



US Army Corps
of Engineers
Wilmington District

B. Everett Jordan Dam and Lake, NC (O&M)

FY 2016 Planned Actions:

- Operations and maintenance of dam infrastructure for flood risk management
- Operate recreation facilities to meet increased public demand
- Operate facilities for environmental stewardship



CONGRESSIONAL DISTRICT: NC 2, 4

DATE: 23 February 2015

1. **AUTHORIZATION:** Flood Control Act of 1965 (PL 89-253)
2. **LOCATION AND DESCRIPTION:** The project is located on the Haw River, NC, 4.3 miles above its confluence with the Deep River to form the Cape Fear River, and 2.5 miles north of Moncure, NC. The project consists of an earthen dam 1,330 feet long with a maximum height of 112 feet above the streambed, an uncontrolled, unpaved chute spillway, and a controlled 19-foot diameter outlet structure. Some saddle dikes are located beyond the spillway. The reservoir has a gross storage capacity of 753,500 acre-feet, of which 538,400 acre-feet is for flood risk management and 215,100 acre-feet is for a conservation pool for water-quality control, water supply, and sedimentation. The reservoir is operated as a unit of a coordinated system for water management in the Cape Fear River basin for flood risk management water supply, water quality control and other purposes.
3. **FEDERAL FUNDING ALLOCATION FOR FY 2014:** \$1,849,000.
4. **FY 2015 FEDERAL FUNDING ALLOCATION:** \$1,856,000. Funds are being used to continue operation and maintenance requirements for flood risk management, recreation and environmental stewardship.
5. **FY 2015 BUDGET AMOUNT:** \$2,049,000. Funds would be used for normal operation and maintenance of project. Additional funds in the amount of \$8,314,000 could be used as follows:

PROJECT INFORMATION – B. Everett Jordan Dam and Lake, NC (O&M) - Continued

• Update the seepage and slope stability analysis	\$ 250,000
• Conduct seismic structural analysis of intake tower, stilling basin and access bridge	\$ 150,000
• Conduct hydraulic steel structures inspection on water control gates	\$ 50,000
• Replace riprap on downstream side of dam (located from 205 berm up to the top of the dam)	\$ 5,000,000
• Complete major rehabilitation report on gates and gate mechanisms	\$ 400,000
• Update water control plan and revise inundation maps	\$ 718,000
• Conduct archaeological survey	\$ 350,000
• Investigate stability of upstream and downstream slope for riprap, bulge on upstream slope, probable maximum flood elevations and conduct spillway erosion analysis	\$ 275,000
• Construct American with Disabilities Act (ADA) compliant fishing platform on east side of tailrace	\$ 232,000
• Perform maintenance of dam and reservoir, purchase water control management equipment and concrete abutment removal design	\$ 194,000
• Develop professional grade visitor center displays	\$ 175,000
• Construct canoe portage and additional parking in heavily used tailrace day use area	\$ 155,000
• Update water supply storage manual, conduct underwater intake tower inspection and prevent degradation/loss of designated significant natural areas and plans for historic property management	\$ 315,000
• Installation of 800 square feet of solar array to provide power to the visitor center	\$ 50,000
Total	\$ 8,314,000

6. **OTHER INFORMATION:** Various studies, inventories and management plans have not been reviewed in several years, with some studies not being conducted at all. Several of these activities are required for a periodic review by regulation; however, due to funding shortfalls in the past several years, these activities have been placed on hold. Funding of these activities would bring many of these actions within regulatory compliance, provide a plan of action in the out years that could reduce our operation and maintenance costs and enhance safety for the visiting public.