

Richland Creek Watershed Dam No. 2A Rehabilitation Project Rankin County, Mississippi

Fact Sheet
August 2020

History of the Dam:

Richland Creek Watershed Dam No. 2A is one of three flood control dams constructed in the Richland Creek Watershed.

The dam, located in Rankin County two miles east of Brandon Mississippi, was constructed in 1983 with assistance of the Natural Resources Conservation Service (NRCS) Watershed Protection and Flood Prevention Program.

The original objective of the dam was to reduce flood damages in the upper headwaters of Richland Creek. The dam was rehabilitated to maintain that objective and upgrade it to meet current hydrologic criteria.



A new outlet channel and impact basin was constructed as part of the rehabilitation project.

Why Rehabilitate the Dam?

A dam assessment was completed in October 2012 that recommended a change in the hazard class for this dam from low to high hazard based on the potential flooding of three downstream single family houses and an elementary school if the dam was to fail.

The Richland Creek Watershed and Drainage District requested rehabilitation assistance from NRCS in 2008, and rehabilitation construction was completed in August 2020.

Rehabilitation Details:

The top of the dam was raised four feet, the auxiliary spillway was widened by 100 feet, a new outlet channel and impact basin were constructed and a chimney drain was added to the dam.



The width of the auxiliary spillway was increased by 100 feet.

Project Cost:

The NRCS provided technical assistance and 65 percent of the design and construction cost. Project sponsors provided easements and land rights for the project and 35 percent of the cost.

Federal funds for the project came from the NRCS Small Watershed Program Rehabilitation funds.

Benefits:

Rehabilitation extended the life of the dam for another 100 years and ensures it will maintain the benefits of sediment reduction, groundwater recharge, wildlife habitat enhancement, and recreation. The dam provides \$27,365 in average annual benefits.

Partners:

Richland Creek Watershed and Drainage District
Mississippi Soil and Water Conservation Commission
USDA Natural Resources Conservation Service

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