

DEPARTMENT OF THE ARMY

CORPS OF ENGINEERS

MISSISSIPPI VALLEY DIVISION

MISSISSIPPI RIVER COMMISSION

STATUS REPORT

OF

BRIGADIER GENERAL EDWIN J. ARNOLD, JR.,

COMMANDER, MISSISSIPPI VALLEY DIVISION  
AND

PRESIDENT, MISSISSIPPI RIVER COMMISSION

BEFORE THE

SUBCOMMITTEE ON ENERGY AND WATER DEVELOPMENT

COMMITTEE ON APPROPRIATIONS

UNITED STATES HOUSE OF REPRESENTATIVES

ON THE

FISCAL YEAR 2003 CIVIL WORKS BUDGET

FEBRUARY 27, 2002

## **STATUS REPORT**

Report of Brigadier General Edwin J. Arnold, Jr., Commander, Mississippi Valley Division and President, Mississippi River Commission.

### **AREA OF RESPONSIBILITY**

The Mississippi Valley Division area of responsibility encompasses 370,000 square miles along the Mississippi River from Canada to the Gulf of Mexico. This area includes all or portions of twelve states, 60 Congressional districts, and a population of 28 million people. Included are six district offices headquartered in St. Paul, Minnesota; Rock Island, Illinois; St. Louis, Missouri; Memphis, Tennessee; Vicksburg, Mississippi; and New Orleans, Louisiana. In addition to being Division Engineer of the Mississippi Valley Division, Brigadier General Arnold is also President of the Mississippi River Commission, which has civil works responsibility for the comprehensive and massive Mississippi River and Tributaries Project located in the alluvial valley of the Mississippi River from near Cape Girardeau, Missouri, to the Gulf of Mexico. Headquarters of the Mississippi Valley Division and the Mississippi River Commission are collocated in Vicksburg, Mississippi.

The Mississippi River and Tributaries Project provides a comprehensive flood control and navigation system consisting of 3,727 miles of levees and floodwalls, as well as dikes, revetments, and other features. This system is interstate in character. For example, flood protection in Louisiana is directly dependent on the integrity of the system in Arkansas. Since 1928, the nation has invested \$10.8 billion in this monumental undertaking. The return to the American people has been \$258 billion just in flood damages prevented. Total project benefits, including reduced transportation costs resulting from navigation, are estimated at \$404.7 billion.

### **FISCAL YEAR 2001 PROGRAM PERFORMANCE**

For Fiscal Year 2001, major emphasis continued on the development and execution of realistic and achievable schedules. In the General Investigations and Construction, General appropriations, 86 percent and 109 percent, respectively, of our scheduled funds were expended. In the Operations and Maintenance, General appropriation, 102 percent of scheduled funds were expended. Of the Mississippi River and Tributaries funds, 101 percent of scheduled funds were expended.

### **FISCAL YEAR 2002 PROGRAM MANAGEMENT**

For Fiscal Year 2002, performance goals in all appropriations will be met or exceeded and commitments to local sponsors of our projects will be kept.

## **FISCAL YEAR 2003 PROGRAM SUMMARY**

The Fiscal Year 2003 total program requirement for the Mississippi Valley Division and the Mississippi River Commission is \$806.2 million in new budget authority before assignment of savings and slippage. This compares to \$939.8 million allocated for Fiscal Year 2002. The Construction program accounts for \$264.3 million, or about 33 cents of each dollar; Operations and Maintenance of existing projects account for \$516.8 million, or about 64 cents of each dollar; General Investigations for potential projects account for \$18.1 million, or about 2 cents of each dollar; and a contingent adjustment for full funding of Federal Retiree costs accounts for \$7.0 million, or about 1 cent of each dollar.

### **MISSISSIPPI VALLEY DIVISION PROGRAM**

The Mississippi Valley Division program totals \$505.1 million for Fiscal Year 2003.

#### **GENERAL INVESTIGATIONS**

The Fiscal Year 2003 request for the General Investigations program is \$12.1 million. These funds will provide for initiation of five preconstruction engineering and design projects; continuation of three navigation studies, ten flood damage prevention studies, one special study, ten watershed/ecosystem studies, three comprehensive studies, one project review study, and nine preconstruction engineering and design projects; completion of one flood damage prevention study, one special study, and one watershed/ecosystem study.

#### **Surveys**

##### **Atchafalaya River, Bayous Chene, Boeuf and Black, Louisiana**

The study area is located in Assumption, Iberville and St. Mary Parishes in south-central Louisiana in the vicinity of Morgan City, Louisiana. The study will address the feasibility of providing deeper access channels to the facilities along the Atchafalaya River and Bayous Chene, Boeuf, and Black. Fiscal Year 2002 funds are being used to continue into the feasibility phase of the study. The funds requested for Fiscal Year 2003 will be used to continue the feasibility phase.

##### **Calcasieu Lock, Louisiana**

Calcasieu Lock is a feature of the Gulf Intracoastal Waterway Project between Apalachee Bay, Florida, and the Mexican Border. The lock, located east of the Calcasieu River in

Calcasieu Parish, prevents saltwater intrusion from the Gulf of Mexico into the Mermentau River Basin, a major rice producing area. This study is addressing the need for capacity increases at Calcasieu Lock. Funds available in Fiscal Year 2002 funds and the funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **Port of Iberia, Louisiana**

The Port of Iberia, Louisiana is located in Iberia Parish in south-central Louisiana. The study will investigate the feasibility of providing a deeper and wider access channel to the Port of Iberia through enlargement of the existing access channels. Fiscal Year 2002 funds are being used to complete the reconnaissance phase, and if the report is certified to be in accord with policy, continue into the feasibility phase. The funds requested for Fiscal Year 2003 will be used to continue the feasibility phase.

### **Des Moines and Raccoon Rivers, Iowa**

The Des Moines and Raccoon Rivers floodplains, located in Polk County, Iowa, continually sustain flood damages. During the 1993 flood, Polk County suffered more than \$152 million in flood damages. Fiscal Year 2002 funds and the funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **Lower Des Moines River, Iowa & Missouri**

The Lower Des Moines River study area is the reach of the river from Saylorville Reservoir to its confluence with the Mississippi River at Keokuk, Iowa. The impacts of farming practices, land-use changes, and urban floodplain use include increased erosion, sedimentation, and flooding, and degraded water quality and aquatic and terrestrial habitats. Fiscal Year 2002 funds are being used to initiate the reconnaissance phase of the study. Funds requested for Fiscal Year 2003 funds will be used to complete the reconnaissance phase, if the report is certified to be in accord with policy, and continue into the feasibility phase of the study.

### **Amite River and Tributaries, Bayou Manchac, Louisiana**

The study is investigating methods to provide flood protection for Iberville, East Baton Rouge, and Ascension Parishes, located in southeastern Louisiana. Fiscal Year 2002 funds are being used to initiate the feasibility phase. Funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **Calcasieu River Basin, Louisiana**

Calcasieu River Basin, Louisiana, is located in southwestern Louisiana and includes Vernon, Rapides, Beauregard, Allen, Calcasieu, Jefferson Davis, and Cameron Parishes. The study is addressing the feasibility of measures to reduce flooding and restore fish and wildlife habitat in the study area which includes headwater and backwater flooding from the Calcasieu

River in the Lake Charles area and in the Bayou Choupique area west of Sulphur, Louisiana. Fiscal Year 2002 funds are being used to complete the reconnaissance phase, and if the report is certified to be in accord with policy, continue into the feasibility phase of the study. Funds requested for Fiscal Year 2003 will be used to continue the feasibility study.

### **Hurricane Protection, Louisiana**

Hurricanes pose a significant threat to highly populated and industrial areas in southeastern Louisiana. The study will review the currently authorized hurricane protection projects and determine if modifications are required to provide a higher level of protection. Fiscal Year 2002 funds are being used to complete the reconnaissance phase. If the reconnaissance report is certified to be in accord with policy, the funds requested for Fiscal Year 2003 will be used to continue into the feasibility phase of the study.

### **Ouachita and Black Rivers, Louisiana and Arkansas**

The study area includes the Ouachita and Black Rivers in Louisiana and Arkansas between the Black River, Louisiana, and the Ouachita River, Arkansas, at the outlet of Rammel Dam. Fiscal Year 2002 funds are being used to initiate a reconnaissance study to assess critical bank caving problems. Fiscal Year 2003 funds will be used to complete the reconnaissance report.

### **Plaquemines Parish Urban Flood Control, Louisiana**

The study will address providing flood protection measures to Plaquemines Parish, Louisiana, located along both banks of the Mississippi River from New Orleans, Louisiana, to the river's mouth, a distance of about 80 miles. Fiscal Year 2002 funds are being used to continue into the feasibility phase of the study. The funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **St. Bernard Parish Urban Flood Control, Louisiana**

St. Bernard Parish is located on the east bank of the Mississippi River south of, and contiguous to, the City of New Orleans, Louisiana. Flood control improvements are needed to reduce repetitive damages to residential development. The funds available in Fiscal Year 2002 and the funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **St. Charles Parish Urban Flood Control, Louisiana**

St. Charles Parish is located on the east and west banks of the Mississippi River west of, but not contiguous to the city of New Orleans, Louisiana. The study will address flood protection improvements to reduce repetitive damages to residential development areas. Fiscal Year 2002 funds are being used to complete the reconnaissance phase, and if the reconnaissance

report is certified to be in accord with policy, continue into the feasibility phase of the study. The funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **St. John the Baptist Parish, Louisiana**

St. John the Baptist Parish is located along both banks of the Mississippi River about 20 miles west of New Orleans, Louisiana. The study will address flood protection improvements that are needed to reduce damages from rainfall flooding. Fiscal Year 2002 funds are being used to fully fund the reconnaissance phase. If the reconnaissance report is certified to be in accord with policy, the funds requested for Fiscal Year 2003 will be used to continue into the feasibility phase.

### **Pearl River Watershed, Mississippi**

The Pearl River Watershed study area consists of that portion of the Jackson, Mississippi, metropolitan area below the Ross Barnett Reservoir dam between river mile 270.0 and river mile 301.8 which is subject to flooding from the Pearl River. Funds available in Fiscal Year 2002 are being used to prepare a Project Management Plan and Feasibility Cost-Sharing Agreement. The funds requested for Fiscal Year 2003 funds will be used to continue into the feasibility phase.

### **Upper Mississippi River System Flow Frequency Study, Illinois, Iowa, Minnesota, Missouri and Wisconsin**

The Upper Mississippi River System Flow Frequency Study includes the upper and middle reaches of the Mississippi River and the lower Missouri River and Illinois Waterway. The study will include an examination of flow records for the river, a review of existing flow frequency data, and verification or development of a new set of river stage profiles. The new stage profiles are important for future flood control, environmental restoration and floodplain and river management actions. Funds available in Fiscal Year 2002 and requested for Fiscal Year 2003 will be used to continue the feasibility study. Results of the study will be used to develop and coordinate a revision to the 1979 stage profiles.

### **Minnesota Dam Safety, Minnesota**

In the 1930's and early 1940's, the Civilian Conservation Corps, Works Progress Administration and Works Projects Administration constructed hundreds of dams in the State of Minnesota. These aging dams may pose a threat to the life and safety of individuals and to properties downstream of the dams. Section 524 of the Water Resources Development Act of 2000 provided for the inventory, inspection, and modification/ rehabilitation of these dams. Fiscal Year 2002 funds are being used to initiate a reconnaissance report to include an inventory and assessment of the dams. The funds requested for Fiscal Year 2003 will be used to complete the reconnaissance report and submit a report to Congress.

### **Alexander and Pulaski Counties, Illinois**

The Alexander and Pulaski Counties study area is located in southern Illinois, about 150 miles southeast of St. Louis. The feasibility study of this habitat restoration project has been delayed at the sponsor's request due to real estate issues. Surveys were performed in the Fall 2001 to better determine the induced flooding impacts on project real estate requirements. Fiscal Year 2002 funds are also being used to incorporate the survey information into the draft reconnaissance report. The \$147,000 requested for Fiscal Year 2003 will be used to complete the feasibility study.

### **Illinois River Basin Restoration, Illinois**

The Illinois River Basin Restoration study encompasses the entire Illinois River watershed within the state of Illinois. The study includes the development of a comprehensive plan for the Illinois River watershed, evaluation of critical restoration projects, and initiation of long-term resource monitoring. The plan will address habitat, water quality, navigation, and economic opportunities. Fiscal Year 2002 funds are being used to complete the initial assessment. Upon approval of the initial assessment and execution of a cost sharing agreement, the remaining funds will be used to continue into the feasibility phase development of the comprehensive plan. The funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **Illinois River Ecosystem Restoration, Illinois**

The Illinois River and Waterway is a major tributary river of the Upper Mississippi River, with a basin area of 29,000 square miles. The river consists of over 86,000 acres of open water and wetland habitats and 26,000 acres of terrestrial habitat. Degradation of the ecosystem results from several sources, including hydrological processes, flooding, strip mining practices, runoff, sediment transport and deposition, and diminished nutrient cycles. Funds available in Fiscal Year 2002 and requested in Fiscal Year 2003 funds will be used to continue the feasibility phase of the study.

### **Rock River, Illinois and Wisconsin**

The Rock River, Illinois and Wisconsin, study encompasses 13 counties in Wisconsin and 15 counties in Illinois. This study will evaluate the overall degradation of the Rock River ecosystem and examine nonstructural flood damage reduction measures. Funds available in Fiscal Year 2002 and requested in Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **Fort Dodge, Iowa**

The City of Fort Dodge is located in Webster County, Iowa. The study area is a corridor of the Des Moines River within the city limits. The City of Fort Dodge seeks assistance in determining the impact of a 2-to 4-foot pool raise on the deposition of sediment, the storm sewer system, and the floodplain. The study would examine structural integrity of the related dams, shoreline restoration and stabilization measures, and potential fish passage measures. Fiscal Year 2002 funds are being used to initiate the reconnaissance phase. Fiscal Year 2003 funds will be used to complete the reconnaissance phase, and if the reconnaissance report is certified to be in accord with policy, continue into the feasibility phase of the study.

#### **Amite River and Tributaries Ecosystem Restoration, Louisiana**

The study area includes the 2,000-square-mile Amite River drainage basin in southeastern Louisiana and southwestern Mississippi. The study will determine the feasibility of restoring the Amite Ecosystem to a condition similar to its natural state. Fiscal Year 2002 funds are being used to continue into the feasibility phase of the study. Funds requested for Fiscal Year 2003 will be used to continue the feasibility phase.

#### **Gulf Intracoastal Waterway Ecosystem Restoration, Louisiana**

The study is investigating measures to restore the ecosystem of the Gulf Intracoastal Waterway and the surrounding area. Fiscal Year 2002 funds are being used to fully fund the reconnaissance phase. If the reconnaissance report is certified to be in accord with policy, the funds requested for Fiscal Year 2003 will be used to continue into the feasibility phase of the study.

#### **Louisiana Coastal Area - Ecosystem Restoration, Louisiana**

The study will address strategies for sustainable coastwide ecosystem/restoration in south Louisiana, from the Sabine River to the Pearl River. Nine basin feasibility studies are planned for execution under the Louisiana Coastal Area authority. The Comprehensive Coastwide Ecosystem Restoration Feasibility study is underway to evaluate all nine coastal basins and develop a plan of implementation for projects across the Louisiana Coastal Area. This plan will provide a roadmap for future implementation, planning a funding for this study. Additional studies underway are Mississippi River Delta Management, Louisiana; Atchafalaya Reef, Louisiana; Barataria Basin Barrier Shoreline, Louisiana; and Barataria Basin Marsh Creation, Louisiana. Funds available in Fiscal Year 2002 and the funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

#### **Upper Mississippi River Watershed Management, Lake Itasca to Lock and Dam 2, Minnesota**

From its source at Lake Itasca in northern Minnesota, to Lock and Dam 2 at Hastings, Minnesota, the Upper Mississippi River is suffering from impacts of almost 100 years of continual changes. This study area is faced with increased flood damage reduction needs, reservoir operational plans that are inconsistent with today's problems, land and water

development pressures, more definitive Tribal rights, dwindling natural resources, decline of fish and wildlife populations, increased demand for water supplies, and water quality impacts. Fiscal Year 2002 funds are being used to complete the reconnaissance phase with execution of a Feasibility Cost Sharing Agreement for at least one of three recommended, studies and continue into the feasibility phase for one or more studies. Funds requested for Fiscal Year 2003 will be used to continue the feasibility phase.

### **Red River of the North Basin, Minnesota, North Dakota, South Dakota and Manitoba, Canada**

The Red River of the North originates at the convergence of the Ottertail River in Minnesota and Bois de Sioux in Minnesota and North Dakota and ends at Lake Winnipeg in Manitoba, Canada. Within the U.S., the Red River forms the boundary between Minnesota and North Dakota and also drains a portion of South Dakota. The study will address the feasibility of flood damage prevention and ecosystem restoration and will be supplemented by the results of initiatives by the International Joint Commission, Red River Basin Board, and Red River Basin Task Force, and other partners. Fiscal Year 2002 funds are being used to complete the reconnaissance phase, and if the reconnaissance report is certified to be in accord with policy, continue into the feasibility phase of the study. The funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **Baraboo River, Wisconsin**

The Baraboo River is a tributary of the Wisconsin River, which flows into the Mississippi river near Prairie du Chien, Wisconsin. The scope of the study was expanded to include the entire Wisconsin River Basin. The study will establish a Federal interest in proceeding with ecosystem restoration projects such as dam removals; channel restoration; restoration of aquatic and riparian habitats; erosion and sediment control; and wetland restorations for reducing flood damage and improving water quality, fisheries populations of endangered and threatened species, and natural river equilibrium. Fiscal Year 2002 funds are being used to complete the reconnaissance phase at full Federal expense, and if the reconnaissance report is certified to be in accord with policy, continue into the feasibility phase. The funds requested for Fiscal Year 2003 will be used to continue the feasibility phase of the study.

### **White River Basin Comprehensive, Arkansas and Missouri**

The White River Basin covers about 28 thousand square miles in Arkansas and Missouri. This comprehensive basin study is investigating water resource uses and future needs and alternatives. Competing needs within the basin include fish and wildlife, navigation, flood control, hydropower, recreation, and irrigation. Fiscal Year 2002 funds are being used to execute a study cost sharing agreement and continue into the feasibility phase. The funds requested in Fiscal Year 2003 will be used to continue basin-wide studies.

### **St. Louis Riverfront, Missouri and Illinois**

The St. Louis Riverfront study area encompasses approximately 3,011 square miles in St. Louis City, St. Louis County, and Jefferson County in Missouri and St. Clair, Madison, and Monroe Counties in Illinois. The study will focus primarily on flood damage reduction, aquatic habitat restoration, and harbor safety issues. Fiscal Year 2002 funds are being used to fully fund the reconnaissance study. If the reconnaissance report is certified to be in accord with policy, Fiscal Year 2003 funds will be used to continue into the feasibility phase of the study.

### **Upper Mississippi River Comprehensive Plan, Illinois, Iowa, Minnesota, Missouri and Wisconsin**

The study area includes the Upper Mississippi and Illinois Rivers and their floodplains. The Comprehensive Plan will develop an integrated strategy and implementation plan for environmentally sustainable systemic floodplain management and flood damage reduction and will be developed integrally with the Upper Mississippi and Illinois Navigation Study. The plan will identify future management actions and make recommendations for systemic, multiple-benefit improvements within the floodplains of the two rivers. Fiscal Year 2002 funds are being used to initiate the plan at full Federal expense. Fiscal Year 2003 funds will be used to continue the plan.

### **Upper Mississippi River and Illinois River Navigation Study, Illinois, Iowa, Minnesota, Missouri and Wisconsin**

The Upper Mississippi River and Illinois Waterway study is addressing the need for navigation improvements. The navigation system is experiencing delays to commercial traffic at locks upstream from Melvin Price Locks and Dam due to limited lockage capacity and increasing traffic. The funds available in Fiscal Year 2002 and the funds requested for Fiscal Year 2003 will be used to continue the feasibility study.

### **Preconstruction Engineering and Design**

### **Peoria Riverfront Development, Illinois**

The Peoria Riverfront Development project includes restoration of fish and wildlife habitat through dredging, island creation and restoring tributary streams. Fiscal Year 2002 funds are being used to initiate preconstruction engineering and design. Fiscal Year 2003 funds will be used to continue preconstruction engineering and design.

### **Louisiana Coastal Area-Barataria Basin Barrier Shoreline Restoration, Louisiana**

The project provides for measures to restore/maintain barrier headlands, islands, and

shorelines in the Barataria Basin located in southeastern coastal Louisiana, west of the Mississippi River. An interim feasibility report, being accomplished under the Louisiana Coastal Area – Ecosystem Restoration study, is scheduled for completion in March 2003. The funds requested for Fiscal Year 2003 will be used to initiate preconstruction engineering and design.

### **Louisiana Coastal Area – Barataria Basin Marsh Creation and Restoration, Louisiana**

The project provides for marsh creation and shoreline protection in the Barataria Basin located in southeastern coastal Louisiana, west of the Mississippi River. An interim feasibility report, being accomplished under the Louisiana Coastal Area – Ecosystem Restoration study, is scheduled for completion in March 2003. The funds requested for Fiscal Year 2003 will be used to initiate preconstruction engineering and design.

### **Bayou Sorrel Lock, Louisiana**

The tentative plan for Bayou Sorrel Lock is the replacement of the existing lock with a new 75 by 1,200 foot concrete chamber lock immediately adjacent to the existing lock. Fiscal Year 2002 funds are being used to complete the feasibility phase in May 2002. Funds requested for Fiscal Year 2003 will be used to initiate preconstruction engineering and design.

### **St. Louis Harbor, Missouri and Illinois**

The St. Louis Harbor Project includes construction of a harbor area in the vicinity of the Tri-City Regional Port District, along the east side of the Chain of Rocks Canal in Illinois, and a sediment control project that will improve access to the City of St. Louis Municipal Dock in Missouri. Fiscal Year 2002 funds are being used to continue the General Reevaluation Report, and funds requested for Fiscal Year 2003 will be used to complete the General Reevaluation report and to continue preconstruction engineering and design.

### **Davenport, Iowa**

The project is located in Davenport, Iowa, on the Mississippi River. A General Design Memorandum was completed in February 1982, but the project was deferred at the request of the City. The City of Davenport officials requested that the project be restudied to evaluate current alternatives and benefits for flood damage reduction. This reevaluation will emphasize key public facilities such as the water and wastewater treatment plants. Fiscal Year 2002 funds are being used to continue the reconnaissance-level phase of the PED resumption. Fiscal Year 2003 funds will be used to continue preconstruction engineering and design.

### **Wood River Levee, Illinois**

The Wood River Levee, Illinois, project area lies in the Mississippi River floodplain of Madison County, Illinois, just upstream of the City of St. Louis. The area is protected by an urban design levee, authorized in 1938 and reconstructed in the 1950's. The evaluation will

address the need for reconstruction or replacement of pump stations, levees, and other appurtenances. Fiscal Year 2002 funds are being used to continue the reconstruction evaluation, and the funds requested for Fiscal Year 2003 will be used to complete the reconstruction evaluation.

### **Jefferson Parish, Louisiana**

A feasibility study addressing urban rainfall flooding in Jefferson Parish, Louisiana, is underway. Funds available in Fiscal Year 2002 are being used to initiate preconstruction engineering and design. Fiscal Year 2003 funds will be used to continue preconstruction engineering and design.

### **Lafayette Parish, Louisiana**

A feasibility study addressing potential solutions to residential, commercial, and industrial flooding problems in the Vermilion River Basin area of Lafayette Parish, Louisiana, is ongoing. Non-Federal funds are being used in Fiscal Year 2002 to complete the feasibility study. The funds requested in Fiscal Year 2003 will be used to initiate preconstruction engineering and design.

### **Orleans Parish, Louisiana**

The Orleans Parish, Louisiana, project is a system of culverts, canals and pump stations to provide flood protection from urban rainfall flooding in Orleans Parish, Louisiana. Fiscal Year 2002 funds are being used to initiate preconstruction, engineering and design to complete the feasibility study. Funds requested in Fiscal Year 2003 will be used to preconstruction engineering and design.

### **West Shore-Lake Pontchartrain, Louisiana**

The West Shore-Lake Pontchartrain, Louisiana, project includes construction of approximately 10.5 miles of levees and floodwalls to provide protection from hurricane flooding in St. Charles Parish west of the Bonnet Carre' Floodway, St. John the Baptist Parish, and St. James Parish. Fiscal Year 2002 funds are being used to complete the feasibility phase in September 2002. Funds requested for Fiscal Year 2003 will be used to initiate the preconstruction, engineering and design.

### **Chesterfield, Missouri**

The Chesterfield, Missouri, project includes construction of a 5-7 foot levee raise, approximately 12 miles long, to provide 500-year flood protection to the Chesterfield Valley area. In addition, the completed project will contain seepage berms, relief wells, four closure structures, four pump stations, and several gravity drains. Fiscal Year 2002 funds and the funds requested for Fiscal Year 2003 will be used to continue preconstruction engineering and design.

### **River Des Peres, Missouri**

River des Peres drains a 111-square-mile area in the City of St. Louis and St. Louis County, Missouri, and empties into the Mississippi River. The floodplain encompasses about 7,500 acres of mostly urban development. The authorized project consists of two subprojects - Deer Creek and University City. The Deer Creek portion of the project consists of 2.5 miles of channel widening and stabilization improvements through the cities of Rock Hill, Webster Groves, Brentwood and Maplewood. The University City portion of the project consists of channel enlargement and stabilization along about 2.5 miles of the University City branch of the upper River des Peres, a recreation trail of 2.53 miles within the improved channel right-of-way, and a small recreation park to be constructed by non-Federal interests on non-project lands. Fiscal Year 2002 funds are being used to continue the reevaluation of the Deer Creek portion of the project and begin the reevaluation of the University City portion. Fiscal Year 2003 funds will be used to continue the reevaluation of Deer Creek and University City.

### **St. Louis Flood Protection, Missouri**

A section of the St. Louis Flood Protection project failed during the 1993 flood. The reconstruction evaluation will address problems such as underseepage, foundation piping, pipe crossings, toe drains, and relief wells. Fiscal Year 2002 funds and the funds requested for Fiscal Year 2003 will be used to continue the reconstruction evaluation.

## **CONSTRUCTION, GENERAL PROGRAM**

The Mississippi Valley Division construction program for Fiscal Year 2003 requires \$138.3 million, including \$16.3 million from the Inland Waterways Trust Fund. The Fiscal Year 2003 program reflects a decrease of \$79.0 million from the Fiscal Year 2002 allocation. Funds provided will allow completion of 5 and continuation of 21 projects.

### **Chain of Rocks Canal, Mississippi River, Illinois (Deficiency Correction)**

The Chain of Rocks, Levee Design Deficiency Correction project, is located on the Mississippi River near Madison County, Illinois. Emergency repairs were completed in Fiscal Year 1997 with Operation and Maintenance, General, flood supplemental funds. Fiscal Year 2002 funds are being used to install new relief wells, construct berms, and mitigate wetlands. Fiscal Year 2003 funds will be used to continue relocations and wetland mitigation and to complete the installation of new relief wells.

### **Mississippi River Ship Channel, Gulf to Baton Rouge, Louisiana**

The project is located in the southeast portion of Louisiana below Baton Rouge, consisting of the Mississippi River and its major outlet to the Gulf of Mexico, Southwest Pass. Phases I and II of the project, which would provide a 45-foot channel from the Gulf of Mexico to Baton Rouge, have been completed except for remaining mitigation work in Phase I. Fiscal Year 2002 funds are being used to initiate one mitigation contract, complete one mitigation contract, and continue engineering and design activities. Funds requested for Fiscal Year 2003 will be used to complete one mitigation contract, and continue engineering and design efforts.

### **Mississippi River Between The Ohio And Missouri Rivers (Regulating Works), Missouri And Illinois**

The Regulating Works project provides channel improvements on the Mississippi River from the mouth of the Ohio River to the mouth of the Missouri River. These improvements are constructed to ensure a safe, dependable navigation channel between St. Louis, Missouri, and Cairo, Illinois. Fiscal Year 2002 funds are being used to continue the Thompson Bend Riparian contract, Chester Phase II, and Devils Island Phase 3 contracts. Funds requested for Fiscal Year 2003 will be used for planning, engineering, and design and to continue the Thompson Bend Riparian contract.

### **Melvin Price Lock and Dam, Illinois and Missouri**

Melvin Price Lock and Dam is located in the vicinity of Alton, Illinois. Fiscal Year 2002 funds are being used to continue Visitor Center exhibits and to complete esplanade landscaping. Fiscal Year 2003 funds will be used to prepare operation and maintenance manuals and continue Visitor Center exhibits.

### **Inner Harbor Navigation Canal Lock, Louisiana**

The project is located within the City of New Orleans, Louisiana, in Orleans Parish. It is a combined deep and shallow draft lock connecting the Mississippi River, the Gulf Intracoastal Waterways, and the Mississippi River Gulf Outlet. Fiscal Year 2002 funds are being used to continue one contract, complete one contract, continue social mitigation plan, Real Estate efforts, and engineering and design. Fiscal Year 2003 funds will be used to continue one contract and the community impact mitigation plan and to complete the Florida Avenue siphon relocation, and detailed design efforts and construction management activities.

### **J. Bennett Johnston Waterway, Mississippi River to Shreveport, Louisiana**

The Red River Waterway project provides for a 9-foot by 200-foot navigation channel from the Mississippi River, via Old and Red Rivers to Shreveport, Louisiana. The project includes five locks and dams sufficient to pass a six-barge tow. The entire Red River Waterway was dedicated in May 1995. Remaining work consists of additional channel training works,

purchase of remaining mitigation lands, and construction of recreation features. Fiscal Year 2002 funds are being used to initiate and complete two capouts, one articulated concrete mat, one revetment reinforcement, three recreation facilities, one comfort station and bank repairs; initiate one channel reinforcement, one capout and dikes contract, one revetment and the project visitor center; and complete one dike, one revetment, and recreation facilities. Fiscal Year 2003 funds will be used to continue construction of the regional visitor center and one capout and dikes contract; and complete construction of the project visitor center (Grand Ecore), one lock and dam approach channel reinforcement, and one revetment.

### **East St. Louis, Illinois**

The East St. Louis, Illinois, flood protection rehabilitation project protects an 85,000 acre, closely-developed residential, urban and commercial floodplain in St. Clair and Madison Counties, Illinois. Fiscal Year 2002 funds are being used to initiate rehabilitation of the north and east pump stations and to initiate and complete Canteen Creek, Phase II excavation. Fiscal Year 2003 funds will be used to continue rehabilitation of the north and east pump stations.

### **Loves Park, Illinois**

The Loves Park, Illinois, project will provide 100-year flood protection for a highly urbanized portion of the city along Loves Park Creek. The protective works include 17,900 linear feet of improved channel, three detention lakes, and a pump station. Completion of the project has been delayed due to the need for design revisions for Stage IB at the request of the sponsor. These design revisions are expected to reduce project costs and expedite real estate acquisition. Fiscal Year 2002 funds are being used to complete redesign and revised plans and specifications, acquire rights-of-way and initiate construction of Stage 1B. Fiscal Year 2003 funds will be used to continue real estate activities and construction of Stage IB.

### **Comite River Diversion Channel, Louisiana**

The project is located in East Baton Rouge Parish, Louisiana, and consists of a 12-mile long diversion channel and associated structures that are designed to divert flood waters from the Comite River into the Mississippi River. Fiscal Year 2002 funds are being used to continue preparation of plans and specifications and initiate the Lilly Bayou Control Structure Phase I contract. Funds requested for Fiscal Year 2003 will be used to complete the Lilly Bayou Control Structure contract and continue engineering and design.

### **Lake Pontchartrain and Vicinity, Louisiana**

On the Lake Pontchartrain and Vicinity, Louisiana, Hurricane Protection project, levee and floodwall work in Orleans, Jefferson, St. Bernard, and St. Charles Parishes continues. Fiscal Year 2002 funds are being used to complete eight contracts, initiate and complete two contract, and continue engineering and design and construction management efforts. Funds requested for

Fiscal Year 2003 will be used to continue five contracts, engineering and design and construction management efforts.

#### **Larose to Golden Meadow, Louisiana**

The Larose to Golden Meadow, Louisiana, project will provide hurricane protection to developed land along Bayou Lafourche, Louisiana. Fiscal Year 2002 funds are being used to initiate and complete one contract, complete two construction contracts and to continue engineering and design and construction management efforts. Funds requested for Fiscal Year 2003 will be used to continue engineering and design efforts.

#### **New Orleans to Venice, Louisiana**

The New Orleans to Venice, Louisiana, project provides hurricane protection along both banks of the Mississippi River south of New Orleans. Fiscal Year 2002 funds are being used to initiate one contract, complete one contract, and continue engineering and design and construction management activities. Funds requested for Fiscal Year 2003 will be used to continue one contract, and continue engineering and design and construction management activities.

#### **Southeast Louisiana, Louisiana**

The Southeast Louisiana, Louisiana, project will provide improvements for flood control and rainfall drainage systems in Jefferson, Orleans, and St. Tammany Parishes, Louisiana, and hurricane surge protection features in St. Tammany Parish. Construction now underway involves only Jefferson and Orleans Parishes. Fiscal Year 2002 funds are being used to complete 12 contracts, continue 11 contracts, and to continue real estate activities, engineering and design, and supervision and administration. Funds requested for Fiscal Year 2003 will be used to continue 5 contracts, complete six contracts, and to continue real estate activities, engineering and design, and construction management activities.

#### **West Bank And Vicinity of New Orleans, Louisiana**

The West Bank and Vicinity of New Orleans, Louisiana, project combines the Westwego to Harvey Canal, Louisiana, and West Bank - East of Harvey Canal, Louisiana, projects. The project provides hurricane protection to the urban area between Westwego and the Harvey Canal and east of the Harvey Canal on the west bank of the Mississippi River in the vicinity of New Orleans. Fiscal Year 2002 funds are being used to initiate seven contracts, initiate and complete two contracts, continue five contracts, complete two contracts, and continue engineering and design and construction management efforts. Funds requested for Fiscal Year 2003 will be used to continue four contracts, complete one contract, and continue engineering and design, and construction management efforts.

#### **Crookston, Minnesota**

About 800 Crookston residences are located in flood prone areas of the city. The 1950 flood inundated most of the flood prone properties. The recommended plan consists of two downstream high-flow channels, levees providing protection from the 100-year flood events for the neighborhoods of Woods Addition, Thorndale and Riverside/Downtown, and floodplain management techniques for areas not protected by permanent levees. Fiscal Year 2002 funds are being used to complete State 1 construction, the downstream high flow cutoff channel, Channel No. 1, and initiate Stage 2 construction, the second downstream high flow cutoff channel, Channel No. 3, and levees to protect Woods, Thorndale, and Riverside reaches. Funds requested for Fiscal Year 2003 will be used to complete Stage 2 construction.

### **Meramec River Basin, Valley Park Levee, Missouri**

The Meramec River Basin, Valley Park Levee, Missouri, project is a flood control project located southwest of St. Louis along the left bank of the Meramec River. Since the early 1900s, the City of Valley Park, Missouri, has experienced 12 major floods, including the December 1982 flood of record. This flood caused damages estimated in excess of \$21 million. The most recent flooding occurred in April 1994. The project provides for 3.2 miles of levee, three closure structures, six gravity drains, five ponding areas, and 47 relief wells. Fiscal Year 2002 funds are being used to complete construction of a railroad closure structure and the design work for the riverfront levee. Fiscal Year 2003 funds will be used for planning, engineering, and design.

### **Ste. Genevieve, Missouri**

The Ste. Genevieve flood control project is estimated to cost \$49.7 million. The first phase of the project includes a levee, closure structures, and a pump station to protect Ste. Genevieve's National Historic Landmark District from Mississippi River flooding. Other phases of the project consist of improvements on two interior tributary streams and recreation facilities. Fiscal Year 2002 funds are being used to complete the relief wells, pump station and gravity drain contract, and the decision document for Parts 2, 3, and 4. Fiscal Year 2003 funds will be used for planning, engineering, and design for tributary improvements and recreation.

### **Grand Forks, North Dakota - East Grand Forks, Minnesota**

The Cities of Grand Forks and East Grand Forks are located on the Red River of the North directly across the river from each other. Until 1997, a permanent levee in one short reach of Grand Forks, plus emergency flood fight efforts in other areas of the two cities prevented significant flood damages. The catastrophic event of 1997 was the largest flood ever experienced in the area. Despite major emergency flood fight efforts, both cities were inundated. Estimates indicate that about \$2 billion in damages were sustained in the two cities as a result of the 1997 flood. The threat of future flooding has led to a sense of urgency for an expedited permanent solution. In September 1997, the Corps entered into a formal on-going total project partnering relationship with both cities, both counties, both states, and representative citizens. A detailed design report to support project authorization was completed in December 1998. The Project Cooperation Agreement was executed in January 2000. Fiscal Year 2002 funds are being

used to continue levee construction contracts, initiate construction on the English Coulee Diversion, and continue engineering and design. Fiscal Year 2003 funds will be used to continue the first phases of levee construction and continue engineering and design.

**Sheyenne River, North Dakota  
(Baldhill Dam Pool Raise)**

The project consists of four separable elements: the Horace to West Fargo unit, completed in 1992; the West Fargo unit, completed in 1994; the Maple River Dam, which was determined to be economically infeasible; and the Baldhill Pool Raise, for which construction was initiated in Fiscal Year 2000. Fiscal Year 2002 funds are being used to initiate construction of the West Fargo pump station and to continue construction on the Baldhill Pool Raise unit. Fiscal Year 2003 funds will be used to complete construction of the pump station for the West Fargo unit and complete construction on the Baldhill Pool Raise unit.

**LaFarge, Kickapoo River, Wisconsin (Project Modification)**

In accordance with the project modification, approximately 8,569 acres of land associated with the LaFarge Dam and Lake portion of the Kickapoo River, Wisconsin, flood control project were transferred in December 2000. Of this land, 1,200 acres with cultural and religious significance to the Ho-Chunk Nation were transferred to the Secretary of the Interior, and the remaining 7,400 acres to the State of Wisconsin. The modification also includes deauthorizing the construction of the reservoir and dam, while completing other features of the original project. These features include the reconstruction of State Highway 131 and County Routes P and F; necessary environmental remediation; and site safety modifications. Fiscal Year 2002 funds are being used to continue relocation construction of State Highway 131 and County Highways F and P. Funds requested for Fiscal Year 2003 will be used to complete construction of the project.

**Homme Lake, North Dakota**

The Homme Lake, North Dakota, dam safety assurance project provides for modification of the dam spillway, which has been identified as having inadequate capacity. The dam embankment would be overtopped by approximately 2.3 feet during the probable maximum flood, which would cause substantial damage and threaten human safety downstream. Fiscal Year 2002 funds are being used to continue construction and Fiscal Year 2003 funds will be used to complete construction of the project.

**Upper Mississippi River System Environmental Management Program,  
Illinois, Iowa, Minnesota, Missouri, and Wisconsin**

During Fiscal Year 2002, the unique Upper Mississippi River Environmental Management Program will continue. Through this program, important fish and wildlife habitat

is being restored and protected and river conditions monitored throughout the Upper Mississippi and Illinois Waterway. Fiscal Year 2002 funds are being used to complete construction of five habitat projects, initiate, continue, or complete general design activities on 21 projects, and to continue or initiate construction on six additional habitat projects as well as continue long term-resource monitoring. In addition plans for implementation of the independent technical advisory committee, authorized in the Water Resources Development Act of 1999, will be developed. Fiscal Year 2003 funds will be used to complete construction of three and continue construction of four habitat projects, and to initiate, continue, or complete general design activities for 15 habitat projects, as well as continue long-term resource monitoring.

### **Lock and Dam 24, Illinois and Missouri (Major Rehabilitation)**

Major rehabilitation of the aged Lock and Dam 24 structure located near Clarksville, Missouri, has been underway since Fiscal Year 1996. Funds were appropriated in Fiscal Year 2000 to proceed with additional rehabilitation of the lock landwall, intermediate landwall, the Illinois abutment, and repair of the tainter gates. Fiscal Year 2002 funds and the funds requested for Fiscal Year 2003 will be used to continue lock wall concrete rehabilitation and engineering on the dam gates.

### **Lock and Dam 11, Mississippi River, Iowa (Major Rehabilitation)**

Lock and Dam 11, Iowa, is located on the Mississippi River near the City of Bellevue in Jackson County, Iowa. Significant features of the lock rehabilitation portion of the project include resurfacing of concrete in the lock chamber and dam piers, replacement of operating machinery and the electrical system, and installation of a bubbler system in the lock chamber. The main feature of the dam rehabilitation will be the replacement of roller and tainter gate chain hoisting equipment and dam scour protection. Fiscal Year 2002 funds are being used to initiate State I scour protection and initiate Stage II lock rehabilitation. Fiscal Year 2003 funds will be used to continue State I scour protection and Stage II lock rehabilitation.

### **Lock and Dam 12, Mississippi River, Iowa (Major Rehabilitation)**

Lock and Dam 12, Iowa, is located on the Mississippi River near the City of Bellevue in Jackson County, Iowa. Significant features of the lock rehabilitation portion of the project include resurfacing of concrete in the lock chamber and dam piers, replacement of operating machinery and the electrical system, and installation of a bubbler system in the lock chamber. The main feature of the dam rehabilitation will be the replacement of roller and tainter gate chain hoisting equipment and dam scour protection. Fiscal Year 2002 funds are being used to continue

Stage II lock rehabilitation and initiate Stage III dam rehabilitation. Fiscal Year 2003 funds will be used to complete construction of Stage II lock rehabilitation and Stage III dam rehabilitation.

### **Lock and Dam 3, Mississippi River, Minnesota (Major Rehabilitation)**

The Lock and Dam 3 Major Rehabilitation project is located on the Mississippi River about 30 miles southeast of St. Paul, Minnesota. Related problems with the integrity of the embankments on the Wisconsin side of the river and with navigation safety are being addressed concurrently in a reevaluation study. The embankments are a deteriorating system of low dikes and natural ground that are subject to overtopping. An outdraft current in the upstream lock approach has resulted in many navigation accidents. Fiscal Year 2002 funds are being used to prepare a Reevaluation Report and a draft Environmental Impact Statement. Fiscal Year 2003 funds will be used to complete the Reevaluation Report, complete plans and specifications, and continue construction of the modified project pending approval of the report.

### **OPERATION AND MAINTENANCE, GENERAL**

The request for Operation and Maintenance, General, funds for Fiscal Year 2003 is \$354.6 million, which is an decrease of \$6.3 million from the initial Fiscal Year 2002 allocation. Requested Fiscal Year 2003 funds will provide for continued operation and maintenance of 62 completed projects.

#### **Navigation Projects**

The request includes \$291.2 million for navigation. This will allow maintenance of 26 channels and harbors projects and 13 canalized lock and dam waterways. Of the funds requested for navigation, \$76.2 million or 26 percent is for maintenance dredging.

#### **Flood Control Projects**

Flood control projects account for \$33.7 million of this request. The funds requested will provide for operation and maintenance of 20 flood control reservoir projects and for channel improvements and inspection of completed works.

#### **Multiple-Purpose Projects**

Operation of four multiple-purpose projects accounts for \$27.5 million of the request. Benefits of these projects include hydropower production. The Budget proposed that \$13.2

million in hydropower activities be directly funded from Power Marketing Administration receipts.

### **Protection of Navigation**

This request includes \$2.2 million for protection of navigation on the waterways. Involved are project condition surveys, removal of aquatic growth and surveillance of northern boundary waters.

## **MISSISSIPPI RIVER AND TRIBUTARIES PROGRAM**

The Fiscal Year 2003 Mississippi River and Tributaries budget request is \$288.0 million after assignment of savings and slippage (\$301.1 million before savings and slippage). This request includes a contingent adjustment of \$7.0 million for full funding of Federal retiree costs.

### **GENERAL INVESTIGATIONS**

Funds in the amount of \$6.0 million are requested under the General Investigations category and will provide for 9 activities. These funds will provide for the continuation of two and completion of two flood damage prevention feasibility studies; continuation of two environmental feasibility studies; continuation of collection and study of basic data; and the continuation of one and completion of one preconstruction engineering and design project.

#### **Surveys**

##### **Alexandria, Louisiana, to the Gulf of Mexico**

The Alexandria, Louisiana, to the Gulf of Mexico study area encompasses about 1,700 square miles extending through nine parishes from Alexandria, Louisiana, to the Gulf of Mexico. Alexandria has experienced numerous floods in its metropolitan area and has had widespread flooding throughout the basin in most rural and agricultural areas. Due to limited non-Federal funding, the first phase of the feasibility study will address flooding problems in the Alexandria area only. This phase will be initiated in Fiscal Year 2002 upon execution of the feasibility cost sharing agreement with the Louisiana Department of Transportation and Development and the Rapides Parish Gravity Drainage District No. 1 scheduled in March 2002. Fiscal Year 2003 funds will be used to continue the feasibility phase.

### **Donaldsonville, Louisiana, to the Gulf of Mexico**

The Donaldsonville, Louisiana, to the Gulf of Mexico study area is located in southeast Louisiana and the basin is subject to rainfall, tidal, and hurricane flooding resulting in structural, agricultural, and environmental damages. The feasibility cost-sharing agreement was signed 6 February 2002 with the Louisiana Department of Transportation and Development and Lafourche Basin Levee District. Fiscal Year 2002 funds are being used to continue into the feasibility phase of the study. Fiscal Year 2003 funds will be used to continue the feasibility phase.

### **Germantown, Tennessee**

The study area is located in the City of Germantown in Shelby County, Tennessee. The principal purpose of this study is to identify a feasible solution to the flooding, erosion, and water quality problems plaguing this area. A feasibility cost sharing agreement was executed with the City of Germantown, Tennessee, on 29 October 2001. Fiscal Year 2002 funds are being used to continue the feasibility phase of the study. Fiscal Year 2003 funds will be used to complete the feasibility phase of the study.

### **Millington and Vicinity, Tennessee**

The study area is located in Shelby County, Tennessee. Reconnaissance phase studies have been accomplished as part of the Memphis Metropolitan Area reconnaissance study. Feasibility studies are focusing on Big Creek, a tributary to the Loosahatchie River. Increased runoff and erosion is being experienced in the vicinity of Millington due to extensive development in adjacent cities and counties north and east of the city. Locals have also indicated a need for environmental enhancement and recreational features to deter additional development in the Big Creek floodplain. A feasibility cost sharing agreement is scheduled to be signed with the City of Millington, Tennessee, in April 2002. Fiscal Year 2002 funds will be used to continue into the feasibility phase of the study. Fiscal Year 2003 funds will be used to complete these studies.

### **Spring Bayou, Louisiana**

The Spring Bayou, Louisiana, area encompasses at least 43 lakes and streams and includes two state wildlife management areas and two national wildlife refuges. This ecosystem is rapidly degrading from pollution of water, sedimentation, rampant growth of exotic aquatic plants and frequent, excessive flooding. Upon certification of the reconnaissance report, Fiscal Year 2002 funds will be used to continue into the feasibility phase of the study. Fiscal Year 2003 funds will be used to continue the feasibility phase of the study.

## **Coldwater River Basin Below Arkabutla Lake, Mississippi**

The Coldwater River Basin Below Arkabutla Lake, Mississippi, area is located in northwest Mississippi approximately 30 miles south of Memphis, Tennessee. Increased development within this segment of the Coldwater River Basin has created pressure on area streams to meet water quality standards while maintaining flood damage reduction goals. In particular, the potential sponsors want to implement specific projects and develop guidelines for future development that will improve the aquatic environment and conserve water resources for use in agricultural production and habitat restoration. Upon certification of the reconnaissance report, Fiscal Year 2002 funds will be used to continue into the feasibility phase of the study. Fiscal Year 2003 funds will be used to continue the feasibility phase of the study.

### **Preconstruction Engineering and Design**

#### **Morganza, Louisiana, to the Gulf of Mexico**

The Morganza, Louisiana, to the Gulf of Mexico project will provide hurricane protection for Terrebonne and northwest Lafourche Parishes. The Houma Navigation Canal Lock (HNCL) was approved for initiation of preconstruction engineering and design prior to completing the feasibility study for the remaining portions of the study. The feasibility report for the remaining portion of the study will be completed in June 2002. Fiscal Year 2002 funds are being used to continue preconstruction engineering and design (PED) for the HNCL. Fiscal Year 2003 funds will be used to continue preconstruction engineering and design on the HNCL and initiate PED for other project features.

#### **Wolf River, Memphis, Tennessee**

The Wolf River, Memphis, Tennessee, Basin was authorized for construction by Section 101(b) of the Water Resources Development Act (WRDA) of 2000. The project is located on the Wolf River in the vicinity of Collierville, Tennessee. The primary purpose is ecosystem restoration. The project sponsors are the Chickasaw Basin Authority and Shelby County, Tennessee. Fiscal Year 2002 funds are being used to continue PED. Fiscal Year 2003 funds will be used to complete PED. The project will be ready for construction in Fiscal Year 2003.

## **CONSTRUCTION**

The Mississippi River and Tributaries construction program includes \$125.9 million requested for Fiscal Year 2003, a decrease of \$68.7 million over the amount allocated in Fiscal Year 2002. These funds will allow for continuation of 15 construction projects.

## **Mississippi River Levees**

The Mississippi River Levees project is a component of the main stem system for the control of floods on the Mississippi River. The levee system provides protection for 23,620 square miles and partial protection for an additional 3,780 square miles of land in the alluvial valley subject to flooding by the project flood. The value of lands and improvements protected by authorized works against the design flood is \$139.4 billion in 2000 dollars. Work continues on raising and enlarging critical levees in northern Louisiana and Mississippi. Some reaches of the mainline Mississippi River Levees are inadequate to safely convey project design flood flows. Correction of these inadequacies in levee grade and/or section is given a funding priority within the Mississippi River and Tributaries program. Critical levee enlargements are now underway in Louisiana and Mississippi. Fiscal Year 2002 funds are being used to initiate six items, initiate and complete five items, continue three items, and complete seven items. Funds requested for Fiscal Year 2003 will be used to initiate eight items, initiate and complete two items, continue seven items, and complete four items.

## **Channel Improvement**

Under the Channel Improvement project, another component of the main stem system, about 1,038 miles of the 1,085 miles of authorized bank protection have been completed. Work planned for the Mississippi River during the 2002 season includes ACM revetment at 6 locations, stone dikes at 8 locations, bendway weirs at 1 location, and foreshore protection at 1 location. ACM revetment is scheduled at 3 locations on the Atchafalaya River. ACM revetment is tentatively planned at 1 location within the lower 31 miles of the Red River. Annual maintenance and reinforcement work on these rivers will also be completed. We estimate that approximately 225,000 squares will be placed during the 2002 revetment season. Funds requested for Fiscal Year 2003 will be used to place 1.9 miles of revetment and construct 8 dikes.

## **Atchafalaya Basin, Louisiana**

There are 449 miles of authorized levees in the Atchafalaya Basin project. All of these levees are in place, about 388 miles are to design grade and section, and the remaining 61 miles require raising. Fiscal Year 2002 funds are being used to initiate four levee items and one pumping station; continue bank stabilization work; complete four levee items and one drainage structure; and reimburse local interests for construction of the Bayou Yokely pumping station. Fiscal Year 2003 funds will be used to initiate two levee contracts; initiate and complete one contract; continue one levee and pump station contract and bank stabilization work; and complete two levee contracts.

### **Atchafalaya Basin Floodway System, Louisiana**

On the Atchafalaya Basin Floodway System, Louisiana, project, programmed work provides for acquisition of 50,000 acres in fee for public access and easements on 338,000 acres for flowage, developmental control, and environmental protection. Approximately 36,998 acres of fee land have been acquired and 143,729 acres of easements have been negotiated. Fiscal Year 2002 funds are being used to acquire additional easements and complete acquisition of lands in fee; execute the project cooperation agreements and construct the Simmesport boat launch and initiate construction of the Myette Point boat launch; and continue design work on other management and recreation units. Funds requested for Fiscal Year 2003 will be used to continue easement lands acquisition; initiate Buffalo Cove management unit and Lake End Park boat launch; initiate and complete Bayou Sorrel and Bayou Pigeon boat launches; and complete Myette boat launch.

### **Francis Bland Floodway Ditch (Eight Mile Creek), Arkansas**

The Francis Bland Floodway Ditch (Eight Mile Creek), Arkansas, project includes channel improvements to provide 100-year flood protection to the urban area of Paragould, Arkansas, and maintain current 3-year protection levels in the downstream rural area. Fiscal Year 2002 funds are being used to initiate two railroad relocation contracts and initiate construction of an urban channel enlargement item. Fiscal Year 2003 funds will be used to continue this construction.

### **Helena and Vicinity, Arkansas**

The Helena and Vicinity, Arkansas, project is an urban flood control project, which will provide approximately a 25-year level of protection for the downtown business district of the City of Helena and for the adjacent residential area. The plan of improvement consists of approximately 1.41 miles of channel improvements within the city limits of Helena. Fiscal Year 2002 funds are being used to continue the last item of channel enlargement work. Fiscal Year 2003 funds will be used to continue this work.

### **St. Francis Basin, Arkansas and Missouri**

The St. Francis Basin project provides protection against headwater floods of the St. Francis and Little Rivers to an area of over 1.4 million acres and against backwater floods of the Mississippi River to an area of over 500,000 acres. Fiscal Year 2002 and 2003 funds will be used to continue project construction, planning, engineering and design for future construction items, and land acquisition, including mitigation lands.

### **Louisiana State Penitentiary Levee, Louisiana**

The Louisiana State Penitentiary Levee, Louisiana, project is located near Angola, Louisiana, approximately 40 miles northwest of Baton Rouge, Louisiana. The project provides for improving about 12 miles of existing levees along the Mississippi River, which currently provide flood protection to the penitentiary. By improving the existing levees to Federal standards, risk of flooding with its attendant property damage and threat to the lives of up to 5,100 inmates, 1,750 employees, and 527 residents will be reduced. Fiscal Year 2002 funds are being used to continue one levee item and complete construction on two levee items. Funds requested for Fiscal Year 2003 will be used to complete the remaining levee contract downstream of Camp C, and complete project construction.

### **Mississippi Delta Region, Louisiana**

The Mississippi Delta Region, Louisiana, project consists of two salinity control structures designed to divert freshwater from the Mississippi River into coastal bays and marshes for fish and wildlife restoration. The completed Caernarvon structure on the east bank of the Mississippi River is preserving about 16,000 acres of wetlands. When completed, the Davis Pond diversion structure on the west bank of the Mississippi River will preserve an estimated 33,000 acres of wetlands. Additionally, 777,000 acres of marshes and bays will be benefited by the project. Funds for Fiscal Year 2002 are being used to complete the Davis Pond diversion structure and initiate the site operations building and two levee items. Funds requested in Fiscal Year 2003 will be used to continue one levee contract; complete the site operations building; and complete one levee contract.

### **Yazoo Basin, Mississippi**

On the Yazoo Basin project, work on the reformulation study is continuing. This study involves four portions of the Yazoo Basin project and is estimated to cost \$32.4 million. Based on results of completed reformulations for the Upper Steele Bayou and Upper Yazoo Projects portions, the reformulation effort has, to date, been completely successful in that project costs have been reduced by \$75.0 million, environmental impacts have been reduced, and environmental and local interests are satisfied. Fiscal Year 2002 funds are being used to finalize the report on the Yazoo Backwater Area; continue construction of channel improvement items and reforestation on Upper Yazoo Projects; continue lands and reforestation and complete Swan Lake Levee Item 66A/B on the Big Sunflower project; and complete the Demonstration Erosion Control work on bank stabilization, grade control structures, levees, floodwater retarding structures, and channel improvement. Fiscal Year 2003 funds will be used to continue ongoing construction contracts and purchase mitigation lands on Upper Yazoo Projects.

### **St. Johns Bayou - New Madrid Floodway, Missouri**

The St. Johns Bayou - New Madrid Floodway, Missouri, project consists of 137 miles of rural channel improvement, 6.7 miles of urban channel improvement, two pumping stations, and mitigation. The first phase consists of 27.6 miles of channel improvement in the St. Johns Basin, and the two pumping stations, one in the New Madrid Floodway Basin and one in the St. Johns

Basin. Fiscal Year 2002 funds are being used to continue the Supplemental Environmental Impact Statement (SEIS) and National Environmental Policy Act (NEPA) coordination. Before construction on remaining items can be initiated, NEPA processing must be completed and water quality certification obtained from the Missouri Department of Natural Resources. Remaining construction work for Phase 1 includes approximately 23.3 miles of channel improvements and two pumping stations. Fiscal Year 2003 funds will be used to continue SEIS coordination.

### **Horn Lake Creek, Mississippi and Tennessee**

The completed Horn Lake Creek project provides a 25-year level of protection to existing residential development along Cow Pen Creek, but only a 1-year level of protection to existing developments along Horn Lake and Rocky Creeks. WRDA 2000 included authorization to perform a reevaluation to determine the feasibility of modifying the project to provide additional urban flood protection along Horn Lake Creek. If the modification is found to be justified, the project can be constructed in accordance with the approved report. Fiscal Year 2002 funds are being used to initiate the reevaluation. A design agreement was executed with the Horn Lake Creek Drainage District in October 2001. Fiscal Year 2003 funds will be used to continue the reevaluation, which is scheduled for completion in Fiscal Year 2004.

### **Nonconnah Creek, Tennessee and Mississippi**

The Nonconnah Creek project is located within the Memphis, Tennessee, metropolitan area. Fiscal Year 2002 funds are being used to initiate one channel improvement contract and continue reevaluation of the conditionally authorized extension of the flood control and recreation elements. Fiscal Year 2003 funds will be used to complete one channel improvement item and the reevaluation studies.

### **West Tennessee Tributaries, Tennessee**

The West Tennessee Tributaries project is located on the Obion and Forked Deer Rivers and their major tributaries. Ninety-three miles of the authorized 225 miles of channel enlargement have been completed, and 13,527 acres of the authorized 32,000 acres of the mitigation lands have been acquired. Fiscal Year 2002 and Fiscal Year 2003 funds will be used to continue coordination activities with the sponsor and the State of Tennessee.

## **MAINTENANCE**

Funds available in Fiscal Year 2002 are being used on 35 completed projects for operation of projects and repairs of levee slides, repairs to revetments, harbor dredging, and dredging of the Mississippi River. The Fiscal Year 2003 request for Mississippi River and Tributaries maintenance is \$162.1 million which is a decrease of \$2.3 million from the funds allocated in Fiscal Year 2002. This request will allow continuation of necessary operations and

maintenance activities on 35 completed projects. Of the \$162.1 million request, \$103.0 million, or 64 percent, will be used for operation and maintenance of main stem levees, channels, and harbors. This work consists of Mississippi River main stem channel and harbor dredging, and repairs of levee slides, banks, dikes, and revetments. Another \$55.3 million, or 34 percent, is for operation and maintenance of tributary river basin projects; \$2.8 million, or 2 percent, is for mapping and inspection of completed works; and \$1.0 million is included for facility protection.

### **COASTAL WETLANDS PLANNING, PROTECTION, AND RESTORATION ACT**

A joint effort between the State of Louisiana and four other Federal agencies is addressing the critical loss of coastal wetlands in Louisiana. The Louisiana Coastal Wetland Conservation and Restoration Task Force has completed 11 priority project lists of coastal wetlands restoration projects. On 1 November 2000, Public Law 106-408 provided authority through Fiscal Year 2009. Of the 121 active projects on the first 11 priority lists, 49 are complete, 12 projects are underway, and 12 projects will be initiated in Fiscal Year 2002 and 18 are scheduled to begin construction in Fiscal Year 2003. These authorized projects will benefit approximately 105,000 acres of wetlands. The State of Louisiana Wetlands Conservation Plan was jointly approved by the Secretary of the Army, the Director of the U.S. Fish and Wildlife Service, and the Administrator of the U.S. Environmental Protection Agency on 21 November 1997. Approval of this plan reduced the state's cost-sharing from 25 percent to 15 percent for the projects listed on Priority Project Lists 1-4 and all future lists. For projects on lists 5-6, the state's share is reduced from 25 percent to 10 percent.