

## **PROJECT COMPLETION REPORT**

**Project Name:** TE-28 Brady Canal Maintenance Project  
Levee Refurbishment along the west bank of Jug Lake

**Report Date:** January 28, 2004

**Report By:** Louisiana Department of Natural Resources

### **Project Personnel:**

DNR O&M Manager:	Brian Babin	(985) 447-0956
NRCS O&M Manager:	Brad Sticker	(318) 473-7791
Apache Construction Manager:	Tim Allen	(985) 897-3528

### **Project Location and Description**

The maintenance project is located within the Brady Canal Hydrologic Restoration boundary along the west bank of Jug Lake from Structure No.21 south to Bayou Decade. The project consist of removing a dilapidated water control structure installed by the Fish and Wildlife Service, refurbishing approximately 5,050 linear feet of existing levee and seeding newly place dredge material obtained from Jug Lake.

### **Sequence of Events:**

As a result of inspections of the existing levee with representatives of LDNR, NRCS and the land owners, it was determined that the existing levee should be elevated to prevent breaches from occurring along the west bank of Jug Lake due to extensive wave action. The land owner, Apache Corporation, agreed to contract the maintenance work using in-kind service credits authorized in the Brady Canal Cost Share Agreement, Cooperative Agreement No. 68-7217-7-11, DNR Agreement No. 2511-98-08 dated June 17, 1998. The contractor selected to perform the maintenance work is Berry Bros. General Contractors of Houma, La. Below is the sequence of events leading up to construction and project completion.

September 3, 2003 – Timothy Allen with Apache Corporation requested in writing there wishes to refurbish approximately 3,100 linear feet of existing levee embankment which was at risk of breaching. Apache agreed to contract the work to be charge to the project as in-kind services. Apache estimated the repairs of the levee at \$35,000.

September 3, 2003 – LDNR issued a request for Coastal Zone Consistency to Greg Ducote with La. Office of Coastal Restoration and Management to remove the existing water control structure and refurbish existing levee.

September 11, 2003 – Ronald Paille with FWS confirmed through e-mail that the existing water control structure located along the west bank of Jug Lake was installed by the Fish and Wildlife Service for marsh management research was no longer needed and may be removed and disposed of.

September 12, 2003 – Brad Sticker with NRCS issued concurrence in writing to LDNR to removing flap gated structure and refurbishment of existing levee.

September 15, 2003 – Coastal Zone Consistency Modification C960231 was issued to LDNR for work to be performed by the Apache Corporation.

September 15, 2003 – Apache Corporation was issued a letter from LDNR approving their request to remove the existing water control structure and refurbishment of existing levee.

September 24, 2003 – Contractor, Berry Bros. General Contractors, mobilized equipment and began construction.

September 29, 2003 – With concurrence from NRCS, an additional \$1,000 was authorized to seed existing levee once levee refurbishment was completed. The total authorized amount was increased from \$35,000 to \$36,000.

September 29, 2003 – Berry Bros completed removal of existing water control structure and refurbishment of levee.

December 2, 2003 – Apache Corporation submitted final invoice to LDNR for in-kind service credits. The total amount for services provided by Apache is \$34,284.87. This cost included construction of approximately 5,050 linear feet of levee refurbishment, structure removal and seeding.

**Maintenance Project Cost Elements:**

Berry Bros.:	\$31,323.80
Caillou Island Towing:	\$ 1,155.00
South La. Seed Co.	\$ 469.07
Apache (const. Oversight & Equipment)	\$ 1,338.00
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	\$34,294.87
 As-built Survey (Shaw Coastal):	 \$ 5,100.60
 <b>Total Maintenance Cost:</b>	 <b>\$39,395.47</b>

**Major Equipment Used:**

Tug "Shawnee" 900 HP

9/24/03 2 hrs.

9/28/03 8 hrs.

9/29/03 16.5 hrs.

Dredge "Captain Buford" (8 cu. Yd.)

9/24/03 1 hr tow, 14 hrs. operating

9/25/03 24 hrs. operating

9/26/03 24 hrs. operating

9/27/03 24 hrs. operating

9/28/03 23 hrs. operating, 1 hr. repair