

Palmetto Creek Watershed Dam No. 1 Rehabilitation Project Harris County, Georgia

Fact Sheet
January 2022

History of the Dam:

Palmetto Creek Watershed Dam No. 1 is an earthen embankment located on Palmetto Creek, which is a tributary of the Palmetto Creek River, in Harris County, Georgia. It is known locally as Lake Lorraine. The reservoir and dam are located about 2.5 miles northeast of the city of Hamilton.

The dam was constructed in 1960 for the purpose of flood control with the assistance of the USDA Natural Resources Conservation Service (NRCS) Watershed Program.

that it no longer met 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 reinforced concrete labyrinth weir on the existing embankment and extending the existing embankment across the existing auxiliary spillway.

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 45 downstream residents, 15 homes, 7 roads, and other infrastructure such as utilities and culverts.

Partners:

- Pine Mountain Soil & Water Conservation District
- Georgia Soil and Water Conservation Commission
- USDA NRCS

For More Information Contact:

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Beginning of project

Mid-project

Pictured:
Madison Tuohy,
student intern

End of project

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. This means



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.
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