

Noonday Watershed Dam No. 17 Rehabilitation Project Cobb County, Georgia

Fact Sheet
December 2021

History of the Dam:

Noonday Watershed Dam No. 17 is an earthen embankment located on Tate Creek, a tributary of Noonday Creek in Cobb County, Georgia.

The dam was constructed by the Cobb County Soil and Water Conservation District in 1956 with the assistance of the USDA Natural Resources Conservation Service (NRCS) Watershed Program.



Before

After

Why Rehabilitate the Dam?

Significant urban development has occurred upstream of the dam, resulting in increased runoff and reduced time of concentration. Similar development downstream has resulted in many structures within the breach zone.

Development downstream of the dam has resulted in reclassification of the dam from a low hazard dam to a high hazard dam and it now does not meet current NRCS or Georgia Safe Dams Program performance criteria for a high hazard potential dam.

Rehabilitation will bring the dam up to current dam safety criteria and extend its life for another 100 years.

Rehabilitation Details:

The project involves upgrades to the existing earthen dam including, construction of a Roller Compacted Concrete (RCC) chute spillway, reinforced concrete stilling basin, cutoff wall, and training walls with underdrains.

It also includes construction of subsurface drainage systems, possible rock excavation and on-site earth fill.

Project Cost:

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

Benefits:

Rehabilitation of this dam will provide flood protection for 156 downstream residents, 13 homes, two stables, a neighborhood recreation facility, one local road, Interstate 575, and many public utilities and infrastructure. The rehabilitation project is estimated to provide annual benefits of \$246,156.

Partners:

- Cobb County Soil and Water Conservation District
- Georgia Soil and Water Conservation Commission
- USDA NRCS

For More Information Contact:

Diane Guthrie, NRCS State Engineer
355 East Hancock Avenue
Athens, GA 30601
706-546-2310 / 706-542-2272
diane.guthrie@ga.usda.gov



This fact sheet was developed for the USDA Natural Resources Conservation Service by the National Watershed Coalition. USDA is an equal opportunity provider, employer and lender.
December 2021

