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**US Army Corps
of Engineers®**
Galveston District

UPDATE REPORT FOR THE 10TH DISTRICT

Current as of May 2011



Michael McCaul
U.S. House of Representatives
10th Congressional District

About the Galveston District

With its rich heritage in Texas history, the U.S. Army Corps of Engineers Galveston District plays a key role in America's well-being by keeping waterways open for navigation and commerce and serves the nation as part of the world's largest public engineering, design and construction management agency.

Encompassing the Texas coast from Louisiana to Mexico; an area that spans across 50,000 square miles, includes 48 counties, two parishes and 16 congressional districts, the Galveston District successfully executes its mission of providing vital public engineering services in peace and war to strengthen our nation's security, energize the economy and reduce risks from disasters.

With its 370 dedicated professionals and annual budget of approximately \$150 million, the Galveston District will continue to provide valuable navigation, flood risk mitigation, environmental, shoreline protection, regulatory, military construction and emergency management services to our nation and remains fully committed to continuing our mission of building strong.

*"It is a great privilege to serve our nation
as the commander of the U.S. Army
Corps of Engineers Galveston District."*

*— Col. Christopher W. Sallese
District Engineer and Commanding Officer
U.S. Army Corps of Engineers Galveston District*



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Texas Environmental Infrastructure Program

Background:

The program consists of providing environmental assistance in the form of planning, design and construction assistance for water-related environmental infrastructure and resource protection and development projects to non-federal interests in Texas. This work includes projects for water supply; storage; treatment and related facilities; water quality protection; wastewater treatment and related facilities; environmental restoration; and surface water resource protection and development; as identified by the Texas Water Development Board (TWDB). The TWDB, in coordination with the Texas Water Conservation Association, Texas Rural Water Association and individual local public entities, have identified \$210 million in currently proposed projects that are in urgent need of funds to meet short-term water supply needs. Out of this \$210 million, 12 high-priority projects have been identified totaling \$46,086,000.



Example of a reservoir near Brownsville, Texas.

Issue:

The Texas State Water Plan regional planning groups identified about 4,500 water management strategies to meet water supply needs over the next 50 years. Many of these strategies have been initiated and federal assistance (under the Texas Environmental Infrastructure Program, coupled with significant funding appropriated by the Texas Legislature), will ensure that water supply needs are met in the most efficient and timely manner.

Current Status:

There were no funds allocated in the fiscal year 2011 or FY12 President's Budgets for this program.



Addicks

Houston

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Buffalo Bayou and Tributaries, Addicks and Barker Dams

Background:

The earthen dams, located in Houston, underwent a major rehabilitation effort under the Dam Safety Assurance Program in 1991. Improvements included raising embankments and protecting the ends of the dams with concrete to protect against possible overtopping and to meet modern safety standards. Significant development in the Buffalo Bayou watershed (since the 1991 upgrade) has increased flow into the reservoir. The dam safety team's most recent screening indicated that both dams were inadequate in areas including the spillway and/or stilling basin system, outlet works and conduit, embankment, and erosion along the reservoirs' rims. The Interim Risk Reduction Measures Plan requires the determination of areas of potential impact and the threat to local interests from a major rainfall event.

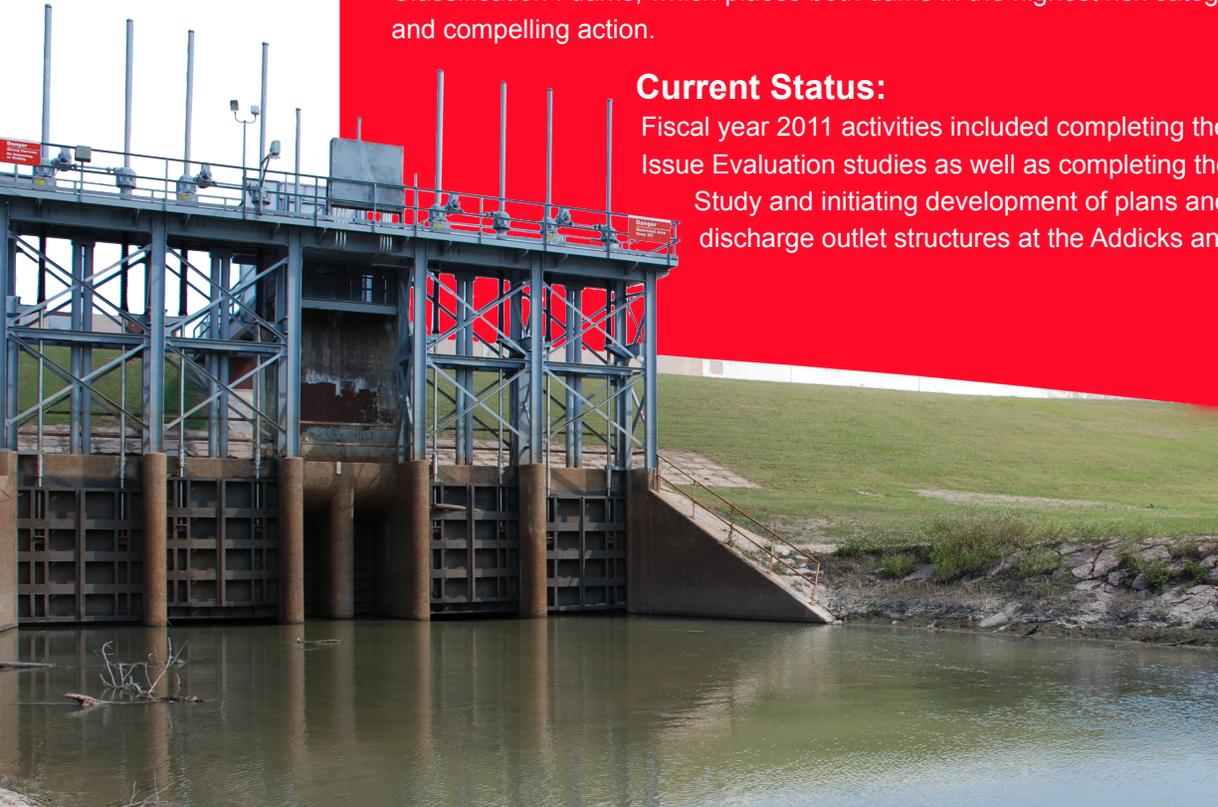
Issue:

The National Dam Safety Cadre Team classified Addicks and Barker dams as Dam Safety Action Classification I dams, which places both dams in the highest risk category and requires urgent and compelling action.

Current Status:

Fiscal year 2011 activities included completing the Value Engineering and Issue Evaluation studies as well as completing the Dam Safety Modification Study and initiating development of plans and specifications for the discharge outlet structures at the Addicks and Barker dams.

Outlet structure at
Barker Dam.



Federal dollars to date:	\$5,556,000
Sponsor dollars to date:	N/A
Total cost of project:	\$48,956,000
FY11 President's Budget:	\$1,900,000
FY12 President's Budget:	\$1,500,000





10th District Authorized Studies

Buffalo Bayou and Tributaries (Main Stem)

FLOOD RISK MANAGEMENT STUDY: Buffalo Bayou and Tributaries (main stem) is located entirely within the city limits of Houston, Texas. The study area includes 32 miles of channel extending from the Houston Ship Channel Turning Basin upstream through the business district of Houston to Barker Dam. Congressional interest in this project has increased since Tropical Storm Allison hit the area in June 2001, causing significant flooding within the Houston area and impacting an estimated 45,000 residences (approximately \$1.76 billion in damages) and 1,656 businesses (reported damages estimated at \$1.08 billion).

FY11 President's Budget:	\$0
FY12 President's Budget:	\$0
Total cost of project:	\$6,900,000

Buffalo Bayou and Tributaries, White Oak Bayou

FLOOD RISK MANAGEMENT STUDY: White Oak Bayou is located in central Harris County, covers about 111 square miles and includes three primary streams: White Oak Bayou, Little White Oak Bayou and Cole Creek. Frequent flooding of residential properties along White Oak Bayou and its tributaries occurs. A series of detention reservoirs and channel adjustments in the upper reaches could facilitate drainage in the watershed. Without additional funding, coordination and oversight of the work performed by the non-federal sponsor, Harris County Flood Control District, to complete the General Re-evaluation Report will not continue.

FY11 President's Budget:	\$0
FY12 President's Budget:	\$0
Total cost of project:	\$9,522,000





10th District Operations and Maintenance

Buffalo Bayou and Tributaries (Addicks and Barker Dams and Reservoirs)

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. Operations and maintenance funds for the Addicks and Barker dams and reservoirs allow for the project to continue serving its purpose of reducing flooding in the City of Houston, protecting residents downstream in the nation's fourth largest city.

FY11 President's Budget:	\$3,518,000
FY12 President's Budget:	\$3,670,000



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