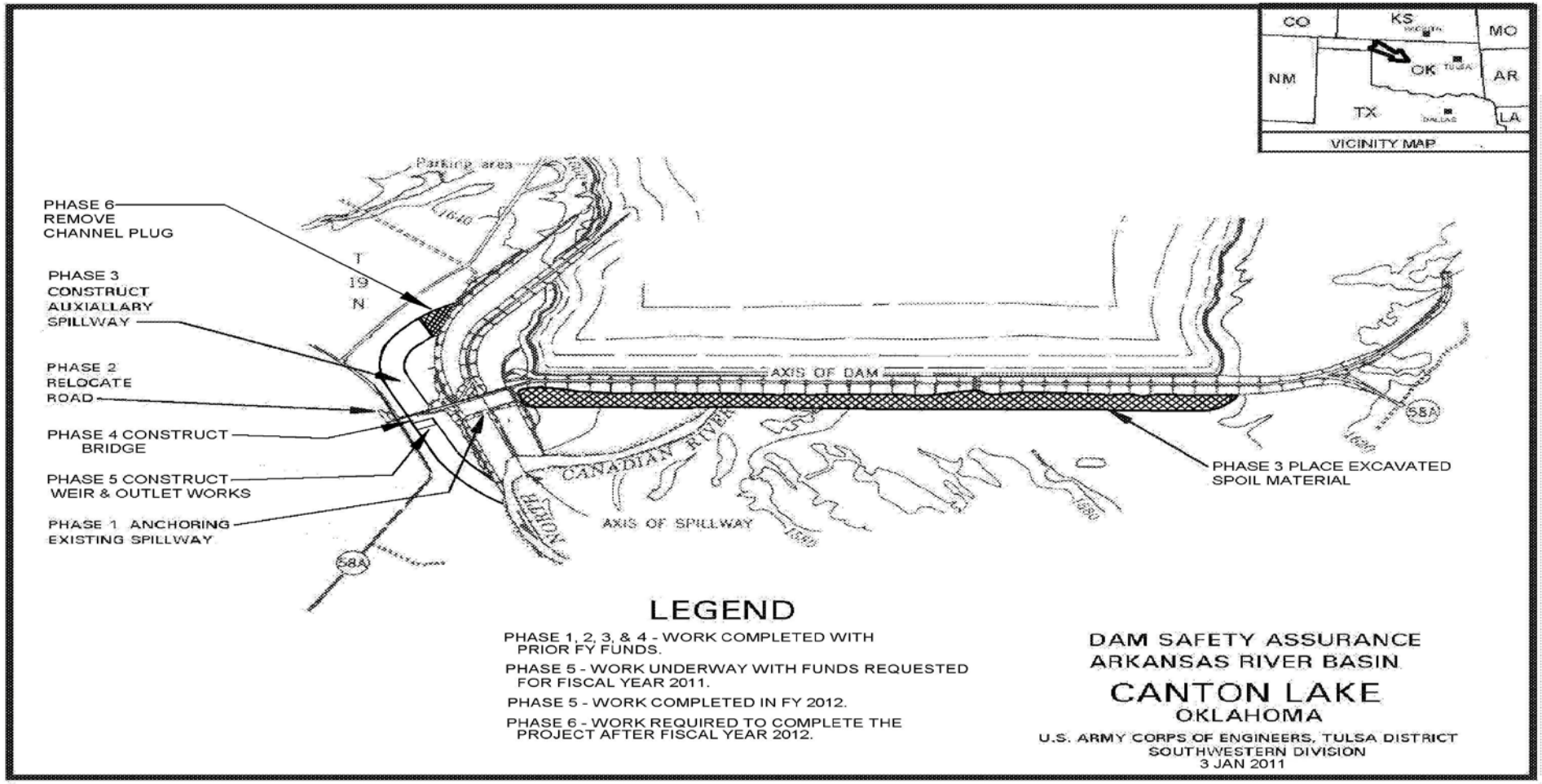
The non-Federal sponsor will reimburse its share of construction costs over a period not to exceed 30 years following completion of construction.

STATUS OF LOCAL COOPERATION: The city of Oklahoma City has 100 percent of the water supply storage under contract. Water supply storage is 25.5 percent of the joint-use costs. Reimbursement payments will be initiated at the completion of construction.

COMPARISON OF FEDERAL COST ESTIMATES: The current Federal cost estimate of $148,865,000 is not changed from the last estimate presented to Congress (FY 2010).

STATUS OF ENVIRONMENTAL IMPACT STATEMENT: Not required. The provisions of Section 404 of the Clean Water Act do not apply because the project improvements do not involve the placement of fill material or the discharge of dredge material in the waters of the United States.

OTHER INFORMATION: A Dam Safety Assurance Program Evaluation Report was approved in March 2002. Construction funds were first appropriated for this project in Fiscal Year 2003. During FY06 a seismic and seepage study was performed in addition to the Design Document Report (DDR), which required the relocation of the auxiliary spillway from the Left Abutment to the Right Abutment areas of Canton Dam due to foundation issues.



Division: Southwestern **District: Tulsa** **Project: Canton Lake, Oklahoma (Dam Safety)**

APPROPRIATION TITLE: Construction – Major Rehabilitation (Reservoirs)

PROJECT: Clearwater Lake Major Rehabilitation, Missouri (Continuing)

LOCATION: Clearwater Lake is located on the Black River in Wayne and Reynolds Counties in southeast Missouri.

DESCRIPTION: The project provides for the construction of a concrete cutoff wall along the entire length of the dam, through the impervious core trench, and into bedrock to prevent seepage and piping of materials through and under the dam. The project purpose is flood risk management and 100% of storage is for this purpose.

AUTHORIZATION: Flood Control Act of 1938 (Public Law 761, 75th Congress, 3rd Session).

REMAINING BENEFITS-REMAINING COST RATIO: Not Applicable.

TOTAL BENEFIT-COST RATIO: Not applicable since the project is a dam safety assurance project.

INITIAL BENEFIT-COST RATIO: Not applicable since the project is a dam safety assurance project.

BASIS OF BENEFIT-COST RATIO: Not applicable since the project is a dam safety assurance project.

SUMMARIZED FINANCIAL DATA		ACCUM PCT OF EST FED COST	STATUS (1 Jan 2011)	PCT CMPL	PHYSICAL COMPLETION SCHEDULE
Estimated Federal Cost	$247,846,000		Entire Project	68%	To Be Determined
Estimated Non-Federal Cost	0				
Total Estimated Project Cost	$247,846,000				

PHYSICAL DATA

Concrete Cutoff Wall approximately 1,000,000 square feet

SUMMARIZED FINANCIAL DATA		ACCUM PCT OF EST FED COST	STATUS (1 Jan 2011)	PCT CMPL	PHYSICAL COMPLETION SCHEDULE
Allocations to 30 September 2008	65,420,000				
Allocation for FY 2009	23,924,000				
Allocation for FY 2010	37,791,000				
Recovery Act Allocations to Date	40,711,000				
President's Budget for FY 2011	40,000,000				
Allocation for FY 2011	40,000,000				
Allocations through FY 2011	207,846,000	84%			
Budget for FY 2012	32,900,000	98%			
Programmed Balance to Complete after FY 2012	7,100,000				
Unprogrammed Balance to Complete after FY 2012	0				

JUSTIFICATION: Clearwater Dam has experienced seepage related issues, extending back to shortly after completion of original construction. Over the course of the dam's history, various methods have been employed to remediate or reduce seepage related issues. In spite of all these efforts and expenditures, the problem has worsened. A sinkhole developed in the upstream face of the dam in January 2003, calling into question the integrity of the dam embankment and potentially the clay core. Continuing to defer a long-term solution to the seepage problem increases the risk of a dam failure. Noteworthy is the fact that conditions of earth dams have the potential to deteriorate quickly, with little evidence. Continuing to utilize O&M funding to monitor and band-aid the problem is no longer viable. The area that would be affected by a dam failure primarily extends from the dam downstream to Poplar Bluff, MO. If dam failure occurs, there would be very little warning time before Piedmont, MO is cutoff and inundation begins; adverse impacts to Poplar Bluff, MO would occur within one day. The limited state highways follow the valley where flooding will occur, making egress and response assistance to the population at risk very difficult. Many smaller towns affected by flooding have only one egress route. The rural nature of the area makes emergency notification difficult. Failure of Clearwater Dam would negate the benefits for which the project was originally approved. The risk-based economic analysis indicates property damages of up to $200,000,000 and potentially 369 deaths. Clearwater Lake is an important economic resource for the area, primarily through recreational usage. Failure of the dam and loss of the lake would result in the loss of its economic value to the area. Though residents might return to salvage their property following a failure, decreased property values, loss of jobs, income losses, and loss of wealth due to flood induced expenses would have negative economic effects. Average annual benefits are as follows:

FISCAL YEAR 2011: The allocated amount of $40,000,000 is being applied as follows:

Continue Construction of Cutoff Wall – Phase II	$37,000,000
Complete Repair of Under Drainage System	500,000
Engineering and Design	1,000,000
Construction Management	1,500,000
Total	$40,000,000

FISCAL YEAR 2012: The requested amount of $32,900,000 will be applied as follows:

Complete Construction of Cutoff Wall – Phase II	$30,000,000
Revise Water Control Plan	400,000
Engineering and Design	1,000,000
Construction Management	1,500,000
Total	$32,900,000

NON-FEDERAL COST: This major rehabilitation project is 100% federally funded.

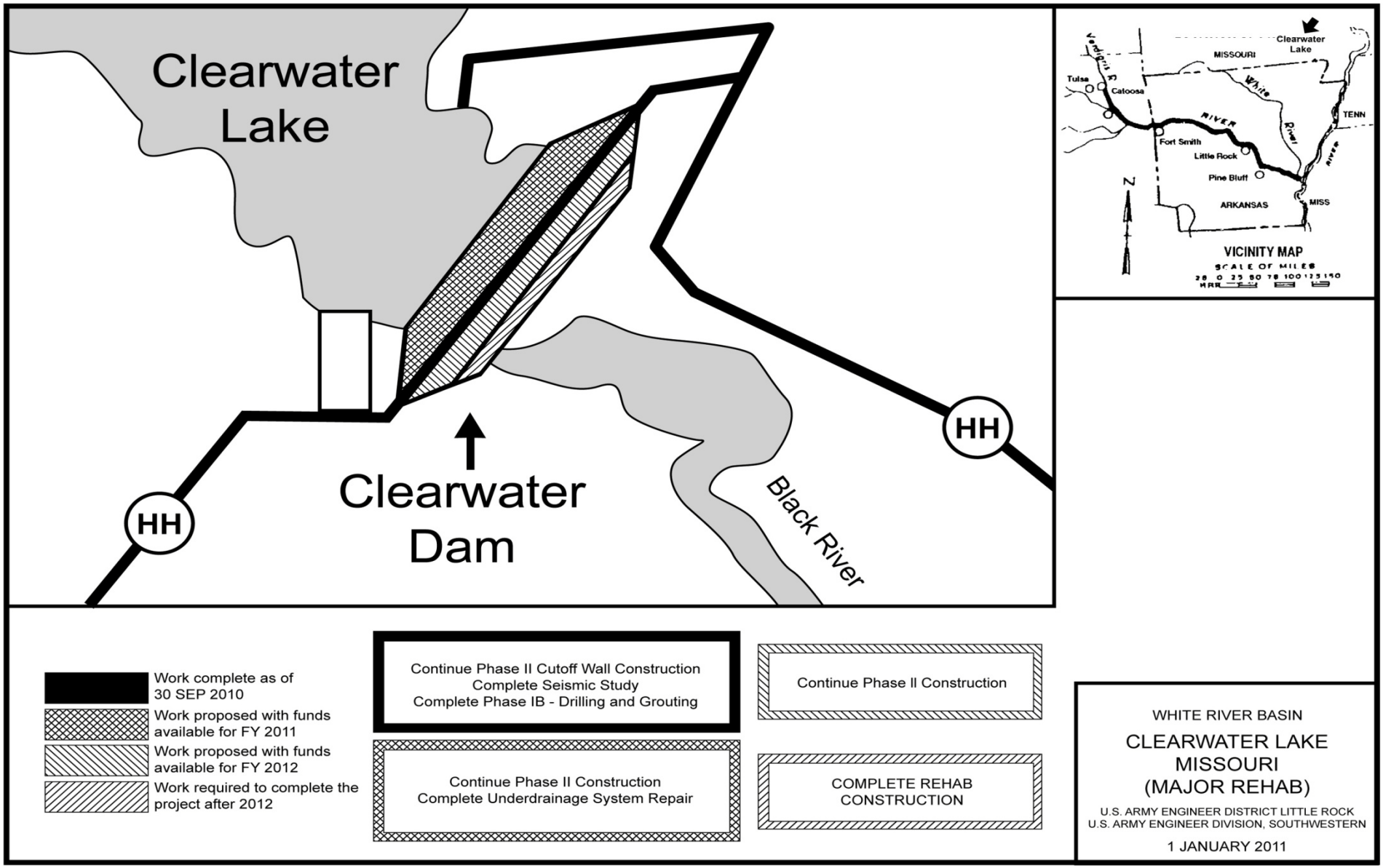
STATUS OF LOCAL COOPERATION: There are no cost sharing or repayment requirements applicable to this project.

COMPARISON OF FEDERAL COST ESTIMATES: The current Federal cost estimate of $247,846,000 is an increase of $3,158,000 from the latest estimate ($244,688,000) presented to Congress (FY 2010). This change includes the following items.

Item	
Price De-escalation on Construction Features	-$ 4,631,000
Design Changes	1,000,000
Post Contract Award and Other Estimating Adjustments	6,789,000
Total	$3,158,000

STATUS OF ENVIRONMENTAL IMPACT STATEMENT COMPLIANCE: An environmental assessment of the project was completed in May 2004, with signature of the Finding of No Significant Impact in June 2004.

OTHER INFORMATION: The Major Rehabilitation Report was submitted in June 2004 and approved by the Assistant Secretary of the Army for Civil Works in August 2004. Funds to initiate construction were appropriated in Fiscal Year 2006. A Phase I and Ib drilling and grouting program to identify and treat subsurface features that would ultimately impact construction of the cutoff wall, as well as refine the parameters of the cutoff wall was implemented. The Phase I contract was awarded in January 2006, and completed in October 2007. A second Phase I contract, Phase Ib – Completion of Exploratory Drilling and Grouting, was awarded in August 2007 with NTP in October 2007. The construction notice to proceed was issued on the Phase II cutoff wall contract in May 2009. A preliminary seismic evaluation of the dam for the operating basis earthquake was conducted during the design of Phase I. Additional evaluation of the dam for the maximum credible earthquake is necessary to determine if the dam meets Corps dam safety criteria, which is being conducted concurrent with the cutoff wall project.



Division: Southwestern

District: Little Rock

Project: Clearwater Lake Major Rehabilitation

APPROPRIATION TITLE: Construction – Flood Risk Management

PROJECT: Onion Creek, Lower Colorado River Basin, TX (Continuing)

LOCATION: Onion Creek, Lower Colorado River Basin, Texas, is located in southern Travis and northern Hays counties in Texas.

DESCRIPTION: The project consists of implementing non-structural flood risk management measures at Timber Creek in Travis County and Onion Creek Forest/Yarrabee Bend in Austin, Texas. The Timber Creek element includes the acquisition and removal of approximately 81 residential structures from the 4 percent annual chance of exceedance (25-year) floodplain. The vacated land will be utilized for recreation and ecosystem restoration, with approximately 40 acres of the vacated land converted to a park and 16 acres restored to riparian woodlands. Recreation features include 20 picnic shelters, 8 small group shelters, 1 large group shelter, 5,300 feet of unpaved trails and 1,200 feet of paved 10 foot wide trails, 2 basketball courts, one waterborne restroom, 12,000 square feet of parking, and the infrastructure associated with these facilities. The Onion Creek Forest/Yarrabee Bend element includes the acquisition and removal of approximately 410 residential structures from the 4 percent annual chance of exceedance (25-year) floodplain. The vacated land will be utilized for recreation and ecosystem restoration, with approximately 100 acres of the vacated land converted to a park, and 190 acres restored to riparian woodlands. Recreational features include 32 picnic shelters, 32 small group shelters, 1 large group shelter, 7,860 feet of unpaved trails and 9,680 feet of paved 10 foot wide trails (including 1 footbridge), 7,400 feet of equestrian trails, 4 basketball courts, 2 tennis courts, 19 volleyball courts, one waterborne restroom, 20,000 square feet of parking, and the infrastructure associated with these facilities.

AUTHORIZATION: Water Resources Development Act of 2007, Section 1001 (43) and Section 5144.

REMAINING BENEFIT-COST RATIO: 1.7 to 1 at 7 percent.

TOTAL BENEFIT-COST RATIO: 1.7 to 1 at 7 percent.

BASIS OF BENEFIT-COST RATIO: Economic Analysis as shown in the Chief of Engineers Report dated 31 December 2006.

SUMMARIZED FINANCIAL DATA			ACCUM. PCT OF EST FED COST	STATUS (1 Jan 2011)	PERCENT COMPLETE	PHYSICAL COMPLETION SCHEDULE
Estimated Federal Cost		$50,221,000		Entire Project	1%	To Be Determined
Estimated Non-Federal Cost		29,065,000				
Cash Contributions	4,287,000					
Other Costs	24,778,000					
Total Estimated Project Cost		$79,286,000				
				PHYSICAL DATA		
Allocations to 30 September 2008		75,000				
Allocation for FY 2009		375,000		Timber Creek		
Allocation for FY 2010		0		Acquisition of approximately 81 structures		
Recovery Act Allocations to Date		0		Construction of 40 acre park		
President's Budget for FY 2011		10,000,000		Ecosystem restoration of 16 acres		
Allocation for FY 2011		0	1/	Onion Creek Forest/Yarrabee Bend		
Allocations through FY 2011		450,000		Acquisition of 410 residential structures		
Budget for FY 2012		5,000,000		Construction of 100 acre park		
Programmed Balance to Complete after FY 2012		44,771,000		Ecosystem restoration of 190 acres		
Unprogrammed Balance to Complete after FY 2012		0				

1/ This project is ineligible to receive an FY 2011 Continuing Resolution (CR) allocation.

JUSTIFICATION: Onion Creek watershed, which has an area of approximately 343 square miles, is located in southern Travis and northern Hays counties in Texas. Significant flood events were experienced in 1998 and 2001, with hundreds of homes being inundated and many totally destroyed. These events highlighted the fact that annualized flood damages within the watershed are estimated at over $5 million, based on August 2006 estimates. A project has been authorized for Onion Creek which will significantly reduce damages and risk to life and property. In addition, the Onion Creek area will benefit from additional ecosystem restoration and recreational features placed on land vacated as a result of the removal of structures from the highly flood prone areas. The non-Federal sponsors consider this project to be of such urgency that advanced land acquisition and construction has been initiated without any assurances of continued Federal participation.

Annual Monetary Benefits	Amount
Flood Risk Management	$3,010,000
Recreation	3,130,000
Total	$6,140,000

Ecosystem Restoration – net increase of approximately 86 Average Annual Habitat Units

FISCAL YEAR 2011: There are no scheduled activities in FY 2011.

FISCAL YEAR 2012: The budget amount will be applied as follows:

Continue acquisition and removal of the 410 residential structures located along Onion Creek Forest/Yarrabee Bend	$2,375,000
Continue acquisition and removal of the 81 residential structures along Timber Creek	2,375,000
Engineering and Design	175,000
Supervisory and Administration	75,000
Total	$5,000,000

NON-FEDERAL COST: In accordance with the cost sharing and financing concepts reflected in the Water Resources Development Act of 1986, as modified by the Water Resources Development Act of 1996, the non-Federal sponsor must comply with the requirements listed below:

Requirements of Local Cooperation	Payments During Construction and Reimbursements	Annual Operation, Maintenance, Repair, Rehabilitation, and Replacement Costs
Provide lands; easements; rights-of-way; relocation payments and assistance to displaced persons; disposal areas for borrow and excavated or dredged material; and modify or relocate utilities, roads, bridges, and other facilities, where necessary for the construction of the project.	$68,093,000	$230,000
Modify and relocate/reconstruct utilities, roads, bridges and other facilities, where necessary for the construction of the project.	0	
Pay one-half of the separable costs allocated to recreation (except recreation Navigation) and bear all cost of operation, maintenance, repair, rehabilitation and replacement of recreation facilities. Includes betterments for recreation.	2,409,000	
Cash reimbursement to sponsor sufficient to limit the sponsor's contribution to the maximum amount set by law.	(41,437,000)	
Total Non-Federal Costs	$29,065,000	$230,000

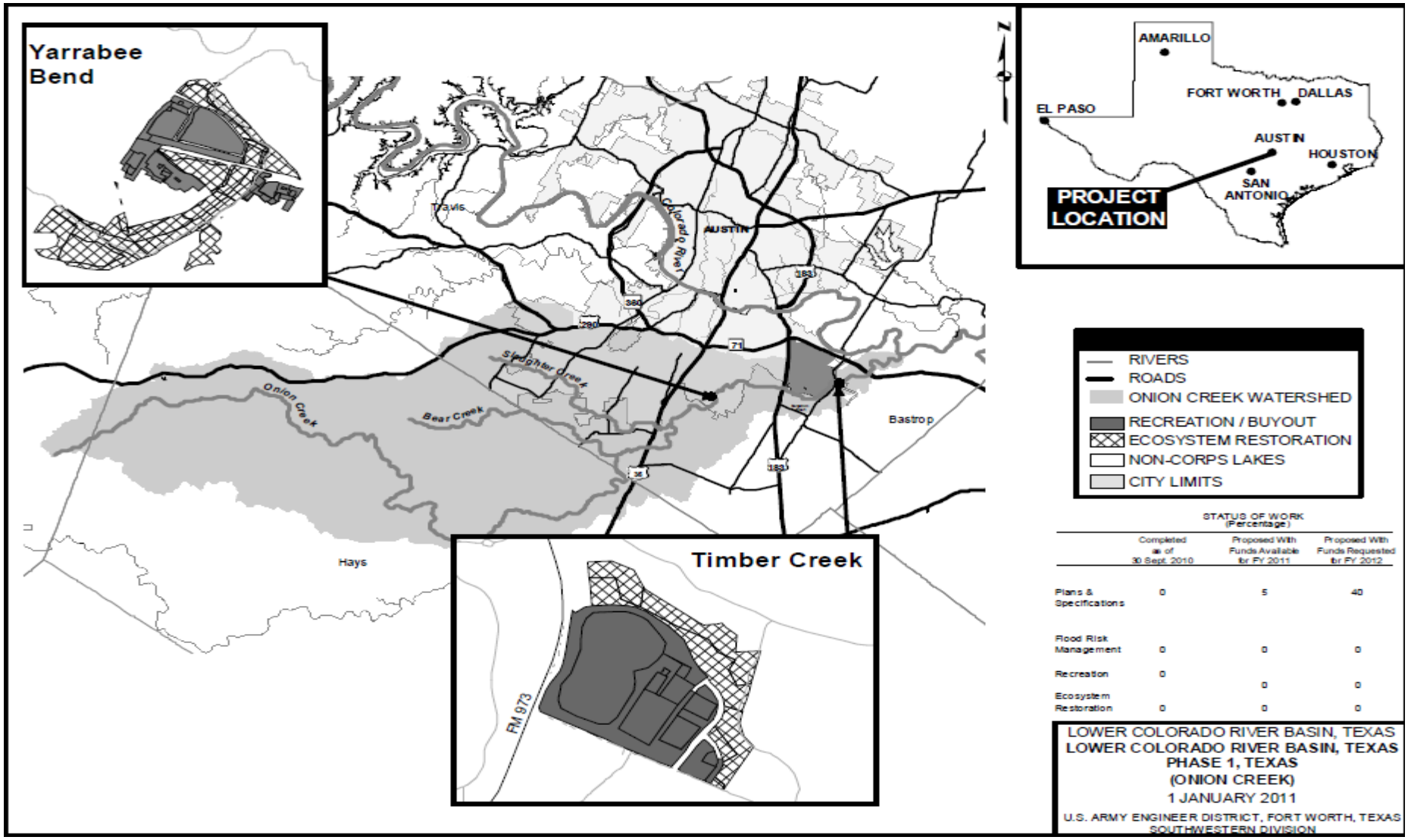
The non-Federal sponsor will make all required payments concurrently with project construction.

STATUS OF LOCAL COOPERATION: The city of Austin and Travis County have each indicated their intention to act as the local sponsor for the segment within their jurisdictional area, and will fund the non-Federal portion of this project. The city of Austin and Travis County will collectively contribute approximately 37 percent of the total project costs of the Onion Creek component, primarily through land acquisition, as well as receipt of credit for prior project activities authorized by the Water Resources Development Act of 2007, Section 5144. The Project Partnership Agreement (PPA) for the Timber Creek element is scheduled to be executed in March 2012. The PPA for the Onion Creek Forest/Yarrabee Bend element is scheduled to be executed in March 2012.

COMPARISON OF FEDERAL COST ESTIMATES: The current Federal (Corps of Engineers) cost estimate has previously been presented to Congress. This estimate is based on costs presented in the Chief of Engineers Report dated 31 December 2006.

STATUS OF ENVIRONMENTAL IMPACT STATEMENT COMPLIANCE: An Environmental Assessment was conducted and a Finding of No Significant Impact (FONSI) was prepared as part of the required documentation for compliance with the National Environmental Policy Act. The FONSI was executed on 10 October 2006.

OTHER INFORMATION: The Chief of Engineers' Report was signed on 31 December 2006. Section 5144 of the Water Resources Development Act of 2007 authorized the Secretary to include the costs and benefits associated with the relocation of flood-prone residences in the study area in the period beginning two years before the date of initiation of the feasibility study (Feasibility Cost Sharing Agreement executed on 25 May 2000) and ending on the date of execution of the partnership agreement for construction of the project, to the extent the Secretary determines that such relocations are compatible with the authorized project. This section also directs the Secretary to afford credit toward the non-Federal share of the project for the cost of relocation of residences that were incurred by the non-Federal interest. A Limited Reevaluation Report (LRR) is being developed to identify the scope of the project that incorporates any residences that were removed by non-Federal interests.


Yarrabee Bend
Timber Creek
Travis
Hays
AUSTIN
Bastrop
Onion Creek
Bear Creek
Slaughter Creek
Colorado River
RM 973
AMARILLO
FORT WORTH
DALLAS
EL PASO
AUSTIN
HOUSTON
SAN ANTONIO
PROJECT LOCATION
RIVERS
ROADS
ONION CREEK WATERSHED
RECREATION / BUYOUT
ECOSYSTEM RESTORATION
NON-CORPS LAKES
CITY LIMITS
STATUS OF WORK (Percentage)
Completed as of 30 Sept. 2010
Proposed With Funds Available for FY 2011
Proposed With Funds Requested for FY 2012
Plans & Specifications 0 5 40
Flood Risk Management 0 0 0
Recreation 0 0 0
Ecosystem Restoration 0 0 0
LOWER COLORADO RIVER BASIN, TEXAS
LOWER COLORADO RIVER BASIN, TEXAS
PHASE 1, TEXAS
(ONION CREEK)
1 JANUARY 2011
U.S. ARMY ENGINEER DISTRICT, FORT WORTH, TEXAS
SOUTHWESTERN DIVISION

NAVIGATION

INVESTIGATIONS

Study		Total Estimated Federal Cost $	Allocation Prior to FY 2009 $	Allocation FY 2009 $	Allocation FY 2010 $	Allocation FY 2011 $	Tentative Allocation FY 2012 $	Additional to Complete After FY 2012 $
Brazos Island Harbor, TX	Annual Allocations	5,008,000	1,786,000	478,000	538,000	726,000	726,000	754,000
Galveston District	ARRA Allocations			0				
	Total Allocations	5,008,000	1,786,000	478,000	538,000	726,000	726,000	754,000

The Brazos Island Harbor project provides deep draft access from the Gulf of Mexico through a jettied entrance channel to Brownsville, TX, a side channel, authorized to 36 feet, and shallow draft Fishing Boat Harbor near Port Isabel. The project is 22.8 miles in length. The authorized depths are 42 feet for the main channel and 44 feet through the jetties outer bar. The purpose of the study is navigation. The study consists of assessing the feasibility of enlarging the existing Brazos Island Harbor Channel by deepening the entrance channel, jetty channel, and the lower section of the main channel to 48 feet and the upper section of the main channel and turning basin to 45 feet. The study will also address increasing channel dimensions in order to serve offshore rigs presently operating in the U.S. Gulf Coast. Increased port traffic is a direct result of the North American Free Trade Agreement (NAFTA), as a majority of the increased traffic meets industrial needs in Mexico. The Port of Brownsville is the only U.S. deep draft port available to the industry along the U.S. – Mexico border. Port activities include offshore rig construction, ship repair and dismantling, steel fabrication, rail car rehabilitation, liquid petroleum gas storage/distribution, chemical and miscellaneous liquid, steel products and ore minerals offloading, and grain handling and storage. Total tonnage in the port increased from 1,829,000 tons in 1992 to 5,700,000 tons in 2008. Foreign imports, primarily in-transit cargo, have been the primary driver for growth, while domestic movements remain relatively constant. In 2008, the foreign trade increased 30.3 percent from the previous year. In 2002, 73 percent of inbound cargo was in-transit to Mexico. Iron ore, iron, and steel products, and other metal ores and products dominate the inbound foreign cargo. The study is located in the area of the Laguna Madre, a pristine aquatic and marine life habitat. The area also serves as a feeding and breeding area for colonial and migratory birds. In anticipation of project construction, authorization was received in the FY 2003 Consolidation Appropriations Act to credit work proposed to be accomplished by the Port of Brownsville for restoration of the Bahia Grande as wetland areas for mitigation against the non-Federal costs of deepening the channel, if it is determined to be integral to the project. The proposal would achieve improved flow and enhanced circulation associated with a wider and deeper channel. This would be especially beneficial with respect to tidal flow and circulation patterns for protected rookery island, and in San Martin Lake. The non-Federal Sponsor is the Port of Brownsville. The Feasibility Cost Share Agreement (FCSA) was executed in June 2006.

Fiscal Year 2011 funds are being used to identify the Recommended Plan. The funds requested for Fiscal Year 2012 will be used to complete the Draft Feasibility Report. The estimated cost of the feasibility phase is $9,722,000, which is to be shared on a 50-50 percent basis by Federal and non-Federal interests. A summary of the study cost is as follows:

Total Estimated Study Cost	$9,869,000
Reconnaissance Phase (Federal)	147,000
Feasibility Phase (Federal)	4,861,000
Feasibility Phase (Non-Federal)	4,861,000

The reconnaissance phase was completed in June 2006 with the execution of the Feasibility Cost Sharing Agreement**.** The completion date for the feasibility study is to be determined.

Study		Total Estimated Federal Cost $	Allocation Prior to FY 2009 $	Allocation FY 2009 $	Allocation FY 2010 $	Allocation FY 2011 $	Tentative Allocation FY 2012 $	Additional to Complete After FY 2012 $
Gulf Intracoastal Waterway -	Annual Allocations	2,255,000	238,000	191,000	170,000	200,000	200,000	1,256,000
High Island to Brazos	ARRA Allocations			0				
River (Realignments), TX	Total Allocations	2,255,000	238,000	191,000	170,000	200,000	200,000	1,256,000
Galveston District								

The study area includes approximately 85 miles of the Gulf Intracoastal Waterway (GIWW) in Galveston and Brazoria Counties, from High Island, Texas, to the Brazos River. Tonnage transported along this section of the GIWW totaled nearly 59 million tons in 2007, with a commercial value exceeding 15 billion dollars and includes petrochemicals as the major commodity shipped. The GIWW High Island to Brazos reconnaissance study completed in February 1995 concluded that modifications to the existing GIWW were economically feasible from reduction in delay benefits. Investigations to identify potential solutions to resolve the navigation issues along this reach of the GIWW have been divided into two interim feasibility studies. The first interim feasibility report GIWW High Island to Brazos River, which was completed in April 2004, identified solutions to navigation problems at Sievers Cove and the Texas City Channel (West Wye). This work was authorized in section 1001(42) of the Water Resources Development Act of 2007. The second interim feasibility report will include evaluation of navigation improvements in negotiating two 90-degree bends near High Island (High Island Bends) associated with transit delays at Rollover Pass and developing long-range placement area plans; difficulties negotiating a double “S” curve near Freeport (Freeport Wiggles); and difficulties negotiating the intersection within the Chocolate Bayou Channel (Chocolate Bayou Wye). The GIWW is designated as part of the Nation’s Inland Waterway System, and qualifies for 50-50 cost sharing from the Inland Waterways Trust Fund for construction of navigation improvements. An initial appraisal of the entire 423-mile Texas Section of the GIWW was completed in November 1989.

Fiscal Year 2011 funds are being used to conduct detailed economic, engineering, environmental, and plan formulation for the High Island Bends. The funds requested for Fiscal Year 2012 will be used to complete the feasibility study for the High Island Bends, and to conduct detailed economic, engineering, environmental, and plan formulation for Chocolate Bayou Wye and Freeport Wiggles.

The interim feasibility study for High Island Bends is scheduled for completion in September 2012. Completion dates for the interim feasibility studies, Chocolate Bayou Wye and Freeport Wiggles, are to be determined.

AQUATIC ECOSYSTEM RESTORATION

INVESTIGATIONS

Study		Total Estimated Federal Cost $	Allocation Prior to FY 2009 $	Allocation FY 2009 $	Allocation FY 2010 $	Allocation FY 2011 $	Tentative Allocation FY 2012 $	Additional to Complete After FY 2012 $
Nueces River and Tributaries, TX	Annual Allocations	6,001,000	1,955,000	574,000	368,000	250,000	650,000	2,204,000
Fort Worth and Galveston Districts	ARRA Allocations			0				
	Total Allocations	6,001,000	1,955,000	574,000	368,000	250,000	650,000	2,204,000

The Nueces River basin, which lies in the southern part of Texas, has an overall length of approximately 235 miles, a maximum width of 115 miles, and a total drainage area of 17,075 square miles. The Nueces River flows in a southeasterly direction and enters Nueces Bay near Corpus Christi, Texas. The watershed includes portions of three major aquifers – the Edwards, Carrizo-Wilcox, and Gulf Coast. Poor land use practices, recent near-record droughts, and conflicting water resource management issues have resulted in significant environmental degradation. Limited freshwater inflows into the Nueces estuary system as a result of construction and operation of two upstream reservoirs have resulted in hyper-saline conditions that have severely diminished the habitat suitability of approximately 20,000 acres of the Nueces Delta. In addition, the lowering of water levels in the Edwards Aquifer due to drought conditions and water pumpage has reduced spring flows from the San Marcos and Comal Springs causing degradation of rare and unique habitats, which threatens the continued existence of seven endangered (E) and one threatened (T) species endemic to these habitats, including Fountain Darter, *Etheostoma fonticola (E);* Texas Blind Salamander, *Typhlomolge rathbuni (E)*; San Marcos Gambusia, *Gambusia georgei (E);* Texas Wild Rice, *Zinania texana(E)*; Comal Springs Riffle Beetle, *Heterelmis comalensis (E)*; Comal Springs Dryopid Beetle, *Stygoparmus comalensis (E);* Peck's Cave Amphipod, *Stygobromus pecki (E)*; and San Marcos Salamander, *Eurycea nana (T)*. The Edwards Aquifer, the major source of water for the City of San Antonio and Bexar County metropolitan areas, accounts for about 20 percent of the basin and is recognized as having high potential for groundwater recharge. During a Nueces River basin feasibility study workshop held on 10 June 2007, which was attended by over 50 individuals representing 20 Federal, state and local water and environmental resource agencies, all parties agreed that efforts to model the hydraulics and hydrology and the significant ecosystems of the Nueces watershed are extremely important, not only for the watershed study, but also for the region and Texas' State Water Planning efforts, including development of environmental flow parameters for protection of riverine and bay and estuary aquatic ecosystems.

Potential solutions include modification of systems operations of Choke Canyon Reservoir and Lake Corpus Christi as well as augmentation of water supply to allow increased fresh-water to be passed through the system into the Nueces Delta; implementation of recharge structures to increase water levels in the Edwards Aquifer allowing for increased spring-flow to benefit sensitive spring habitats that support endemic threatened and endangered species; grading and structural modifications to existing impediments in the delta to help reestablish historical fresh and salt water marsh elevations; recontouring of altered river/delta bathymetry to help restore wetland and shallow water elevations; and placement of breakwaters to help protect the delta face from erosion losses caused by wave action. The study sponsors are the Nueces River Authority, San Antonio Water System, San Antonio River Authority, Guadalupe-Blanco River Authority and the City of Corpus Christi, Texas. The Feasibility Cost Sharing Agreement was signed on 24 September 2004.

Fiscal Year 2011 funds are being used to complete the development of the mid and lower basins hydrologic and hydraulic models and continue work on the Nueces delta ecological models. The funds requested for Fiscal Year 2012 will be used to complete development of the hydro-dynamic and ecological model of the delta; complete modeling of the Leona Gravels area, and initiate development of the Feasibility Scoping Meeting (FSM) package, including an assessment of without project conditions. The estimated cost of the feasibility phase is $11,602,000, which is to be shared on a 50-50 percent basis by Federal and non-Federal interests. A summary of study cost sharing is as follows:

Total Estimated Study Cost	$11,802,000
Reconnaissance Phase (Federal)	200,000
Feasibility Phase (Federal)	5,801,000
Feasibility Phase (Non-Federal)	5,801,000

The completion date for the Nueces River and Tributaries, TX feasibility study is to be determined.

Study		Total Estimated Federal Cost $	Allocation Prior to FY 2009 $	Allocation FY 2009 $	Allocation FY 2010 $	Allocation FY 2011 $	Tentative Allocation FY 2012 $	Additional to Complete After FY 2012 $
Sabine Pass to Galveston Bay, TX	Annual Allocations	6,164,000	2,629,000	382,000	170,000	200,000	200,000	2,583,000
Galveston District	ARRA Allocations			0				
	Total Allocations	6,164,000	2,629,000	382,000	170,000	200,000	200,000	2,583,000

The study area consists of approximately 90 miles of Gulf of Mexico shoreline in Jefferson, Chambers, and Galveston Counties along the upper Texas coast from Sabine Pass to San Luis Pass at the western end of Galveston Island. In the entire study area, over 200 houses and up to 40,000 people are affected by shore erosion. The major problems identified in the reach to the north of Galveston Bay are potential destruction of approximately 80,000 acres of nationally significant fresh and brackish water wetlands; damage to homes and commercial property; and significant damage to State Highway 87, caused by shoreline erosion. Interest has been expressed in a project to stabilize the shoreline to protect the nationally significant fresh and brackish water wetlands and other resources. The study area includes restoring or protecting the Piping Plover critical habitat and Kemp's Ridley sea turtle nesting habitat, both endangered species. Texas coast is critical to Central and Mississippi Flyways, bird migration routes. 50 percent of all US migratory birds depend on Texas wetlands and other coastal habitats. The area traverses 12 miles of the 81,700-acre McFaddin Marsh National Wildlife Refuge and approximately 2-1/2 miles of the 15,100-acre Sea Rim State Park. Sea Rim State Park is located in the easterly portion of the study area, approximately 10 miles west of Sabine Pass with McFaddin Marsh Refuge immediately to the west. Along the Galveston Island, Texas reach of the study area, erosion rates in excess of 8 feet per year are occurring beyond the limits of the seawall in Galveston, Texas. This erosion, if continued, will result in damages to several beach communities. It has been demonstrated that an economically feasible project could be developed as a result of studies completed in the mid-1980s for a Galveston Island Beach Erosion Study. A number of alternatives have been proposed, including beach nourishment and stone protection. After the passage of Hurricane Ike in September 2008, the study area was assessed and it was determined that the entire area was significantly altered both physically and economically. Due to the impacts of Hurricane Ike to the infrastructure along the Texas coast, the State of Texas has initiated steps to conduct a collaborative, comprehensive, and integrated analysis of the entire Texas Coast to develop a full range of flood damage reduction, coastal restoration, ecosystem restoration, and hurricane storm damage reduction measures (to include non-structural measures). The State of Texas established the Gulf Coast Community Protection and Recovery District (GCCPRD) to coordinate activities between Orange, Jefferson, Galveston, Harris, Chambers, and Brazoria Counties along the upper Texas coast. The non-Federal Sponsors for the project are Galveston and Jefferson Counties. The Feasibility Cost Sharing Agreement was executed on 6 September 2001.

Fiscal Year 2011 funds are being used to continue the feasibility phase of the study to include reanalysis of the "post Hurricane Ike" without project conditions, the geophysical investigations, the storm damages model and environmental baseline report. The funds requested for Fiscal Year 2012 will be used to continue the feasibility phase of the study. The estimated cost of the feasibility phase is $12,158,000, which is to be shared on a 50-50 percent basis by Federal and non-Federal interests. A summary of study cost sharing is as follows:

Total Estimated Study Cost	$ 12,243,000
Reconnaissance Phase (Federal)	85,000
Feasibility Phase (Federal)	6,079,000
Feasibility Phase (Non-Federal)	6,079,000

The feasibility study completion date is to be determined.

CONSTRUCTION

APPROPRIATION TITLE: Construction, General - Channels and Harbors (Ecosystem Restoration)

PROJECT: Houston-Galveston Navigation Channels, TX (Continuing)

LOCATION: The project is located in the Galveston Bay system in Harris and Galveston Counties, Texas.

DESCRIPTION: The total general navigation features of the project provides for a 45-foot project by enlarging the Houston Ship Channel to a depth of 45 feet and a width of 530 feet, and the Galveston Channel to a depth of 45 feet over a width which varies between 650 and 1112 feet, and deepening the entrance channel to the Galveston Harbor and Channel to 47 feet over its original 800-foot width and 10.5 mile length, and extending the channel an additional 3.9 miles to the 47-foot bottom contour in the Gulf of Mexico along the existing alignment. One hundred seventy two (172) acres of oyster cultch (118 acres for the Main Channel and 54 acres for the Barge Lanes) have been placed as a mitigation feature to provide substrate for oysters to grow. The ecosystem restoration features of the project include beneficial use of dredged material to construct 2,850 acres of marsh in Galveston Bay located at Bolivar (990 acres) and Atkinson Island (1,852 acres); and construction of a 6 acre Bird Island in Galveston Bay.

AUTHORIZATION: Water Resources Development Act (WRDA) of 1996. Energy and Water Development Appropriations Act, 2001, as enacted by Section 1(a)(2) of P.L. 106-377 (Barge lanes).

REMAINING BENEFIT- REMAINING COST RATIO: Houston Ship Channel: 4.3 to 1 at 7 percent; Galveston Harbor and Channel: 7.1 to 1 at 7 percent.

TOTAL BENEFIT-COST RATIO: Entire project: 1.9 to 1 at 7 percent (Authorized Project with Barge Lanes); Galveston Harbor and Channel: 1.6 to 1 at 7 percent.

INITIAL BENEFIT-COST RATIO: Entire Project: 1.8 to 1 at 7 5/8 percent (FY 1996)

BASIS OF BENEFIT-COST RATIO: For the Houston Ship Channel, benefits and costs are from the Limited Reevaluation Report and Supplemental Environmental Statement dated May 1996. The Galveston Harbor and Channel benefits and costs are based on the Limited Reevaluation Report dated May 2007, approved June 2007.

SUMMARIZED FINANCIAL DATA			ACCUM. PCT. OF EST FED. COST
Estimated Appropriation Requirement (CoE)		621,463,000	
Programmed Construction	621,463,000		
Unprogrammed Construction	0		
Estimated Appropriation Requirement (OFA)		7,203,000	
Programmed Construction	7,203,000		
Unprogrammed Construction	0		
Estimated Appropriation Requirement		628,666,000	
Programmed Construction	628,666,000		
Unprogrammed Construction	0		
Future Non-Federal Reimbursement		47,333,000	
Programmed Construction	47,333,000		
Unprogrammed Construction	0		
Estimated Federal Cost (Ultimate) (CoE)		574,130,000	
Programmed Construction	574,130,000		
Unprogrammed Construction	0		
Estimated Non-Federal Cost		217,574,000	
Programmed Construction	217,574,000		
Cash Contributions	182,581,000		
Other Costs:			
Berthing Facilities	11,347,000		
Lands and Relocations	1,248,000		
Credit	22,398,000		
Unprogrammed Construction	0		
Cash Contributions	0		
Other Costs	0		
Total Estimated Programmed Construction Cost		846,240,000	
Total Estimated Unprogrammed Construction Cost		0	
Total Estimated Project Cost		846,240,000	

PHYSICAL STATUS (1 Jan 2011)	PERCENT COMPLETE	COMPLETION SCHEDULE
Houston Ship Channel Const.	100 %	September 2005
Galveston Channel Const.	100 %	September 2011
Ecosystem Restoration	64 %	To be Determined
Entire Project	94 %	To be Determined

PHYSICAL DATA – Total Project

Channels:
- Houston Ship Channel – 39.2 miles
- Galveston Channel – 3.8 miles
- Galveston Harbor Channel–14.4miles
- Barge Lanes – 26 miles

Beneficial use of Dredged Material
- Marsh – 2,850 acres
- Bird Nesting Island – 6 acres
- Redfish Island – 6 acres
- Offshore Underwater Berm

Mitigation (Oyster Cultch)
- Main Channel – 118 acres
- Barge Lanes – 54 acres

SUMMARIZED FINANCIAL DATA (Continued)

		ACCUM. PCT. OF EST FED. COST
Allocations to 30 September 2008	382,463,000	
Allocation for FY 2009	29,244,000	
Allocation for FY 2010	242,000	
Recovery Act Allocations to Date	75,196,000	
President's Budget for FY 2011	0	
Allocation for FY 2011	0	
Allocations through FY 2011	487,145,000	78%
Budget for FY 2012	600,000	78%
Programmed Balance to Complete after FY 2012	133,718,000	
Unprogrammed Balance to Complete after FY 2012	0	

JUSTIFICATION: The ecosystem restoration features of the project include 2,850 acres of marsh at Bolivar and Atkinson Island, and construction of Bird Nesting Island (6 acres). The specific habitats to benefit from the restoration are bird nesting habitats, intertidal emergent wetlands, and oyster reef. The marsh habitats are critical to Galveston Bay ecosystem. As much as 30% (45,000 acres) of estuarine emergent wetlands in Galveston Bay have been lost due to subsidence and development. These features create a large corridor of intertidal marsh throughout the Bay, linking travel corridors for many species to include commercially important fish and provide habitat for migratory birds on Central and Mississippi Flyways. They also provide endangered brown pelican feeding/roosting/nesting areas; Kemp's Ridley sea turtle feeding areas; and Colonial waterbird feeding, nesting and migratory bird habitat. The project is designed to establish tidal prism and hydrological connection to the Bay for fully productive marsh creation. The marsh restoration rebuilds land and habitats lost to subsidence and sea level rise. Galveston Bay is a regionally significant area. Ecosystem Restoration costs for the project include the cost associated with the beneficial use of maintenance dredged material, and is cost shared 75 percent Federal and 25 percent non-Federal. The remaining marsh creation is to be linked to beneficial use of dredged material for continued maintenance of the Bay Reach of the Houston Ship Channel such that, a new marsh cell will be filled during each maintenance dredging contract.

FISCAL YEAR 2011: Not funded in FY 2011.

FISCAL YEAR 2012: Funds in the amount of $600,000 will be used in FY 2012 as follows:

Complete Construction of Atkinson Island Marsh Cell M5/6	$ 500,000
Construction Management	100,000
Total	$ 600,000

NON-FEDERAL COST: In accordance with the cost sharing and financing concepts reflected in the Water Resources Development Act of 1986, as amended, the non-Federal sponsor must comply with the requirements listed below:

Requirements of Local Cooperation		Annual Operation, Payments During Construction and Reimbursements	Maintenance, Repair, Rehabilitation, and Replacement Costs
Provide lands, easements, right-of-ways, and borrow and excavated or dredged material disposal areas.		$ 1,179,000	
Modify or relocate, utilities, roads, bridges (except railroad bridges), and other facilities, where necessary for the construction of the project.		69,000	
Local service facilities necessary to realize benefits of the general navigation features		11,347,000	
Pay a percentage of the costs allocated to navigation improvements, to mitigate the project's adverse ecosystem impacts, and to pay a portion of the cost of operation, maintenance, and replacement of the project.		204,979,000	$604,000
General Navigation Features - Deep Draft	$118,266,000		
General Navigation Features - Shallow Draft	1,088,000		
Ecosystem Restoration	32,655,000		
Ecosystem Restoration - Deferred Construction	52,970,000		
Reimburse an additional 10 percent of the costs of general navigation features allocated to commercial navigation within a period of 30 year following completion of construction, as partially reduced by a credit allowed for the value of lands, easements, rights of way, relocations, and dredged or excavated material disposal areas provided for navigation.		47,333,000	
Total Non-Federal Costs		$264,907,000	$604,000

STATUS OF LOCAL COOPERATION: The Project Cooperation Agreement with the Port of Houston Authority was executed on 10 June 1998, and covered the Houston Ship Channel and the Entrance Channel segment of the Galveston Harbor and Channel. Houston and Harris County voters approved a $130 million Port of Houston bond issued on 7 November 1989, by a 63 percent to 37 percent margin. The City of Galveston expressed their support for the total project by letters dated January 1987 and 30 October 1995. The Project Cooperation Agreement with the Port of Galveston was executed 21 June 2007.

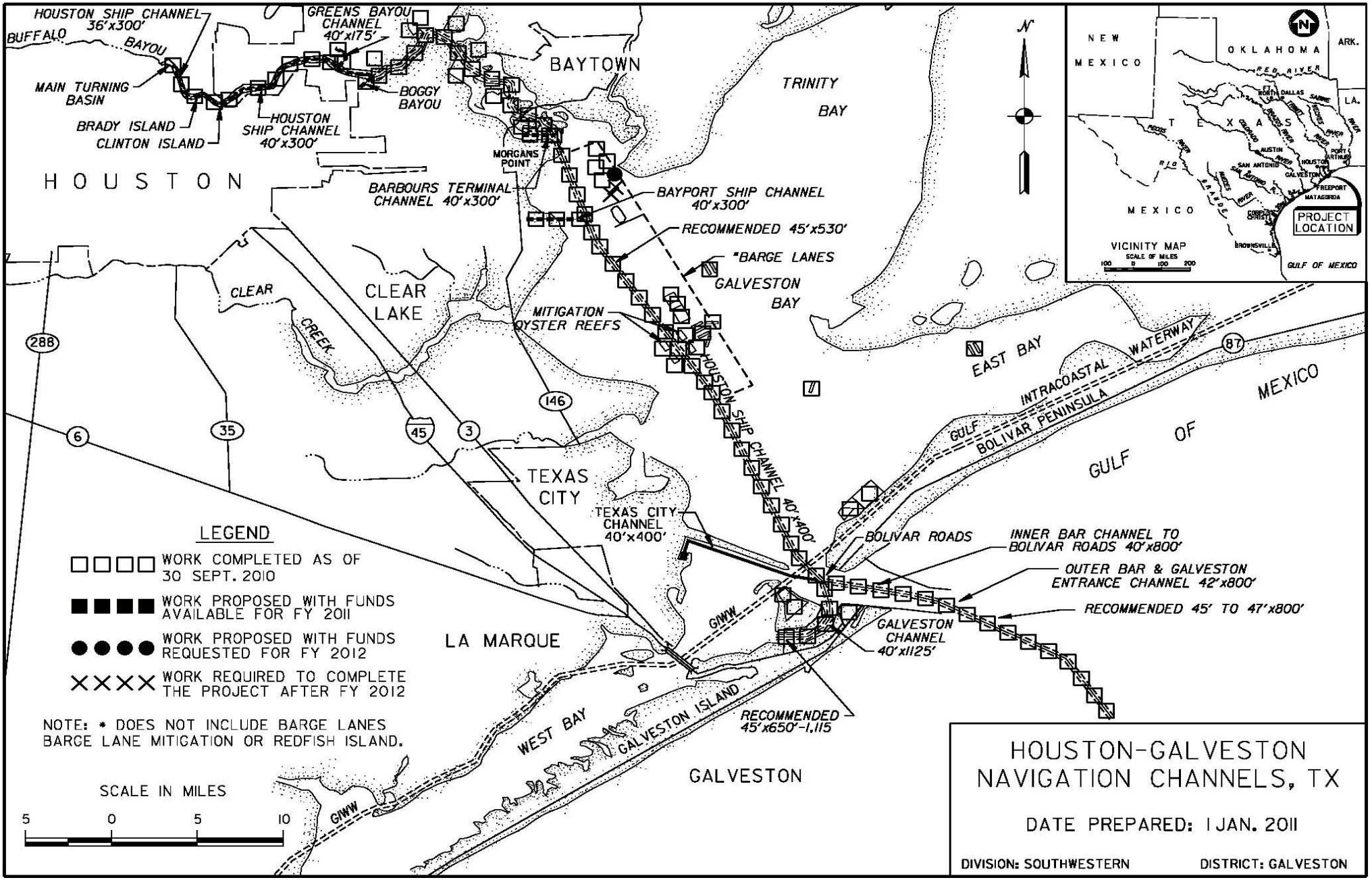
COMPARISON OF FEDERAL COST ESTIMATES: The current Federal (Corps of Engineers) costs estimate of $621,463,000 is an increase of $46,893,000 from the latest estimate ($574,570,000) presented to Congress (FY 2009). This change includes the following items.

Item	Amount
Adjustment to Contract costs	$ 53,740,000
Price de-Escalation on Construction Features	(-) 6,847,000
Total	$ 46,893,000

STATUS OF ENVIRONMENTAL IMPACT STATEMENT: The Final Environmental Impact Statement (FEIS) was filed with the Environmental Protection Agency in 25 November 1988. A supplement to the FEIS has been prepared and was listed in the Federal Register on 24 November 1995. A Post Authorization Change Report was completed and identified that 54 acres of oyster reef were impacted by the barge lanes construction and equal amounts of reef were constructed. An updated environmental analysis has been prepared as part of the Limited Reevaluation Report for the deepening of the Galveston Channel.

OTHER INFORMATION: The total project as authorized by WRDA 96 included channel deepening of the Galveston Entrance Channel, Galveston Harbor and Channel and the Houston Ship Channel to Boggy Bayou in Houston, Texas. Funds to initiate preconstruction engineering and design were appropriated in Fiscal Year 1990. Funds to initiate construction were appropriated in Fiscal Year 1998.

Section 902 of the WRDA 1986 limits cost growth to 20 percent of the authorized total project costs, plus adjustments for inflation. The section 902 project cap for the Houston-Galveston Navigation Channels is currently estimated to be $709,000,000. Additional authorization will be required to increase the section 902 project cap prior to completion of all features of the project.



Division: Southwestern **District: Galveston** **Project: Houston-Galveston Navigation Channels, Texas**

OPERATION AND MAINTENANCE

Key to Abbreviations:

N = Navigation
FRM = Flood Risk Management
REC = Recreation
HYD = Hydropower
ES = Environmental Stewardship
WS = Water Supply

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Aquilla Lake, TX

AUTHORIZATION: Flood Control Act of 1968

LOCATION AND DESCRIPTION: Aquilla Lake is located in Hill County, 0.8 miles southwest of Hillsboro, Texas. The project consists of an earthfill dam and uncontrolled concrete spillway, which creates a lake with total storage capacity of 146,500 acre-feet, flood control of 93,600 acre-feet, water supply of 34,100 acre-feet, and sediment reserve of 25,700 acre-feet. There is one undeveloped recreation area of 957 acres and six access areas totaling 27 acres. 2010 visitation totaled 328,297 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $464,000
PRESIDENT'S BUDGET FOR FY 2011: $1,120,000
BUDGET FOR FY 2012: M: $394,000 **O**: $687,000 **T**: $1,081,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $844,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $128,000 – Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $83,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $26,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Arcadia Lake, OK

AUTHORIZATION: Flood Control Act of 1970

LOCATION AND DESCRIPTION: Arcadia Lake is located on the Deep Fork River at river mile 218.3, in the metropolitan area of Oklahoma City and Edmond in Oklahoma County, Oklahoma. This is a multi-purpose project with flood control, water supply, and recreation outputs. The project consists of a 5,250 foot long rolled earth-filled embankment with an uncontrolled saddle spillway and 7x10 foot conduit controlled by two conduit gates. At conservation pool the lake covers 1,820 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $508,000
PRESIDENT'S BUDGET FOR FY 2011: $596,000
BUDGET FOR FY 2012: **M**: $128,000 **O**: $463,000 **T**: $591,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $520,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $37,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $10,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $24,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Arcadia Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Arkansas-Red River Basins Chloride Control – Area VIII, TX

AUTHORIZATION: Flood Control Act of 1966 as modified by the Flood Control Act of 1970 and as amended by the Water Resources Development Acts of 1974, 1976, and 1986

LOCATION AND DESCRIPTION: The Arkansas-Red River Basins Chloride Control – Area VIII Project is located within the Wichita River basin in northern Texas. This is a single purpose project with water quality control outputs. The project consists of a low flow collection dam on the South Fork of the Wichita River and the Truscott Brine Lake on the North Fork of the Wichita River.

RECOVERY ACT ALLOCATIONS TO DATE: $5,240,000
PRESIDENT'S BUDGET FOR FY 2011: $1,439,000
BUDGET FOR FY 2012: M: $0 **O**: $1,593,000 **T**: $1,593,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: N/A

REC: N/A

HYD: N/A

ES: $1,593,000 – Funds will be used for routine operations and maintenance at the project; water quality control; intensive wildlife management as required by WRDA 1986; monitoring of endangered and other fish and wildlife species; compliance activities associated with the National Historic Preservation Act; natural resources management; and water quality monitoring.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bardwell Lake, TX

AUTHORIZATION: PL 96-399

LOCATION AND DESCRIPTION: The project consists of an earthfill dam, and uncontrolled spillway, and a gated conduit through the dam, with two sluice gates. Flood control storage capacity is 85,400 acre-feet. Seven recreation areas comprise 1,238 acres. 2010 visitation totaled 549,056 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $2,646,000
PRESIDENT'S BUDGET FOR FY 2011: $1,879,000
BUDGET FOR FY 2012: M: $576,000 **O**: $1,285,000 **T**: $1,861,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,095,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $657,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $82,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $27,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bayport Ship Channel, TX

AUTHORIZATION: PL 99-662

LOCATION AND DESCRIPTION: The project is located in the vicinities of Houston, Pasadena, La Porte, and Shore Acres in Harris County, Texas. The Bayport Ship Channel and Turning Basin is a 4.5 mile long deep draft waterway that extends from the Houston Ship Channel at Mile 20.5 west across Galveston Bay.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $4,028,000
BUDGET FOR FY 2012: **M**: $3,776,000 **O**: $0 **T**: $3,776,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $3,776,000 – Funding provides for maintenance dredging of the Bayport Channel Flare to project depth. These funds would improve navigation performance and reliability and would provide for 6 months level of service at the authorized project depth.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Beaver Lake, AR

AUTHORIZATION: Flood Control Act of 1938 and the Water Supply Act of 1958

LOCATION AND DESCRIPTION: The project is located in Benton, Carroll and Washington Counties of Arkansas. Beaver Lake is a multiple-purpose project located in the White River Basin. The project contains two 56,000 kW hydropower generator units.

RECOVERY ACT ALLOCATIONS TO DATE: $2,628,000
PRESIDENT'S BUDGET FOR FY 2011: $10,570,000
BUDGET FOR FY 2012: M: $775,000 **O**: $5,009,000 **T**: $5,784,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,089,000 – Funds will be used for routine operations and maintenance for flood risk management; bridge and dam safety inspections; routine joint operations and maintenance of the powerplant and dam components; and perform encroachment resolutions. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide increased efficiency, and lower future repair costs.

REC: $2,760,000 – Funds will be used for routine operations and maintenance for recreation; implementaion of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance.

HYD: $1,476,000 – Funds will be used for routine operations and maintenance for hydropower generations and powerplant equipment; routine operations and maintenance of joint operations of powerplant and dam components; encroachment resolutions; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance by increasing unit availability, thus reducing long-term forced outages, and would provide for additional revenue to the Treasury.

ES: $443,000 – Funds will be used for routine operations and maintenance for environmental stewardship; meet mandates of the National Historic Preservation Act; comply with the Endangered Species Act; implementation for management of boat docks and vegetation modification shoreline use permits.

WS: $16,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Belton Lake, TX

AUTHORIZATION: Flood Control Act of 1946 as modified by the Flood Control Act of 1954

LOCATION AND DESCRIPTION: Belton Lake is located on the Leon River in Bell and Coryell Counties near the city of Belton, Texas. The project consists of an earthfill dam, uncontrolled spillway, gated outlet structure, and flood control for 3,560 square miles of the Brazos River Basin. There are 644,200 acre-feet of flood control storage, 136 miles of shoreline and a boundary of 158 miles. Fourteen recreation areas comprise 2,983 acres. 2010 visitation totaled 8,855,647 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $15,608,000
PRESIDENT'S BUDGET FOR FY 2011: $3,682,000
BUDGET FOR FY 2012: M: $599,000 **O**: $2,917,000 **T**: $3,516,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,277,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities. District dam safety required to repair/replace emergency bulkhead roller chains and repair badly corroded bulkheads.

REC: $1,956,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $260,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $23,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Benbrook Lake, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Benbrook Lake is located in Tarrant County on the Clear Fork of the Trinity River, 15 river miles upstream from its confluence with the West Fork of the Trinity River, 10 miles southwest of Fort Worth, Texas. The project consists of a rolled earth fill dam (9,130 feet long x 130 feet high); an uncontrolled spillway (500 feet wide); a 13-foot diameter conduit controlled by two (6.5 feet x 13 feet) broom-type gates for inlets; and, 2 gated outlets into two 30-inch steel pipe conduits. The flood control storage capacity is 170,350 acre-feet. Benbrook Lake has six recreation areas which comprise 3,033 acres. 2010 visitation totaled 2,866,449 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $2,578,000
BUDGET FOR FY 2012: M: $532,000 **O**: $1,932,000 **T**: $2,464,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $940,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities. Purchase emergency generator to replace aged generator.

REC: $1,340,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $153,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $31,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWF Project Name: Benbrook Lake, TX

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Birch Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Birch Lake is located at river mile 0.8 on Birch Creek, a tributary of Bird Creek, about 1.5 miles south of the town of Barnsdall in Osage County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality control, recreation, and fish and wildlife outputs. The project consists of a 3193 foot long rolled earth-filled embankment with an uncontrolled spillway and 7.5x10 foot conduit controlled by two slide gates. At conservation pool the lake covers 1137 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $591,000
PRESIDENT'S BUDGET FOR FY 2011: $646,000
BUDGET FOR FY 2012: **M**: $419,000 **O**: $568,000 **T**: $987,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $746,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $209,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $32,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Birch Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Blue Mountain Lake, AR

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: The project is located in Logan and Yell Counties of Arkansas. Blue Mountain Lake is located in the Arkansas River Basin on the Petit Jean River, near Waveland, Arkansas. The primary purpose of the project is flood damage reduction.

RECOVERY ACT ALLOCATIONS TO DATE: $362,000
PRESIDENT'S BUDGET FOR FY 2011: $1,612,000
BUDGET FOR FY 2012: M: $446,000 **O**: $1,408,000 **T**: $1,854,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,317,000 – Funds will be used for routine operations and maintenance for flood risk management; essential inspection and maintenance of FRM structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; periodic inspection of vehicle bridges; maintenance of tractor slide gates, hoists, overhead crane and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

REC: $416,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance.

HYD: N/A

ES: $117,000 – Funds will be used for routine operations and maintenance for environmental stewardship; sustain existing forest, fish, wildlife and other natural resources; ensure historical, archeological and cultural resources are protected from vandalism; meet mandates of the National Historic Preservation Act; and comply with the Endangered Species Act.

WS: $4,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Brazos Island Harbor, TX

AUTHORIZATION: RHC Doc. 16, 71st Congress, 2nd Session, 1930, as amended and Sec. 201, PL 99-662

LOCATION AND DESCRIPTION: The Brazos Island Harbor project provides deep draft access from the Gulf of Mexico through a jettied entrance channel to Brownsville, and a side channel, authorized to 36 feet, and shallow draft Fishing Boat Harbor near Port Isabel. The project is 22.8 miles in length. The authorized depths are 42 feet for the main channel and 44 feet through the jetties and outer bar.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $3,468,000
BUDGET FOR FY 2012: **M**: $3,378,000 **O**: $500,000 **T**: $3,878,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $3,878,000 – Funding provides for routine annual dredging of the Brazos Island Harbor Jetty Channel to authorized project depth. These funds would improve navigation performance and reliability.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Broken Bow Lake, OK

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Broken Bow Lake is located on the Mountain Fork River, a tributary of the Little River, at river mile 20.3, approximately 9 miles northeast of the town of Broken Bow in McCurtain County, Oklahoma. This is a multi-purpose project with flood control, hydroelectric power, water supply, recreation, and fish and wildlife outputs. The project consists of a 2,750 foot long rolled earth-filled embankment with a concrete ogee weir controlled spillway and two 50,000 kW generators. At conservation pool the lake covers 14,200 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $2,278,000
PRESIDENT'S BUDGET FOR FY 2011: $2,458,000
BUDGET FOR FY 2012: **M**: $996,000 **O**: $1,062,000 **T**: $2,058,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $457,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $215,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: $1,337,000 - Funds will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

ES: $44,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $5,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Broken Bow Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Buffalo Bayou and Tributaries, TX

AUTHORIZATION: House Document 456, 75th Congress, 2nd Session 1938 and modified by the Flood Control Act of 1954

LOCATION AND DESCRIPTION: The project is located on Buffalo Bayou and Mayde Creek on the west side of the City of Houston, in Harris and Fort Bend Counties, Texas. Addicks Dam and Reservoir is an earthen dam 61,166 feet long and 48.5 feet above the Mayde Creek streambed with a storage capacity of 200,840 acre-feet. Barker Dam and Reservoir is an earthen dam 71,960 feet long and 36.5 feet above the Buffalo Bayou streambed with a storage capacity of 209,000 acre-feet. These reservoirs are designed to reduce flooding in the City of Houston.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $3,518,000
BUDGET FOR FY 2012: M: $1,356,000 **O**: $2,314,000 **T**: $3,670,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $3,670,000 – Activities include labor (district and field) and non-labor (field) costs for operating the project, implementing the stream gauging program and water control bill-back programs. The funds will also be used for Dam Safety annual instrumentation report, training, meetings, periodic assessment, emergency training exercise, update flood damage prevention model, downstream study of flood damage curves, H&H survey of Bear Creek, H&H sediment surveys, and vehicle barrier at toe of dams. Activities for basic maintenance include replace flex base material on top of dams phase 2.

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bull Shoals Lake, AR

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Bull Shoals Lake is located in Marion, Baxter and Boone Counties of Arkansas and Ozark and Taney Counties of Missouri. Bull Shoals is a multi-purpose project with functional capabilities for hydropower and flood risk management. The project contains eight hydropower generating units with a total installed capacity of 340,000 kW.

RECOVERY ACT ALLOCATIONS TO DATE: $5,902,000
PRESIDENT'S BUDGET FOR FY 2011: $7,292,000
BUDGET FOR FY 2012: **M**: $1,370,000 **O**: $4,680,000 **T**: $6,050,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,729,000 – Funds will be used for routine operations and maintenance for flood risk management to include maintenance of structures and equipment and operation of dam, reservoir, service facilities and permanent operating equipment; maintenance of 17 tainter gates, sluice gates, overhead crane and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

REC: $1,653,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

HYD: $2,338,000 – Funds will be used for routine operations and maintenance for hydropower generations and powerplant equipment; routine operations and maintenance of joint operations of powerplant and dam components; encroachment resolutions; compliance with NERC/FERC reliability standards; and providing an oil containment structure for the powerplant. These funds would improve hydropower performance by increasing unit availability, thus reducing long-term forced outages, and would provide for additional revenue to the Treasury.

ES: $325,000 – Funds will be used for routine operations and maintenance for environmental stewardship; provide protection, monitoring and management of project natural resources; comply with the Endangered Species Act; comply with the statutory mandates of the Forest Cover Act; development of resource management plans; and compliance with the Archeological Resources Protection Act.

WS: $5,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Bull Shoals Lake, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Canton Lake, OK

AUTHORIZATION: Flood Control Acts of 1938, 1946, and 1948 and Water Resources Development Act of 1990

LOCATION AND DESCRIPTION: Canton Lake is located on the North Canadian River at river mile 394.3, about 2 miles north of the town of Canton in Blaine County, Oklahoma. This is a multi-purpose project with flood control, water supply, and irrigation outputs. The project consists of a 15,140 foot long rolled earth-filled embankment with a 640 foot gated concrete spillway that rises to a maximum height of 68 feet. Spillway discharges are controlled by sixteen 40x25 foot tainter gates. At conservation pool the lake covers 7,910 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $987,000
PRESIDENT'S BUDGET FOR FY 2011: $1,949,000
BUDGET FOR FY 2012: M: $2,277,000 **O**: $1,625,000 **T**: $3,902,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $2,784,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $986,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $95,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $37,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Canton Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Canyon Lake, TX

AUTHORIZATION: River and Harbor Act of 1945 as modified by the Flood Control Act of 1954

LOCATION AND DESCRIPTION: Canyon Lake is located in Comal County, 12 miles northwest of New Braunfels, Texas, on the Guadalupe River. The project consists of a rolled earthfill dam, an uncontrolled spillway and one conduit controlled by two slide gates. The flood control storage is 354,600 acre-feet. Eight recreation areas comprise 1,544 acres. 2010 visitation totaled 2,546,657 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $3,581,000
PRESIDENT'S BUDGET FOR FY 2011: $3,429,000
BUDGET FOR FY 2012: **M**: $701,000 **O**: $2,879,000 $3,580,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,653,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities; and, repair service bridge and expansion shoes.

REC: $1,656,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $231,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $40,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cedar Bayou, TX

AUTHORIZATION: Senate Doc 107, 71st Congress, 2nd Session

LOCATION AND DESCRIPTION: This shallow draft channel is an important navigation channel adjacent to the Houston and Bayport Ship Channels. It supports heavy barge traffic to facilities owned by Koppel Steel, Gendal United Steel and Bayer Corp.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $1,695,000
BUDGET FOR FY 2012: M: $350,000 **O**: $0 **T**: $350,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $350,000 – Activities include the completion of the Dredge Material Management Plan (DMMP) on the existing and new upland placement areas and new beneficial use sites to increase disposal capacity in anticipation of future dredging.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: A Dredge Material Management Plan needs to be developed and new placement areas (PAs) and beneficial use sites (BUs) created in preparation for future channel maintenance.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Chocolate Bayou, TX

AUTHORIZATION: House Doc. 217, 89th Cong., 1st Sess.

LOCATION AND DESCRIPTION: This navigation project is located between Galveston and Freeport in Brazoria County, Texas. The project provides a shallow draft channel from the Gulf Intracoastal Waterway at Mile 376 through Chocolate Bay and Chocolate Bayou to a point 8.2 miles north of the Gulf Intracoastal Waterway. The project dimensions are 12 x 125 feet.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $0
BUDGET FOR FY 2012: M: $500,000 **O**: $0 **T**: $500,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR (by Business Line) FY 2012:

N: $500,000 – Activities include dredge fill monitoring and surveying of settlement in beneficial use areas. These funds would improve navigation performance and reliability.

FRM: NA

REC: NA

HYD: NA

ES: NA

WS: NA

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Clearwater Lake, MO

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Clearwater Lake is located near Piedmont, Missouri, in Reynolds and Wayne Counties. The primary purpose is flood damage reduction but the project also provides environmental and recreation outputs.

RECOVERY ACT ALLOCATIONS TO DATE: $946,000
PRESIDENT'S BUDGET FOR FY 2011: $3,021,000
BUDGET FOR FY 2012: M: $953,000 **O**: $2,335,000 **T**: $3,288,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $2,177,000 – Funds will be used for routine operations and maintenance for flood risk management; essential inspection and maintenance of FRM structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; periodic inspection of vehicle bridges; maintenance of tractor slide gates, hoists, overhead crane and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

REC: $982,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

HYD: N/A

ES: $129,000 – Funds will be used for routine operations and maintenance for environmental stewardship; monitoring and management of endangered species; support for GIS; specialized habitat management; and to ensure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Clearwater Lake, MO

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Copan Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Copan Lake is located at river mile 7.4 on the Little Caney River, a tributary of the Caney River, about 9 miles north of the town of Bartlesville in Washington County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality control, recreation, and fish and wildlife outputs. The project consists of a 7730 foot long rolled earth-filled embankment with a gate controlled, concrete, gravity ogee weir with four 50x35 foot tainter gates. At conservation pool the lake covers 4449 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $535,000
PRESIDENT'S BUDGET FOR FY 2011: $1,104,000
BUDGET FOR FY 2012: M: $555,000 **O**: $865,000 **T**: $ 1,420,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,127,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $253,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $35,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $5,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Corpus Christi Ship Channel, TX

AUTHORIZATION: Senate Document 99, 90th Congress, 2nd Session

LOCATION AND DESCRIPTION: The Corpus Christi Ship Channel (CCSC) is a 45-ft deep channel that extends from the Gulf of Mexico 34 miles into the Port of Corpus Christi. The Port of Corpus Christi is ranked 5th in the nation for tonnage shipped. The CCSC is utilized by both commercial and recreational traffic – oil tankers, barges, and private fishing and recreational vessels.

RECOVERY ACT ALLOCATIONS TO DATE: $5,043,000
PRESIDENT'S BUDGET FOR FY 2011: $ 4,608,000
BUDGET FOR FY 2012: M: $5,912,000 **O**: $0 **T**: $5,912,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $5,912,000 – Activities include dredging Entrance / Jetty Channel to authorized depth which will improve navigation performance and reliability.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Council Grove Lake, KS

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION: Council Grove Lake is located on the Grand (Neosho) River at river mile 449.5, 1.5 miles northwest of Council Grove in Morris County, Kansas. This is a multi-purpose project with flood control, water supply, water quality control, and recreation outputs. The project is a 6,500 foot long earth embankment with an uncontrolled spillway. At conservation pool the lake covers 3,259 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $1,261,000
PRESIDENT'S BUDGET FOR FY 2011: $1,649,000
BUDGET FOR FY 2012: M: $863,000 **O**: $1,574,000 **T**: $2,437,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,819,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $554,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

HYD: N/A

ES: $54,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $10,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dardanelle Lock & Dam, AR

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: This project is located in Pope, Logan, Johnson and Yell Counties of Arkansas. Dardanelle Lock and Dam are located on the McClellan-Kerr Arkansas River Navigation System and the project purposes include hydropower and navigation. The project contains four 35,000 kW hydropower generator units.

RECOVERY ACT ALLOCATIONS TO DATE: $2,399,000
PRESIDENT'S BUDGET FOR FY 2011: $7,632,000
BUDGET FOR FY 2012: M: $2,191,000 **O**: $5,723,000 **T**: $7,914,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $3,352,000 – Funds will be used for routine operations and maintenance for navigation required for pool regulation and lock operations; perform failure diagnostics and repairs; perform dam safety monitoring and periodic inspections; routine joint operations of powerplant and dam components; channel maintenance to include dredging; and scheduled critical cyclical maintenance. These funds would improve navigation performance by increasing the availability and reliability of the system and provide for decreased future repair costs due to continual deferred maintenance.

FRM: $215,000 – Funds will be used for routine operations and maintenance of pump station, service facilities and permanent operating equipment to meet basic flood risk management mission. These funds would improve flood risk management performance by reducing the risk of failure, provide increased efficiency, and lower future repair costs.

REC: $1,678,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; water management of water control data systems; and operation and maintenance of visitor center.

HYD: $2,476,000 – Funds will be used for routine operations and maintenance for hydropower generations and powerplant equipment; routine operations and maintenance of joint operations of powerplant and dam components; encroachment resolutions; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance by increasing unit availability, thus reducing long-term forced outages, and would provide for additional revenue to the Treasury.

ES: $193,000 – Funds will be used for routine operations and maintenance for environmental stewardship; monitoring and protection of known archeological sites; comply with the Endangered Species Act; identification and protection of nesting sites; support shoreline management and compliance; outgrant compliance; and utilization inspections and management activities.

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Dardanelle Lock & Dam, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Denison Dam, Lake Texoma, TX and OK

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Denison Dam, Lake Texoma is located on the Red River at river mile 725.9, about 5 miles northwest of the town of Denison in Grayson County, Texas. This is a multi-purpose project with flood control, water supply, hydroelectric power, regulation of Red River flows, improvement of navigation, and recreation outputs. The project consists of a 17,200 foot long rolled earth-filled embankment with an uncontrolled concrete, gravity chute-type spillway and six 9x19 foot vertical lift gates. The project contains two 35,000 kW hydropower generator units. At top of power pool the lake covers 74,686 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $7,148,000
PRESIDENT'S BUDGET FOR FY 2011: $10,057,000
BUDGET FOR FY 2012: M: $1,210,000 **O**: $5,729,000 **T**: $6,939,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,327,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $2,671,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: $2,484,000 - Funds will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

ES: $433,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $24,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Denison Dam, Lake Texoma, TX and OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: DeQueen Lake, AR

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: DeQueen Lake is located on the Rolling Fork River, in Sevier County, DeQueen, Arkansas. The project was authorized for the purposes of flood damage reduction, water supply, and recreation.

RECOVERY ACT ALLOCATIONS TO DATE: $191,000
PRESIDENT'S BUDGET FOR FY 2011: $1,467,000
BUDGET FOR FY 2012: M: $391,000 **O**: $1,296,000 **T**: $1,687,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,162,000 – Funds will be used for routine operations and maintenance for flood risk management; essential inspection and maintenance of FRM structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; periodic inspection of vehicle bridges; maintenance of tractor slide gates, hoists, overhead crane and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

REC: $480,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

HYD: N/A

ES: $40,000 – Funds will be used for routine operations and maintenance for environmental stewardship; complete prescribed burning; stump grinding; wildlife habitat creation plots; encroachment detection and mitigation; boundary inspection and maintenance; monitoring and protection of known archeological sites; identification and protection of nesting sites; and survey and manage the pink musket mussel in accordance with the Endangered Species Act.

WS: $5,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: DeQueen Lake, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dierks Lake, AR

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Dierks Lake is located on the Saline River in Howard and Sevier Counties, Dierks, Arkansas. The project's primary purposes are flood damage reduction, water supply, and recreation.

RECOVERY ACT ALLOCATIONS TO DATE: $193,000
PRESIDENT'S BUDGET FOR FY 2011: $1,570,000
BUDGET FOR FY 2012: **M**: $347,000 **O**: $1,074,000 **T**: $1,421,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $884,000 – Funds will be used for routine operations and maintenance for flood risk management; essential inspection and maintenance of FRM structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; periodic inspection of vehicle bridges; maintenance of tractor slide gates, hoists, overhead crane and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

REC: $480,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

HYD: N/A

ES: $51,000 – Funds will be used for routine operations and maintenance for environmental stewardship; complete prescribed burning; stump grinding; wildlife habitat creation plots; encroachment detection and mitigation; boundary inspection and maintenance; monitoring and protection of known archeological sites; identification and protection of nesting sites; and management of endangered species.

WS: $6,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Dierks Lake, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: El Dorado Lake, KS

AUTHORIZATION: Flood Control Act of 1965

LOCATION AND DESCRIPTION: El Dorado Lake is located at river mile 114.7 on the Walnut River, a tributary of the Arkansas River, about 2 miles northeast of the town of El Dorado in Butler County, Kansas. This is a multi-purpose project with flood control, water supply, water quality control, and recreation outputs. The project consists of a 20,850 foot long earth embankment with spillway. At conservation pool the lake covers 7,997 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $176,000
PRESIDENT'S BUDGET FOR FY 2011: $609,000
BUDGET FOR FY 2012: **M**: $551,000 **O**: $535,000 **T**: $1,086,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $987,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $37,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

HYD: N/A

ES: $47,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $15,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Elk City Lake, KS

AUTHORIZATION: Flood Control Act of 1941

LOCATION AND DESCRIPTION: Elk City Lake is located on the Elk River at river mile 8.7, about 7 miles east of the town of Elk City in Montgomery County, Kansas. This is a multi-purpose project with flood control, water supply, water quality, recreation, and fish and wildlife outputs. The project consists of a 4,840 foot earth embankment with an uncontrolled spillway, 16 foot conduit, and stilling basin. At conservation pool the lake covers 4,118 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $1,274,000
PRESIDENT'S BUDGET FOR FY 2011: $1,040,000
BUDGET FOR FY 2012: **M**: $171,000 **O**: $700,000 **T**: $871,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $661,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $164,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

HYD: N/A

ES: $36,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $10,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Estelline Springs Experimental Project, TX

AUTHORIZATION: Flood Control Act of 1966

LOCATION AND DESCRIPTION: The Estelline Springs Experimental Project is located on the Prairie Dog Town Fork of the Red River, about 0.5 miles east of the town of Estelline in Hall County, Texas. This is a single purpose project with water quality control outputs. The project consists of an earthen ring dike nine feet high and 340 feet in diameter that surrounds Estelline Springs.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $43,000
BUDGET FOR FY 2012: M: $44,000 **O**: $0 **T**: $44,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: N/A

REC: N/A

HYD: N/A

ES: $44,000 - Funds will be used for routine operations and maintenance at the project; water quality control; intensive wildlife management as required by WRDA 1986; monitoring of endangered and other fish and wildlife species; compliance activities associated with the National Historic Preservation Act; natural resources management; and water quality monitoring.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Eufaula Lake, OK

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: Eufaula Lake is located on the Canadian River at river mile 27.0, about 12 miles east of the town of Eufaula in McIntosh County, Oklahoma. This is a multi-purpose project with flood control, water supply, hydroelectric power, and navigation outputs. The project consists of a 3300 foot long rolled earth-filled embankment with a concrete, gravity ogee weir controlled spillway with eleven 40x32 foot tainter gates. The project contains three 30,000 kW hydropower generator units. At conservation pool the lake covers 105,500 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $6,091,000
PRESIDENT'S BUDGET FOR FY 2011: $7,232,000
BUDGET FOR FY 2012: M: $1,439,000 **O**: $4,610,000 **T**: $ 6,049,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $330,000 - Funds will be used for limited operations and maintenance of structures for navigation water releases for the McClellan-Kerr Arkansas River Navigation System.

FRM: $1,222,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $1,889,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: $1,702,000 - Funds will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

ES: $882,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities. A total of $500,000 of these funds will be used to continue the EIS associated with updating the shoreline management plan at the project.

WS: $24,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Eufaula Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fall River Lake, KS

AUTHORIZATION: Flood Control Act of 1941

LOCATION AND DESCRIPTION: Fall River Lake is located on the Fall River at river mile 54.2, about 4 miles northwest of the town of Fall River in Greenwood County, Kansas. This is a multi-purpose project with flood control, water quality, fish and wildlife, and supplemental water supply outputs. The project consists of a 5,455 foot long earth embankment with a gate weir and two tainter gates. At conservation pool the lake covers 2,350 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $5,456,000
PRESIDENT'S BUDGET FOR FY 2011: $1,200,000
BUDGET FOR FY 2012: **M**: $348,000 **O**: $960,000 **T**: $1,308,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $968,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $282,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

HYD: N/A

ES: $58,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ferrells Bridge Dam – Lake O' the Pines, TX

AUTHORIZATION: Flood Control Acts of 1937 and 1946

LOCATION AND DESCRIPTION: Ferrells Bridge Dam – Lake O' the Pines is located on Cypress Creek in Marion, Harrison, Upshur, Morris Camp and Titus Counties, eight miles west of the city of Jefferson, Texas. The project consists of an earthfill embankment and two conduits. Flood control storage is 587,200 acre-feet and water supply storage is 279,900 acre-feet. Thirty-four recreation areas comprise 758 acres. 2010 visitation totaled 10,627,209 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $10,571,000
PRESIDENT'S BUDGET FOR FY 2011: $3,709,000
BUDGET FOR FY 2012: M: $981,000 **O**: $2,483,000 **T**: $3,464,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,573,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,476,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $380,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $35,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fort Gibson Lake, OK

AUTHORIZATION: Flood Control Act of 1941, River and Harbor Act of 1946, and the Water Resources Development Act of 1986

LOCATION AND DESCRIPTION: Fort Gibson Lake is located on the Grand (Neosho) River at river mile 7.7 about 12 miles northeast of the town of Muskogee in Mayes, Wagoner, and Cherokee Counties, Oklahoma. This is a multi-purpose project with flood control and hydroelectric power outputs. The project consists of a 2,990 foot long rolled earth-filled embankment which includes the concrete, gravity ogee weir controlled spillway and the powerhouse intake structure. The spillway is equipped with thirty 40x35 foot tainter gates, while the powerhouse contains four 11,250kW hydropower generator units. At conservation pool the lake covers 19,900 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $13,052,000
PRESIDENT'S BUDGET FOR FY 2011: $6,216,000
BUDGET FOR FY 2012: M: $1,454,000 **O**: $3,538,000 **T**: $4,992,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $835,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $1,699,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: $2,305,000 - Funds will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

ES: $153,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Fort Gibson Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fort Supply Lake, OK

AUTHORIZATION: Flood Control Act of 1936

LOCATION AND DESCRIPTION: Fort Supply Lake is located at river mile 5.5 on Wolf Creek, a tributary of the North Canadian River, about 12 miles northwest of the town of Woodward in Woodward County, Oklahoma. This is a multi-purpose project with flood control and conservation storage (water supply) outputs. The project consists of an 11,865 foot long rolled earth-filled embankment with an uncontrolled, concrete, chute-type spillway. Spillway discharges are controlled by three 7x16 foot vertical lift gates. At conservation pool the lake covers 1,820 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $237,000
PRESIDENT'S BUDGET FOR FY 2011: $1,058,000
BUDGET FOR FY 2012: M: $339,000 **O**: $750,000 **T**: $ 1,089,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $661,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $386,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $42,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Fort Supply Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Freeport Harbor, TX

AUTHORIZATION: House Doc. 289, 93rd Cong., 2nd Sess.

LOCATION AND DESCRIPTION: This navigation project is located in the vicinity of Freeport, in Brazoria County, Texas. The project is a deep draft channel 8.5 miles in length extending from the Gulf of Mexico through a jettied entrance channel to the Upper Turning Basin.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $3,538,000
BUDGET FOR FY 2012: **M**: $4,796,000 **O**: $0 **T**: $4,796,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $4,796,000 – Activities include annual dredging of the Entrance Channel to authorized project depth and limited advance maintenance. These funds would improve navigation performance and reliability.

FRM: NA

REC: NA

HYD: NA

ES: NA

WS: NA

OTHER INFORMATION: Local sponsor has permit to widen channel and has requested the Corp to assume maintenance.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Galveston Harbor and Channel, TX

AUTHORIZATION: House Document 121, 92nd Congress

LOCATION AND DESCRIPTION: The project is located in the vicinity of Galveston in Galveston County, Texas. Galveston Harbor and Channel is a 14.4 mile deep draft channel 45 ft that extends from deep water in the Gulf of Mexico through jetties to Galveston Bay near Bolivar Roads. From this point, the channel portion extends up to 43rd Street in Galveston, Texas.

RECOVERY ACT ALLOCATIONS TO DATE: $3,256,000
PRESIDENT'S BUDGET FOR FY 2011: $8,441,000
BUDGET FOR FY 2012: M: $3,738,000 **O**: $0 **T**: $3,738,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $3,738,000 – Funding provides for routine maintenance dredging within the Galveston Harbor and Channel including pipeline and/or hopper dredging. These funds would improve navigation performance and reliability.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWG Project Name: Galveston Harbor & Channel, TX

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Gillham Lake, AR

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Gillham Lake is located on the Cossatot River, in Howard County, Gillham, Arkansas. The project's primary purposes are flood damage reduction, water supply, and recreation.

RECOVERY ACT ALLOCATIONS TO DATE: $373,000
PRESIDENT'S BUDGET FOR FY 2011: $1,340,000
BUDGET FOR FY 2012: M: $333,000 **O**: $1,012,000 **T**: $1,345,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $875,000 – Funds will be used for routine operations and maintenance for flood risk management; essential inspection and maintenance of FRM structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; periodic inspection of vehicle bridges; maintenance of tractor slide gates, hoists, overhead crane and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

REC: $425,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

HYD: N/A

ES: $42,000 – Funds will be used for routine operations and maintenance for environmental stewardship; complete prescribed burning; stump grinding; wildlife habitat creation plots; encroachment detection and mitigation; boundary inspection and maintenance; monitoring and protection of known archeological sites; identification and protection of nesting sites; and management of endangered species.

WS: $3,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Gillham Lake, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: GIWW, Channel to Victoria, TX

AUTHORIZATION: PL 100-676

LOCATION AND DESCRIPTION: This navigation project is located in the vicinities of Seadrift and Victoria in Calhoun and Victoria Counties, Texas. The Channel to Victoria is a 34.8 mile shallow draft channel extending from the Gulf Intracoastal Waterway at Mile 492 northwesterly across San Antonio Bay through a landlocked section lying east of the Guadalupe River and terminating at the turning basin near the City of Victoria. The Channel to Seadrift project provides a 2 mile shallow draft channel extending from the Channel to Victoria northeasterly and terminating at the turning basin at Seadrift.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $1,825,000
BUDGET FOR FY 2012: M: $3,519,000 **O**: $0 **T**: $3,519,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $3,519,000 – Activities include dredging the Channel to Victoria Upper Reach to authorized project depth and the curation of artifacts recovered during the development of the project features. These funds would improve navigation performance and reliability.

FRM: NA

REC: NA

HYD: NA

ES: NA

WS: NA

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Gulf Intracoastal Waterway, TX

AUTHORIZATION: PL 77-675 authorized the Laguna Madre reach and WRDA 96 authorized the work at Aransas National Wildlife Refuge (ANWR)

LOCATION AND DESCRIPTION: The project traverses the entire Texas Coast, from the Sabine River to Port Isabel, TX. The navigation portion of the Main Channel of the GIWW covers a distance of 423 miles, along with other tributaries. The authorized depth and width is generally 12' x 125'.

RECOVERY ACT ALLOCATIONS TO DATE: $30,998,000
PRESIDENT'S BUDGET FOR FY 2011: $27,792,000
BUDGET FOR FY 2012: M: $20,684,000 **O**: $3,593,000 **T**: $24,277,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $24,277,000 – Funding provides for routine operations and maintenance of the facilities at the Brazos River Floodgates, Colorado River Locks and Mooring facilities. Funding also provides for maintenance dredging of various reaches along the 423 mile waterway with upland disposal and beneficial use sites. These funds would improve navigation performance and reliability.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Granger Lake, TX

AUTHORIZATION: Flood Control Acts of 1954 and 1962

LOCATION AND DESCRIPTION: Granger Lake is located on the San Gabriel River in Williamson County, about 10 miles northeast of the city of Taylor. The project consists of a rolled earthfill dam, and controlled outlet works with two hydraulically operated gates. The conservation pool impoundment is 4,400 acres, government fee land consists of 13,602 acres and flood control storage capacity is 178.600 acre-feet. Six recreation areas comprise 1,387 acres. 2010 visitation totaled 748,194 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $7,863,000
PRESIDENT'S BUDGET FOR FY 2011: $2,360,000
BUDGET FOR FY 2012: **M**: $404,000 **O**: $1,901,000 **T**: $2,305,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,310,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities; and, rehab spillway under drain manhole system.

REC: $868,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $101,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $26,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Grapevine Lake, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Grapevine Lake is located in Denton and Tarrant Counties, at river mile 11.7 on Denton Creek, Trinity River Basin, near the city of Grapevine, and approximately 20 miles northwest of the city of Dallas, Texas. The project consists of a rolled earthfill dam, a 500' uncontrolled concrete ogee weir spillway, and conduit controlled by two broome-type gates. The flood control/storage capacity is 243,050 acre-feet and conservation/water supply storage is 158,900 acre-feet. Twelve recreation areas comprise 3,660 acres. 2010 visitation totaled 7,625,287 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $998,000
PRESIDENT'S BUDGET FOR FY 2011: $3,014,000
BUDGET FOR FY 2012: M: $742,000 **O**: $2,239,000 **T**: $2,981,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,488,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities; repair erosion and expand seepage collection.

REC: $1,240,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $214,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $39,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Great Salt Plains Lake, OK

AUTHORIZATION: Flood Control Act of 1936

LOCATION AND DESCRIPTION: Great Salt Plains Lake is located on the Salt Fork of the Arkansas River at river mile 103.3 about 12 miles east of the town of Cherokee in Alfalfa County, Oklahoma. This is a multi-purpose project with flood control, conservation, recreation, and fish and wildlife outputs. The project consists of a rolled earth-filled embankment and concrete spillway having a total crest length of 6,010 feet and rising to a maximum height of 68 feet above the streambed. At top of flood control pool the lake covers 25,660 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $190,000
PRESIDENT'S BUDGET FOR FY 2011: $406,000
BUDGET FOR FY 2012: M: $208,000 **O**: $503,000 **T**: $711,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $664,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $32,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $15,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Greens Bayou Channel, TX

AUTHORIZATION: House Document 257, 89th Congress, 1st Session and PL 99-662

LOCATION AND DESCRIPTION: The project is located in the vicinities of Houston, Pasadena, Deer Park, Jacinto City, and Galena Park in Harris County, Texas. The Greens Bayou Channel is a 1.6 mile long shallow and deep draft waterway which extends from the Houston Ship Channel at mile 42.9 northeast up Greens Bayou.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $0
BUDGET FOR FY 2012: M: $800,000 **O**: $0 **T**: $800,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $800,000 – Funds will be used for routine maintenance dredging of Greens Bayou Channel to project depth. These funds would improve navigation performance and reliability.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Greers Ferry Lake, AR

AUTHORIZATION: Flood Control Act of 1938 as amended by the Flood Control Acts of 1941 and 1944

LOCATION AND DESCRIPTION: Greers Ferry Lake is located on the Little Red River in Cleburne and Van Buren Counties, Heber Springs, Arkansas. Greers Ferry is one of the five multiple purpose projects in the White River Basin and was constructed for the generation of hydropower and flood damage reduction. The project contains two 48,000 kW hydropower generating units.

RECOVERY ACT ALLOCATIONS TO DATE: $3,560,000
PRESIDENT'S BUDGET FOR FY 2011: $10,230,000
BUDGET FOR FY 2012: **M**: $411,000 **O**: $5,243,000 **T**: $5,654,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,176,000 – Funds will be used for routine operations and maintenance for flood risk management; essential inspection and maintenance of FRM structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; critical routine operations and maintenance for the joint costs associated with the dam, powerplant and project; maintenance of 6 tainter gates, sluice gates, overhead crane, and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide increased efficiency, and lower future repair costs.

REC: $2,929,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

HYD: $1,317,000 – Funds will be used for routine operations and maintenance for hydropower generations and powerplant equipment; routine operations and maintenance of joint operations of powerplant and dam components; encroachment resolutions; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages and provide revenue to the Treasury.

ES: $222,000 – Funds will be used for routine operations and maintenance for environmental stewardship; administration of shoreline management plan; ensure cultural, archeological and historical resources are protected; and compliance with the Endangered Species Act.

WS: $10,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Greers Ferry Lake, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Heyburn Lake, OK

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: Heyburn Lake is located at river mile 48.6 on Polecat Creek, a tributary of the Arkansas River, about 11 miles southwest of the town of Sapulpa in Creek County, Oklahoma. This is a multi-purpose project with flood control and conservation (water supply, recreation, and fish and wildlife) outputs. The project consists of a 2,920 foot long rolled earth-filled embankment with an uncontrolled spillway. At conservation pool the lake covers 877 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $453,000
PRESIDENT'S BUDGET FOR FY 2011: $603,000
BUDGET FOR FY 2012: M: $141,000 **O**: $493,000 **T**: $634,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $380,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $239,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $10,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $5,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Heyburn Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hords Creek Lake, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Hords Creek Lake is located in Coleman County, about 13 miles west of the city of Coleman, Texas. The project consists of an earthfill embankment and one conduit controlled by two gates. The water supply outlet is cast iron pipe and the controlled conduit outlet has two slide gates. Flood control storage is 16,670 acre-feet and water supply storage is 5,684 acre-feet. Three recreation areas comprise 1,215 acres. 2010 visitation totaled 933,640 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $551,000
PRESIDENT'S BUDGET FOR FY 2011: $1,708,000
BUDGET FOR FY 2012: M: $383,000 **O**: $1,252,000 **T**: $1,635,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $795,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities; and, repair hydraulic pumps for flood gates.

REC: $775,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $65,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Houston Ship Channel, TX

AUTHORIZATION: House Document 101 (30), PL 104-303

LOCATION AND DESCRIPTION: The Houston Ship Channel is a 54.0 mile long deep draft waterway which extends from Bolivar Roads near Galveston, Texas, north through Galveston Bay, the San Jacinto River, and Buffalo Bayou to a Main Turning Basin at Houston, Texas. The project also includes a 6.5 mile long shallow draft reach. The Light Draft Channel extends upstream of the Main Turning Basin.

RECOVERY ACT ALLOCATIONS TO DATE: $42,700,000
PRESIDENT'S BUDGET FOR FY 2011: $17,978,000
BUDGET FOR FY 2012: M: $18,188,000 **O**: $0 **T**: $18,188,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $18,188,000 – Funding provides for maintenance dredging of various reaches of the Houston Ship Channel (HSC), along the 52 mile waterway, with upland, confined disposal. These funds would improve navigation performance and reliability.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hugo Lake, OK

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: Hugo Lake is located on the Kiamichi River at river mile 17.6, about 7 miles east of the town of Hugo in Choctaw County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality, recreation, and fish and wildlife outputs. The project consists of a 10,200 foot long rolled earth-filled embankment with a gate controlled, concrete gravity ogee weir spillway with six 40x50 foot gates. At conservation pool the lake covers 13,144 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $840,000
PRESIDENT'S BUDGET FOR FY 2011: $1,748,000
BUDGET FOR FY 2012: M: $106,000 **O**: $1,443,000 **T**: $1,549,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $712,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $761,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $71,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $5,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Hugo Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hulah Lake, OK

AUTHORIZATION: Flood Control Act of 1936

LOCATION AND DESCRIPTION: Hulah Lake is located at river mile 96.2 on the Caney River, a tributary of the Verdigris River, about 15 miles northwest of the town of Bartlesville in Osage County, Oklahoma. This is a multi-purpose project with flood control, water supply, low flow regulation, and conservation outputs. The project consists of a 10,200 foot long rolled earth-filled embankment with a gate controlled, concrete gravity ogee weir spillway with ten 40x25 foot tainter gates. At conservation pool the lake covers 3,120 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $558,000
PRESIDENT'S BUDGET FOR FY 2011: $901,000
BUDGET FOR FY 2012: **M**: $259,000 **O**: $513,000 **T**: $772,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $692,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $50,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $25,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $5,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Jim Chapman Lake, TX

AUTHORIZATION: Flood Control Act of 1954 as amended by the Flood Control Act of 1955

LOCATION AND DESCRIPTION: Jim Chapman Lake is located on the South Sulphur River in Delta and Hopkins Counties, about four miles southeast of the city of Cooper, Texas. The project consists of an earthfill embankment, an uncontrolled spillway, and an outlet works tower. Five recreation areas comprise 2,977 acres. 2010 visitation totaled 3,990,070 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $1,543,000
PRESIDENT'S BUDGET FOR FY 2011: $1,939,000
BUDGET FOR FY 2012: M: $ 448,000 **O**: $1,138,000 **T**: $1,586,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $922,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $151,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $480,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $33,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Joe Pool Lake, TX

AUTHORIZATION: River and Harbor Act of 1965

LOCATION AND DESCRIPTION: Joe Pool Lake is located in Dallas, Tarrant and Ellis Counties, about 10 miles southwest of the city of Dallas. The project consists of an earthfill dam with uncontrolled concrete spillway. Total storage capacity is 304,500 acre-feet (flood control 127,200 acre-feet, water supply 142,900 acre-feet, and sediment reserve 38,000 acre-feet). There are five recreation areas with 3,730 acres. 2010 visitation totaled 7,548,560 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $2,531,000
PRESIDENT'S BUDGET FOR FY 2011: $1,094,000
BUDGET FOR FY 2012: **M**: $1,229,000 **O**: $727,000 **T**: $1,956,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,619,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities: and, repair embankment seepage area.

REC: $63,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $248,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $26,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: John Redmond Dam and Reservoir, KS

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION: John Redmond Dam and Reservoir is located on the Grand (Neosho) River at river mile 343.7, about 3 miles northwest of the town of Burlington in Coffey County, Kansas. This is a multi-purpose project with flood control, water supply, water quality control, and recreation outputs. The project is additionally operated for wildlife objectives. The project consists of a 21,790 foot long structure made up of an earth-filled embankment and a gated ogee weir, concrete spillway with fourteen 40x35 foot high tainter gates located in the left abutment. At conservation pool the lake covers 8,084 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $4,683,000
PRESIDENT'S BUDGET FOR FY 2011: $1,760,000
BUDGET FOR FY 2012: M: $334,000 **O**: $1,119,000 **T**: $1,453,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,082,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $298,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

HYD: N/A

ES: $63,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $10,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kaw Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Kaw Lake is located on the Arkansas River at river mile 653.7, about 8 miles east of the town of Ponca City in Kay County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality, hydropower, recreation, and fish and wildlife outputs. The project consists of a 9,466 foot long rolled earth-filled embankment with a gate controlled, concrete gravity ogee weir spillway with eight 50x47 foot tainter gates. A single 37 kW generator operated by run of the river is located at the project. At conservation pool the lake covers 16,750 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $2,349,000
PRESIDENT'S BUDGET FOR FY 2011: $2,121,000
BUDGET FOR FY 2012: M: $290,000 **O**: $1,859,000 **T**: $2,149,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,094,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $793,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $238,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $24,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Keystone Lake, OK

AUTHORIZATION: River and Harbor Act of 1950

LOCATION AND DESCRIPTION: Keystone Lake is located on the Arkansas River at river mile 538.8, about 15 miles west of Tulsa in Tulsa County, Oklahoma. This is a multi-purpose project with flood control, water supply, hydroelectric power, navigation, and fish and wildlife outputs. The project consists of a 4,600 foot long rolled earth-filled embankment with a concrete, gated ogee weir controlled spillway with eighteen 40x35 foot tainter gates. The project contains two 35,000 kW hydropower generator units. At conservation pool the lake covers 23,610 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $1,634,000
PRESIDENT'S BUDGET FOR FY 2011: $5,006,000
BUDGET FOR FY 2012: M: $4,473,000 **O**: $2,598,000 **T**: $7,071,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $261,000 - Funds will be used for limited operations and maintenance of structures for navigation water releases for the McClellan-Kerr Arkansas River Navigation System.

FRM: $4,143,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $985,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: $1,403,000 - Funds will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

ES: $274,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $5,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Keystone Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lake Kemp, TX

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Lake Kemp is located on the Wichita River at river mile 126.7, about 40 miles southwest of the town of Wichita Falls in Wichita County, Texas. This is a multi-purpose project with flood control and conservation outputs. The project consists of a rolled earth-filled embankment and spillway having a total length of 8,890 feet and rising to a maximum height of 115 feet above the streambed. At top of flood control pool the lake covers 15,590 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $467,000
BUDGET FOR FY 2012: M: $35,000 **O**: $148,000 **T**: $183,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $183,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lavon Lake, TX

AUTHORIZATION: River and Harbor Act of 1945 and the Flood Control Acts of 1946 and 1962

LOCATION AND DESCRIPTION: Lavon Lake is located in Collin County, on the East Fork of the Trinity River, about 22 miles northeast of the city of Dallas, Texas. The project consists of an earth embankment, a gate-controlled concrete spillway with twelve tainter gates, and five gate controlled conduits. Flood control storage is 291,600 acre-feet and water supply storage is 443,800 acre-feet. Nineteen recreation areas comprise 2,834 acres. 2010 visitation totaled 5,563,228 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $2,413,000
PRESIDENT'S BUDGET FOR FY 2011: $3,135,000
BUDGET FOR FY 2012: **M**: $701,000 **O**: $2,361,000 **T**: $3,062,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,278,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,568,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $183,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $33,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lewisville Dam, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Lewisville Dam is located in Denton County on the Elm Fork of the Trinity River, 30 river miles above its confluence with the Trinity River, and 22 miles northwest of the city of Dallas, Texas. The project consists of a rolled earthfill dam, 32,888 feet in length, with a 16-foot diameter flood conduit, controlled by three (6.5-foot x 13-foot) broom-type gates and a 560-foot concrete spillway. Flood control storage capacity is 340,800 acre-feet and conservation/water supply storage is 598,400 acre-feet. Lewisville Dam has twenty-five recreation areas comprising 4,014 acres. 2010 visitation totaled 15,142,130 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $3,542,000
BUDGET FOR FY 2012: M: $573,000 **O**: $2,626,000 **T**: $3,199,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,635,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,290,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $233,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $41,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Marion Lake, KS

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION: Marion Lake is located on the Cottonwood River at river mile 126.7, about 3 miles northwest of the town of Marion in Marion County, Kansas. This is a multi-purpose project with flood control, water supply, water quality, and recreation outputs. The project consists of an 8,375 foot long rolled earth-filled embankment with a gate-controlled, concrete gravity ogee weir containing three 40x40 foot tainter gates. At conservation pool the lake covers 6,210 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $9,084,000
PRESIDENT'S BUDGET FOR FY 2011: $1,613,000
BUDGET FOR FY 2012: M: $284,000 **O**: $1,501,000 **T**: $1,785,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,012,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $711,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

HYD: N/A

ES: $52,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $10,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Matagorda Ship Channel, TX

AUTHORIZATION: House Document 388, 84th Congress, 2nd Session

LOCATION AND DESCRIPTION: The project consists of a 38' deep X 300' wide entrance channel through a jettied entrance and a 36' draft X 200' wide main channel that extends 25.2 miles and terminates at a 1000' X 1000' wide turning basin at Point Comfort. The navigation project is located in the vicinities of Port O'Connor, Port Lavaca, and Point Comfort in Matagorda, Calhoun Counties, Texas.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $3,024,000
BUDGET FOR FY 2012: M: $4,307,000 **O**: $0 **T**: $4,307,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $4,307,000 – Activities include dredging the Gallinipper Point to Point Comfort Matagorda Ship Channel to project depth only and continuing the Jetty Evaluation Study. These funds would improve navigation performance and reliability and would provide for 3 months level of service at the authorized project depth.

FRM: NA

REC: NA

HYD: NA

ES: NA

WS: NA

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: McClellan-Kerr Arkansas River Navigation System, AR

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: The 445-mile long McClellan-Kerr Arkansas River Navigation System (MKARNS) consists of 18 locks and dams, providing a 9-foot deep inland navigation channel from the Mississippi River to Catoosa, Oklahoma. The system includes the Arkansas, White and Verdigris Rivers, and the authorized purposes include navigation, environmental stewardship and recreation.

RECOVERY ACT ALLOCATIONS TO DATE: $55,618,000
PRESIDENT'S BUDGET FOR FY 2011: $33,553,000
BUDGET FOR FY 2012: **M**: $12,263,000 **O**: $14,347,000 **T**: $26,610,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $21,674,000 – Funds will be used for routine operations and maintenance for navigation required for pool regulation and lock operations; critical fleet maintenance support; perform failure diagnostics and repairs; perform dam safety monitoring; channel maintenance to include dredging; and limited repair of structures; annual periodic inspections; and critical cyclical maintenance. These funds would improve navigation performance by increasing the availability and reliability of the system and provide for decreased future repair costs due to continual deferred maintenance.

FRM: N/A

REC: $4,571,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance; and water management of water control data systems.

HYD: N/A

ES: $365,000 – Funds will be used for routine operations and maintenance for environmental stewardship; monitoring and control of invasive species; managing efforts to preserve historic, cultural and natural aspects in accordance with the National Environmental Policy Act; habitat sustainability and monitoring of interior least terns; and prescribed burning.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: McClellan-Kerr Arkansas River Navigation System, OK

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: The McClellan-Kerr Arkansas River Navigation System provides a route from the Mississippi River through Arkansas and Oklahoma to the head of navigation at the Port of Catoosa near Tulsa, Oklahoma. The navigation channel has a minimum depth of 9 feet and minimum widths of 250 feet on the Arkansas River and 150 feet on the Verdigris River. Total length of the Tulsa District portion of the system is 137 navigation miles. The three locks on the project have chambers that are 110x600 feet in size with 20-21 foot normal lifts.

RECOVERY ACT ALLOCATIONS TO DATE: $11,749,000
PRESIDENT'S BUDGET FOR FY 2011: $5,794,000
BUDGET FOR FY 2012: M: $2,001,000 **O**: $4,826,000 **T**: $6,827,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $6,441,000 - Funds will be used for routine operations and maintenance for navigation, including critical fleet maintenance support; channel dredging and upland disposal of dredged material; navigation portion of joint costs for dam safety data; implementation of risk reduction measures; and critical lock and dam inspections.

FRM: N/A

REC: $326,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: N/A

ES: $60,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Millwood Lake, AR

AUTHORIZATION: Flood Control Act of 1946 as modified by the Flood Control Act of 1958

LOCATION AND DESCRIPTION: Millwood Lake is located on the Little River, Ashdown, Arkansas. The lake was constructed for the primary purpose of flood damage reduction.

RECOVERY ACT ALLOCATIONS TO DATE: $78,000
PRESIDENT'S BUDGET FOR FY 2011: $4,802,000
BUDGET FOR FY 2012: M: $639,000 **O:** $1,919,000 **T**: $2,558,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,684,000 – Funds will be used for routine operations and maintenance for flood risk management; essential inspection and maintenance of FRM structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; periodic inspection of vehicle bridges; maintenance of tractor slide gates, hoists, overhead crane and emergency generator; and repair Okay Levee and replace submersible pump. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

REC: $749,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

HYD: N/A

ES: $116,000 – Funds will be used for routine operations and maintenance for environmental stewardship; complete prescribed burning; stump grinding; wildlife habitat creation plots; encroachment detection and mitigation; boundary inspection and maintenance; monitoring and protection of known archeological resources; and identification and protection of endangered species in accordance with the Endangered Species Act.

WS: $9,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Millwood Lake, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Navarro Mills Lake, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Navarro Mills Lake is located in Navarro County on Richland Creek, Trinity River Basin, and is 16 miles southwest of the city of Corsicana, Texas. The project consists of an earthfill dam, a controlled spillway using six tainter gates and two conduits controlled by slide gates. Flood storage capacity is 149,200 acre-feet. Six recreation areas comprise 1,195 acres. 2010 visitation totaled 5,256,095 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $10,464,000
PRESIDENT'S BUDGET FOR FY 2011: $2,767,000
BUDGET FOR FY 2012: M: $853,000 **O**: $2,014,000 **T**: $2,867,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,622,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,121,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $87,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $37,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Nimrod Lake, AR

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: The project is located in Yell and Perry Counties, Arkansas. Nimrod Lake is located on the Fourche LaFave River, Plainview, Arkansas. The primary purpose of the project is flood damage reduction.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $1,957,000
BUDGET FOR FY 2012: M: $523,000 **O**: $1,659,000 **T**: $2,182,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,435,000 – Funds will be used for routine operations and maintenance for flood risk management of the dam, reservoir, service facilities, and permanent operating equipment; and maintenance of 2 Howell-Bunger valves and 7 sluice (slide) gates, hoists, overhead crane, and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide for increased efficiency, and lower future repair costs.

REC: $513,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

HYD: N/A

ES: $223,000 – Funds will be used for routine operations and maintenance for environmental stewardship; sustain existing forest, fish, wildlife and other natural resources; ensure historical, archeological and cultural resources are protected from vandalism; and management and operations to support special status species and endangered species in accordance with the Endangered Species Act.

WS: $4,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Nimrod Lake, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Norfork Lake, AR

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Norfork Lake is located in Baxter County, Arkansas and Ozark County, Missouri. Norfork Lake is one of the five multiple-purpose projects in the White River Basin constructed for flood damage reduction and the generation of hydropower. The project contains two 40,250 kW hydropower generation units.

RECOVERY ACT ALLOCATIONS TO DATE: $1,675,000
PRESIDENT'S BUDGET FOR FY 2011: $6,224,000
BUDGET FOR FY 2012: M: $5,870,000 **O**: $3,221,000 **T**: $9,091,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $6,455,000 – Funds will be used for routine operations and maintenance for flood risk management; cyclical maintenance of 12 tainter gates, sluice gates, overhead crane, and emergency generator; repair of substandard girder flange welds; and clean, refurbish and paint 3 of the 12 tainter gates, trunnion arms, side seals and operating machinery; and critical routine operations and maintenance for the joint costs associated with the dam, powerplant and project. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide for increased efficiency, and lower future repair costs.

REC: $1,254,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance; and water management of water control data systems.

HYD: $1,155,000 – Funds will be used for routine operations and maintenance for hydropower generations and powerplant equipment; routine operations and maintenance of joint operations of powerplant and dam components; encroachment resolutions; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages and provide revenue to the Treasury.

ES: $223,000 – Funds will be used for routine operations and maintenance for environmental stewardship; provides protection, monitoring and management of project natural resources; complies with the Endangered Species Act; complies with the statutory mandates of the Forest Cover Act; development of resource management plans; and complies with Archeological Resources Protection Act.

WS: $4,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Norfork Lake, AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: North San Gabriel Dam and Lake Georgetown, TX

AUTHORIZATION: Flood Control Acts of 1954 and 1962

LOCATION AND DESCRIPTION: The North San Gabriel Dam and Lake Georgetown are located on the North Fork of the San Gabriel River in Williamson County, about 3.5 miles west of the city of Georgetown, Texas. The project consists of a rockfill dam with impervious earth core. Flood control outlet works include two hydraulically operated gates. Conservation/water supply storage is 29,200 acre-feet and flood control storage capacity is 93,700 acre-feet. Five recreation areas comprise 1,638 acres. 2010 visitation totaled 3,339,665 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $1,545,000
PRESIDENT'S BUDGET FOR FY 2011: $2,536,000
BUDGET FOR FY 2012: M: $416,000 **O**: $2,031,000 **T**: $2,447,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,199,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,034,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $189,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $25,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: O. C. Fisher Dam and Lake, TX

AUTHORIZATION: Flood Control Acts of 1941 and 1944

LOCATION AND DESCRIPTION: O. C. Fisher Dam and Lake is located in Tom Green County, on the North Concho River, near the city of San Angelo, Texas. The project consists of an earth embankment, an uncontrolled spillway, gate-controlled intakes, and two flood control conduits. Flood control storage is 276,900 acre-feet and water supply storage is 79,500 acre-feet. Seven recreation areas comprise 4,710 acres. 2010 visitation totaled 556,200 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $1,373,000
BUDGET FOR FY 2012: M: $1,149,000 **O**: $653,000 **T**: $1,802,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,645,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $78,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $51,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $28,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Oologah Lake, OK

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Oologah Lake is located on the Verdigris River at river mile 90.2, about 2 miles southeast of the town of Oologah in Rogers County, Oklahoma. This is a multi-purpose project with flood control, water supply, navigation, recreation, and fish and wildlife outputs. The project consists of a 4,000 foot long rolled earth-filled embankment with a gate controlled, modified concrete gravity ogee weir spillway with seven 40x21 foot high radial gates. At conservation pool the lake covers 31,043 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $1,892,000
PRESIDENT'S BUDGET FOR FY 2011: $2,089,000
BUDGET FOR FY 2012: M: $2,412,000 **O**: $1,957,000 **T**: $4,369,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $3,202,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $1,053,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $90,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $24,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Optima Lake, OK

AUTHORIZATION: Flood Control Act of 1936 as amended by the Flood Control Act of 1950

LOCATION AND DESCRIPTION: Optima Lake is located on the North Canadian River at river mile 623.2, about 4.5 miles northeast of the town of Hardesty in Texas County, Oklahoma. This is a multi-purpose project with flood control, water supply, recreation, and fish and wildlife outputs. The project consists of a 16,900 foot long rolled earth-filled embankment with an uncontrolled emergency spillway. At conservation pool the lake covers 5,340 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $213,000
PRESIDENT'S BUDGET FOR FY 2011: $197,000
BUDGET FOR FY 2012: **M**: $32,000 **O**: $0 **T**: $32,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $32,000 - Funds will be used for minimal maintenance and inspection of project structures as required by regulation and sound engineering judgment.

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: Funds are sufficient to ensure the safety, security, and integrity of the project. In order to reduce annual Civil Works O&M costs, 12,400 acres of the 13,250 acres of Federal lands at Optima Lake are being managed by the U.S. Fish and Wildlife Service and the Oklahoma Department of Wildlife Conservation under licensing and cooperative agreements.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ozark-Jeta Taylor Lock & Dam, AR

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: This project is located in Franklin, Johnson, and Crawford Counties, Arkansas. Ozark-Jeta Taylor Lock and Dam is located on the McClellan-Kerr Arkansas River Navigation System and the project purposes include recreation, hydropower, and navigation. The project contains five inclined axis 20,000 kW hydropower generator units.

RECOVERY ACT ALLOCATIONS TO DATE: $4,332,000
PRESIDENT'S BUDGET FOR FY 2011: $5,485,000
BUDGET FOR FY 2012: M: $2,205,000 **O:** $3,859,000 **T**: $6,064,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $2,932,000 – Funds will be used for routine operations and maintenance for navigation required for pool regulation and lock operations; perform failure diagnostics and repairs; channel maintenance to include dredging; critical cyclical maintenance; and limited repair of structures. These funds would improve navigation performance by increasing the availability and reliability of the system and provide for decreased future repair costs due to continual deferred maintenance.

FRM: N/A

REC: $1,248,000 – Funds will be useds for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance; and water management of water control data systems.

HYD: $1,778,000 – Funds will be used for routine operations and maintenance for hydropower generations and powerplant equipment; routine operations and maintenance of joint operations and powerplant and dam components; encroachment resolutions; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance by increasing unit availability, thus reducing long-term forced outages, and would provide for increased revenue to the Treasury.

ES: $106,000 – Funds will be used for routine operations and maintenance for environmental stewardship; monitoring and protection of known archeological sites; compliance with the Endangered Species Act; identification and protection of nesting sites; habitat management and compliance; outgrant compliance; utilization inspections; and management activities.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pat Mayse Lake, TX

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Pat Mayse Lake is located at river mile 4.6 on Sanders Creek, a tributary of the Red River, about 12 miles north of the town of Paris in Lamar County, Texas. This is a multi-purpose project with flood control, water supply, recreation, and fish and wildlife outputs. The project consists of an 8,780 foot long rolled earth-filled embankment with an uncontrolled spillway. At conservation pool the lake covers 5,940 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $992,000
BUDGET FOR FY 2012: **M**: $32,000 **O**: $1,179,000 **T**: $1,211,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $706,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $453,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: N/A

ES: $42,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $10,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pearson-Skubitz Big Hill Lake, KS

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Pearson-Skubitz Big Hill Lake is located at river mile 33.3 on Big Hill Creek, a tributary of the Verdigris River, about 4.5 miles east of the town of Cherryvale in Labette County, Kansas. This is a multi-purpose project with flood control, water supply, recreation, and fish and wildlife outputs. The project consists of a rolled earth-filled embankment that is 3,902 feet long with a broad crested weir and two drop inlet structures. At conservation pool the lake covers 1,240 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $1,811,000
PRESIDENT'S BUDGET FOR FY 2011: $1,332,000
BUDGET FOR FY 2012: M: $99,000 **O**: $1,224,000 **T**: $1,323,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $619,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $661,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

HYD: N/A

ES: $25,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $18,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pensacola Reservoir, Lake of the Cherokees, OK

AUTHORIZATION: Flood Control Act of 1941

LOCATION AND DESCRIPTION: Pensacola Reservoir, Lake of the Cherokees, is located on the Grand (Neosho) River at river mile 77.0 about 13 miles southeast of the town of Vinita in Mayes and Delaware Counties, Oklahoma. This is a multi-purpose project with hydroelectric power and flood control outputs. The project consists of a concrete, multiple-arch dam with gated spillways. The total length of the dam and spillways is 6,565 feet. The main spillway is equipped with twenty-one 36x25 foot tainter gates, while the two east spillways are equipped with twenty-one 37x15 foot tainter gates. A total of six 20,000 kW power generating units are located within the structure. At power pool the lake covers 46,500 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $167,000
BUDGET FOR FY 2012: M: $0 **O**: $128,000 **T**: $128,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $128,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Pensacola Reservoir, Lake of the Cherokees, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pine Creek Lake, OK

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Pine Creek Lake is located on the Little River at river mile 145.3, about 5 miles northwest of the town of Wright City in McCurtain County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality, fish and wildlife, and recreation outputs. The project consists of a 7,712 foot long rolled earth-filled embankment with an uncontrolled, gravity ogee weir spillway. At conservation pool the lake covers 3,750 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $2,178,000
PRESIDENT'S BUDGET FOR FY 2011: $1,032,000
BUDGET FOR FY 2012: **M**: $235,000 **O**: $1,019,000 **T**: $1,254,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $843,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $361,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $40,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $10,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Proctor Lake, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Proctor Lake is located in Comanche County on the Leon River, about eight miles northeast of the city of Comanche, Texas. The project consists of an earthfill dam with concrete spillway, which is controlled by eleven tainter gates and two low flow conduits. Flood control storage is 314,800 acre-feet and water supply storage is 60,524 acre-feet. Four recreation areas comprise 1,210 acres. 2010 visitation totaled 2,263,894 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $6,414,000
PRESIDENT'S BUDGET FOR FY 2011: $2,336,000
BUDGET FOR FY 2012: M: $1,677,000 **O**: $1,849,000 **T**: $3,526,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $2,463,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities; and repair and install additional piezometers.

REC: $962,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $68,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $33,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ray Roberts Lake, TX

AUTHORIZATION: Flood Control Act of 1965

LOCATION AND DESCRIPTION: Ray Roberts Lake is located in Denton, Cook and Grayson Counties, near the city of Denton, Texas. The project consists of an earthfill dam, an uncontrolled spillway, and a gated conduit through the dam with two sluice gates. Flood control storage capacity is 52,400 acre-feet. Ten recreation areas comprise 3,810 acres. 2010 visitation totaled 20,149,953 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $1,211,000
PRESIDENT'S BUDGET FOR FY 2011: $1,525,000
BUDGET FOR FY 2012: M: $981,000 **O**: $941,000 $1,922,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,709,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $87,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $97,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $29,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Robert S. Kerr Lock and Dam and Reservoir, OK

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: Robert S. Kerr Lock and Dam and Reservoir is located on the Arkansas River at navigation mile 336.2, about 8 miles south of the town of Sallisaw in LeFlore County, Oklahoma. This is a multi-purpose project with navigation, hydroelectric power, and recreation outputs. The project consists of a 7,230 foot long rolled earth-filled embankment with a concrete, gated ogee weir controlled spillway with eighteen 50x44 foot tainter gates. The lock is a single-lift Ohio River type with a 110x600 foot long chamber and a normal lift of 48 feet. The project contains four 27,500 kW hydropower generator units. At top of power pool the lake covers 43,796 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $4,692,000
PRESIDENT'S BUDGET FOR FY 2011: $7,604,000
BUDGET FOR FY 2012: **M**: $2,091,000 **O**: $3,308,000 **T**: $5,399,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $2,483,000 - funding provides for routine operations and maintenance for navigation, including critical fleet maintenance support; channel dredging and upland disposal of dredged material; navigation portion of joint costs for dam safety data; implementation of risk reduction measures; and critical lock and dam inspections.

FRM: N/A

REC: $430,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: $2,340,000 - Funds will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

ES: $146,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Robert S. Kerr Lock and Dam and Reservoir, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sabine-Neches Waterway, TX

AUTHORIZATION: House Document 553, 87th Congress, 2nd Session

LOCATION AND DESCRIPTION: The Sabine-Neches Waterway (SNWW) is a 64 mile deep draft ship channel which extends from the 42-foot contour in the Gulf of Mexico through a jettied channel to Port Arthur, to Beaumont via the Neches River Channel, and to Orange via the north part of Sabine Lake and continues via the Sabine River Channel. The project is located in the vicinities of Beaumont, Port Arthur, Orange, and Sabine Pass in Jefferson and Orange Counties, Texas, and Cameron and Calcasieu Parishes, Louisiana.

RECOVERY ACT ALLOCATIONS TO DATE: $15,765,000
PRESIDENT'S BUDGET FOR FY 2011: $14,330,000
BUDGET FOR FY 2012: M: $13,795,000 **O**: $387,000 **T**: $14,182,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR (by Business Line) FY 2012:

N: $14,182,000 – Funding provides for routine operations and maintenance of the facilities at the Neches River Saltwater Barrier facilities, annual maintenance dredging of Port Arthur Canal and Turning Basin, and Outer Bar along the SNWW complex. These funds would improve navigation performance and reliability.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWG Project Name: Sabine-Neches Waterway, TX

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sam Rayburn Dam and Reservoir, TX

AUTHORIZATION: River and Harbor Acts of 1945 and 1948

LOCATION AND DESCRIPTION: The Sam Rayburn Dam and Reservoir project is located in Angelina, San Augustine, Sabine, Nacogdoches, and Jasper Counties, on the Angelina River, about ten miles northwest of the city of Jasper, Texas. Features of the dam include: an earth embankment, combined concrete power intake and flood control outlet works, a labyrinth weir spillway, and two gate controlled conduits. Flood control storage capacity is 1,099,500 acre-feet, power pool storage is 1,446,500 acre-feet, and water supply storage is 43,000 acre-feet. Twenty-eight recreation areas comprise 3,151 acres. 2010 visitation totaled 16,522,375 visitor hours. The project contains two 30,000 kW hydropower generation units.

RECOVERY ACT ALLOCATIONS TO DATE: $5,341,000
PRESIDENT'S BUDGET FOR FY 2011: $6,396,000
BUDGET FOR FY 2012: M: $1,162,000 **O**: $3,883,000 **T**: $5,045,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $494,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,577,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: $1,918,000 - Funds will be used to operate and maintain hydropower plants as designed.

ES: $1,022,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $34,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sardis Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Sardis Lake is located at river mile 2.8 on Jackfork Creek, a tributary of the Kiamichi River, about 2.5 miles north of the town of Clayton in Pushmataha County, Oklahoma. This is a multi-purpose project with flood control, water supply, recreation, and fish and wildlife outputs. The project consists of a 14,138 foot long rolled earth-filled embankment with an uncontrolled spillway and a gate tower with two 4x12 foot wheel gates. At conservation pool the lake covers 13,610 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $1,565,000
PRESIDENT'S BUDGET FOR FY 2011: $1,130,000
BUDGET FOR FY 2012: M: $109,000 **O**: $893,000 **T**: $1,002,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $689,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $249,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $46,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $18,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Skiatook Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Skiatook Lake is located at river mile 14.3 on Hominy Creek, a tributary of Bird Creek, about 5 miles west of the town of Skiatook in Osage County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality control, recreation, and fish and wildlife outputs. The project consists of a 3,590 foot long rolled earth-filled embankment with an uncontrolled spillway and a gate tower with two 4x10 foot gates. At conservation pool the lake covers 10,190 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $1,263,000
PRESIDENT'S BUDGET FOR FY 2011: $1,465,000
BUDGET FOR FY 2012: M: $437,000 **O**: $1,330,000 **T**: $1,767,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $944,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $751,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $48,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $24,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Somerville Lake, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Somerville Lake is located in Burleson, Lee and Washington Counties, on Yegua Creek, about two miles south of the city of Somerville, Texas. The project consists of an earthfill dam, a dike, an uncontrolled spillway, and one gate controlled outlet with gated conduit. Flood control storage capacity is 347,400 acre-feet and conservation/water supply storage is 158,900 acre-feet. Eleven recreation areas comprise 3,599 acres. 2010 visitation totaled 12,609,168 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $14,147,000
PRESIDENT'S BUDGET FOR FY 2011: $3,292,000
BUDGET FOR FY 2012: M: $558,000 **O**: $2,688,000 $3,246,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,571,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities; replace vent tube in right gate valve; and repair/replace damaged seals on flood gate #2.

REC: $1,447,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $200,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $28,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Stillhouse Hollow Dam, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Stillhouse Hollow Lake is located in Bell County on the Lampasas River, 16 river miles upstream from its confluence with the Little River, and five miles southwest of the city of Belton. The project consists of an earthfill flood control dam, a dike section, and an uncontrolled spillway. Flood control storage capacity is 394,700 acre-feet and conservation/water supply storage is 232,000 acre-feet. Controlled flood releases are accomplished through two hydraulically operated floodgates. Seven recreation areas comprise 2,089 acres. 2010 visitation totaled 1,096,938 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $564,000
PRESIDENT'S BUDGET FOR FY 2011: $2,150,000
BUDGET FOR FY 2012: M: $372,000 **O**: $1,715,000 **T**: $2,087,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $817,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,069,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $176,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $25,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Table Rock Lake, MO & AR

AUTHORIZATION: Flood Control Act of 1938 as amended by the Flood Control Acts of 1941 and 1944

LOCATION AND DESCRIPTION: Table Rock Lake is located in Branson, Missouri and is one of five multiple-purpose projects within the White River Basin. The primary purpose of the lake is power generation. The project contains four 50,000 kW hydropower generator units.

RECOVERY ACT ALLOCATIONS TO DATE: $14,374,000
PRESIDENT'S BUDGET FOR FY 2011: $8,293,000
BUDGET FOR FY 2012: M: $818,000 **O**: $ 6,264,000 **T**: $7,082,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,269,000 – Funds will be used for routine operations and maintenance for flood risk management; essential inspection and maintenance of FRM structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; critical routine operations and maintenance for the joint costs associated with the dam, powerplant and project; maintenance of tainter gates, sluice gates, overhead crane, and emergency generator; periodic inspection of vehicular bridge; and foundation core and stability analysis. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide increased efficiency, and lower future repair costs.

REC: $2,321,000 – Funds will be used for routine operations and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance; water management of water control data systems; and operation and maintenance of a visitor center.

HYD: $ 2,797,000 – Funds will be used for routine operations and maintenance for hydropower generations and powerplant equipment; routine operations and maintenance of joint operations of powerplant and dam components; encroachment resolutions; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages and provide revenue to the Treasury.

ES: $692,000 – Funds will be used for routine operations and maintenance for environmental stewardship; management of an extensive shoreline program; compliance with archeological mandates; compliance with the Endangered Species Act; regulate permits in regards to dock inspections and placement; and maintain the fee take line boundary.

WS: $3,000 – Funds will be used for routine operations and maintenance for water supply, to include monitoring water usage, billing and payment issues, and managing current contracts.

OTHER INFORMATION: None.

Division: SWD District: SWL Project Name: Table Rock Lake, MO & AR

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tenkiller Ferry Lake, OK

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Tenkiller Ferry Lake is located on the Illinois River at river mile 12.8, about 22 miles southeast of the town of Muskogee in Cherokee and Sequoyah Counties, Oklahoma. This is a multi-purpose project with flood control and hydroelectric power outputs. The project consists of a 3,000 foot long rolled earth-filled embankment with a concrete, gravity controlled spillway with ten 50x25 foot tainter gates. The project contains two 19,550 kW hydropower generator units. At conservation pool the lake covers 12,900 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $2,533,000
PRESIDENT'S BUDGET FOR FY 2011: $4,459,000
BUDGET FOR FY 2012: **M**: $1,000,000 **O**: $3,055,000 **T**: $4,055,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $726,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $1,593,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: $1,615,000 - Funds will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

ES: $102,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $19,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Tenkiller Ferry Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Texas City Ship Channel, TX

AUTHORIZATION: House Document 427, 86th Congress, 2nd Session

LOCATION AND DESCRIPTION: The Texas City Channel (TCC) is a 40 ft channel that extends 9.4 miles from intersection with the Galveston Entrance Channel to the Port of Texas City. The construction project to deepen ship channel to 45-foot was initiated in January 2009 with the deepening of the Main Turning Basin and will continue into 2011.

RECOVERY ACT ALLOCATIONS TO DATE: $2,863,000
PRESIDENT'S BUDGET FOR FY 2011: $1,436,000
BUDGET FOR FY 2012: M: $4,667,000 **O**: $0 **T**: $4,667,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $4,667,000 – Funds will be used to perform the first maintenance dredging of the 45 ft Main Channel and Turning Basin after the new work deepening of the channel. Funding will allow dredging to authorized project depth and advance maintenance.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Texas Water Allocation Assessment

AUTHORIZATION: Flood Control Act of 1970

LOCATION AND DESCRIPTION: The study area includes the state of Texas. The purpose of the study is to identify potential opportunities for the Corps to assist the state in meeting future water needs through immediate technical assistance, and/or through initiation of studies leading to possible implementation of cost-shared water resources projects.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $100,000
BUDGET FOR FY 2012: M: $0 **O**: $100,000 **T**: $100,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FDR: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: $100,000 - Funds will be used to continue support of state water planning initiatives currently underway, including Allens Creek Habitat Assessment and In-stream Flow Study, Gibbons Creek H&H Modeling and Mitigation Banking Assessments.

OTHER INFORMATION: Studies conducted under the TWAA program include hydrologic and hydraulic modeling, ground- and surface-water modeling, in-stream flow analyses, reservoir system assessments, reservoir yield studies, water-rights analysis modeling, reallocation guidance, basin studies, environmental assessments, hydrographic surveys, and obtaining digital orthophotos and digital elevation models.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Toronto Lake, KS

AUTHORIZATION: Flood Control Act of 1941

LOCATION AND DESCRIPTION: Toronto Lake is located on the Verdigris River at river mile 271.5, about 4 miles southeast of the town of Toronto in Woodson County, Kansas. This is a multi-purpose project with flood control, water supply, water quality, fish and wildlife, and recreation outputs. The project consists of a rolled impervious and random earth-filled embankment that is 4,712 feet long with a gate-controlled, concrete, gravity, ogee weir with eight 40x25 foot tainter gates. At conservation pool the lake covers 2,660 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $3,929,000
PRESIDENT'S BUDGET FOR FY 2011: $652,000
BUDGET FOR FY 2012: **M**: $166,000 **O**: $533,000 **T**: $699,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $618,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $22,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $54,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $5,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Town Bluff Dam, B.A.Steinhagen Lake, and the Robert Douglas Willis Hydropower Project, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Town Bluff Dam, B. A. Steinhagen Lake and the Robert Douglas Willis Hydropower Project are located in Tyler and Jasper Counties, on the Neches River, one-half mile from the city of Town Bluff, Texas. The project consists of an earth fill dam (6,698 feet long and 45 feet high), which serves as an uncontrolled spillway covered with six inches of reinforced concrete. The gated spillway has six (40-foot x 35-foot gates) and two (4-foot x 6-foot) gate-controlled conduit outlet facilities. Town Bluff serves as a re-regulating dam for Sam Rayburn power generation water releases. Lower Neches Valley Authority (LNVA) is permitted to make withdrawals not to exceed 2,000 CFS from Town Bluff. The lake has ten recreation areas comprising 2,185 acres. 2010 visitation totaled 4,522,217 visitor hours. The project contains two 3,700 kW hydropower generation units.

RECOVERY ACT ALLOCATIONS TO DATE: $575,000
PRESIDENT'S BUDGET FOR FY 2011: $2,666,000
BUDGET FOR FY 2012: M: $1,040,000 **O**: $1,895,000 **T**: $2,935,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,731,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $611,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: $384,000 - Funds will be used to operate and maintain hydropower plants as designed.

ES: $209,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Waco Lake, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Waco Lake is located in McLennan County on the Bosque River, 4.6 miles above its confluence with the Brazos River, and two miles west of Waco, Texas. The project consists of a rolled earth fill dam 24,618 feet long, 140 feet high, controlled spillway 560 feet long, controlled by fourteen (40-foot X 35-foot) tainter gates. One 20-foot diameter conduit in outlet works is controlled by three (6-foot, 8-inch x 20 foot) broom type tractor sluice gates, flood control storage capacity is 573,300 acre-feet and conservation/water supply storage is 135,700 acre-feet. Eleven recreation areas comprise 3,599 acres. 2010 visitation totaled 3,181,296 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $3,131,000
BUDGET FOR FY 2012: M: $617,000 **O**: $2,418,000 **T**: $3,035,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,561,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,266,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $181,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $27,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wallisville Lake, TX

AUTHORIZATION: River and Harbor Acts of 1945, 1946, and 1962 and the Supplemental Appropriations Act of 1983 (PL 98-63)

LOCATION AND DESCRIPTION: Wallisville Lake is a multiple purpose project built on the Trinity River to prevent salinity intrusion and provide water supply, recreation, navigation, and fish and wildlife enhancements. The project includes approximately 8 miles of earthen dam and an overflow spillway with a tainter gate assembly, and an 84 X 600 feet navigation lock with a sill depth of 16 feet for commerce and pleasure craft use. Construction initially began in the late 1960s but was stopped due to environmental concerns. Modifications resulted in a saltwater barrier project, with no reservoir pools, to emulate pre-project conditions as closely as possible. Construction resumed in 1996 and was completed in 1999.

RECOVERY ACT ALLOCATIONS TO DATE: $0
PRESIDENT'S BUDGET FOR FY 2011: $2,175,000
BUDGET FOR FY 2012: **M**: $405,000 **O**: $1,585,000 **T**: $1,990,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,990,000 – Activities include labor (district and field) and non-labor (field) costs for operating the project, implementing the stream gauging and water control bill-back programs. FY12 maintenance funds will be used for routine Project Maintenance.

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Waurika Lake, OK

AUTHORIZATION: PL 88-253

LOCATION AND DESCRIPTION: Waurika Lake is located at river mile 27.0 on Beaver Creek, a tributary of the Red River, about 6 miles northwest of the town of Waurika in Jefferson County, Oklahoma. This is a multi-purpose project with flood control, irrigation, water supply, water quality, recreation, and fish and wildlife outputs. The project consists of a 16,000 foot long rolled earth-filled embankment with an uncontrolled spillway. At conservation pool the lake covers 10,100 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $562,000
PRESIDENT'S BUDGET FOR FY 2011: $2,568,000
BUDGET FOR FY 2012: **M**: $335,000 **O**: $1,202,000 **T**: $1,537,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $980,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $442,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $82,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $33,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Webbers Falls Lock and Dam, OK

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: Webbers Falls Lock and Dam is located on the Arkansas River at navigation mile 366.6, about 5 miles northwest of the town of Webbers Falls in Muskogee County, Oklahoma. This is a multi-purpose project with navigation and hydroelectric power outputs. The project consists of a 4,370 foot long rolled earth-filled embankment with a concrete, gated ogee weir controlled spillway with twelve 50x41 foot tainter gates. The lock is a single-lift Ohio River type with a 110x600 foot long chamber and a normal lift of 30 feet. The project contains three inclined-axis hydropower generator units with a total capacity of 60MW. At top of power pool the lake covers 11,640 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $7,462,000
PRESIDENT'S BUDGET FOR FY 2011: $5,617,000
BUDGET FOR FY 2012: **M**: $1,670,000 **O**: $3,243,000 **T**: $4,913,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: $2,328,000 - Funds will be used for routine operations and maintenance for navigation, including critical fleet maintenance support; channel dredging and upland disposal of dredged material; navigation portion of joint costs for dam safety data; implementation of risk reduction measures; and critical lock and dam inspections.

FRM: N/A

REC: $630,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

HYD: $1,807,000 - Funds will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

ES: $148,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Webbers Falls Lock and Dam, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Whitney Lake, TX

AUTHORIZATION: Flood Control Acts of 1941 and 1944

LOCATION AND DESCRIPTION: Whitney Lake is located in Hill, Bosque and Johnson Counties at river mile 442 on the Brazos River, 5.5 miles southwest of the city of Whitney and 35 miles upstream from the city of Waco, Texas. One of the thirty-four recreation areas is Ham Creek Park which is located at the extreme upper end of Whitney Lake, on the Brazos River. Ham Creek Park will provide needed camping and recreational boating opportunities for the local area, the new residential development of The Retreat, and visitors from the Dallas/Fort Worth Metroplex area. 2010 visitation totaled 5,323,583 visitor hours. The project contains two 17,000 kW hydropower generating units.

RECOVERY ACT ALLOCATIONS TO DATE: $17,937,000
PRESIDENT'S BUDGET FOR FY 2011: $7,221,000
BUDGET FOR FY 2012: M: $565,000 **O**: $4,832,000 **T**: $5,397,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,381,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities.

REC: $1,874,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: $1,609,000 - Funds will be used to operate and maintain hydropower plants as designed.

ES: $511,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $22,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wister Lake, OK

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Wister Lake is located on the Poteau River at river mile 60.9, about 2 miles south of the town of Wister in LeFlore County, Oklahoma. This is a multi-purpose project with flood control, water supply, low flow augmentation, water conservation, and sedimentation outputs. The project consists of a 5,700 foot long rolled earth-filled embankment with an uncontrolled, concrete, chute-type spillway with a modified broad-crested weir. At conservation pool the lake covers 7,386 acres.

RECOVERY ACT ALLOCATIONS TO DATE: $1,295,000
PRESIDENT'S BUDGET FOR FY 2011: $922,000
BUDGET FOR FY 2012: **M**: $341,000 **O**: $890,000 **T**: $1,231,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $1,025,000 - Funds will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: $50,000 - Funds will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

HYD: N/A

ES: $129,000 - Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: $27,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.

Division: SWD District: SWT Project Name: Wister Lake, OK

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wright Patman Dam and Lake, TX

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: Wright Patman Dam and Lake is located in Cass and Bowie Counties, on the Sulphur River, and is nine miles southwest of the city of Texarkana. The project consists of an earthfill dam, uncontrolled spillway, two conduits, and four gates. Flood control storage is 2,329,100 acre-feet and water supply storage is 321,900 acre-feet. Twenty-three recreation areas consist of 3,243 acres. 2010 visitation totaled 9,861,838 visitor hours.

RECOVERY ACT ALLOCATIONS TO DATE: $4,036,000
PRESIDENT'S BUDGET FOR FY 2011: $3,804,000
BUDGET FOR FY 2012: **M**: $1,295,000 **O**: $2,552,000 **T**: $3,847,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS (by Business Line) FOR FY 2012:

N: N/A

FRM: $2,110,000 - Funds will be used to operate and maintain dams, levees, and other flood risk reduction facilities

REC: $1,399,000 - Funds will be used to operate and maintain parks and other public use areas.

HYD: N/A

ES: $311,000 - Funds will be used to identify, maintain, and protect natural and cultural resources.

WS: $27,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: None.