

South River Watershed Dam No. 4 Rehabilitation Project Madison County, Georgia

Fact Sheet
March 2017

History of the Dam:

South River Watershed Dam No. 4 is one of nine dams constructed in the South River Watershed in Madison County.

The dam, located north of Hull, Georgia, was constructed in 1967 by the Broad River Soil and Water Conservation District with assistance of the Natural Resources Conservation Service (NRCS) Watershed Protection and Flood Prevention Program.

The dam was constructed to provide flood protection for rural agricultural land.



Rehabilitation of the dam included constructing a 54-foot wide concrete chute auxiliary spillway with a two cycle labyrinth weir over the top of the existing dam

Why Rehabilitate the Dam?

The dam was constructed as a low hazard dam for flood control. It was later reclassified to a high hazard status by NRCS and the Georgia Safe Dams Program.

The dam was reclassified as a high hazard dam due to homes and businesses being constructed downstream and failure of the dam could result in loss of life. The dam did not meet the current dam safety standards for a high hazard dam.

Rehabilitation Details:

The structural upgrade consisted of a 54-foot wide conventional concrete chute auxiliary spillway with a two-cycle labyrinth weir over the top of the existing dam. The height of the dam was raised by three feet. This provided the needed upgrade to meet current public safety standards to achieve the required protection downstream of this high hazard dam. The project was completed in April 2012.

Project Cost:

The NRCS provided technical assistance and 65 percent of the design and construction cost (\$1.4 million). Project sponsors provided easements and land rights for the project and 35 percent of the cost (\$450,000).

Benefits:

Rehabilitation extended the life of the dam for another 100 years and provides flood protection for 20 homes and/or businesses. It will provide an estimated \$57,238 in average annual flood damage reduction benefits.

An estimated 630 residents in the flood plain along the lower four miles of the flood plain benefit from the flood protection of the dam.

Partners:

- Broad River Soil and Water Conservation District
- Georgia Soil and Water Conservation Commission
- Madison County Board of Commissioners
- USDA NRCS

For More Information Contact:

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