

Pohick Creek Watershed Dam No. 2 Rehabilitation Project Fairfax County, Virginia

History of the Dam:

Pohick Creek Dam No. 2, known locally as Lake Barton, was constructed in 1978 and is one of six dams in the Pohick Creek Watershed Project.

The dam was constructed by Fairfax County and the Northern Virginia Soil and Water Conservation District with assistance from the USDA Natural Resources Conservation Service (NRCS) Watershed Protection and Flood Prevention Program.

When the Pohick Watershed Project began in 1970 about 5,000 people lived in the watershed. Today there are more than 100,000.



Photo shows construction of one of two concrete cutoff walls in the auxiliary spillway.

Why Rehabilitate the Dam?

The dam was rehabilitated due to concerns that an extreme rainfall event could erode away the earthen auxiliary spillway which could result in a dam failure. Lives of those downstream could be at risk in such an event.

Partners:

- Fairfax County Board of Supervisors
- Northern Virginia Soil and Water Conservation District
- USDA Natural Resources Conservation Service



Completed project shortly after construction with the two cutoff walls installed.

Rehabilitation Plan Details:

The rehabilitation project was completed in 2011. The project was designed to stabilize the auxiliary spillway during intense storms and included construction of two concrete cutoff walls, raising and extending the training dike to better protect the dam and raising the top of the dam about four inches.

Project Cost:

Rehabilitation of the dam cost \$3,605,911. NRCS provided \$2,343,842 through the American Recovery and Reinvestment Act of 2009 for planning, design and construction costs and local sponsors provided \$1,262,069.

Benefits:

Rehabilitation of the dam extends the life of the dam and its benefits for another 100 years and protects 535 residents, 192 homes, 41 businesses, 4 highways and 2 railroads from flooding.

The rehabilitation project not only provides direct benefits to the immediate area, but also provides resource conservation, economic benefits and public safety benefits that extend well beyond that area.

For More Information Contact:

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