

BLAKES CREEK ARMOUR CREEK-SITE 7 WATERSHED REHABILITATION PROJECT

Introduction

Blakes Creek Armour Creek Site 7 is a flood control and recreation dam in Kanawha County, WV. It is the only dam constructed on tributaries within the Blakes Creek Armour Creek Watershed. The site is located just upstream of the City of Nitro. The site is also referred to as Ridenour Lake Dam.



Watershed Project Information

Blakes Creek Armour Creek Site 7:

Project authorized in 1966 and construction was completed in 1970 for the purposes of flood protection and recreation.

Rehabilitation Needs:

- Flattening the embankment slopes,
- Replacing internal filter and drain system,
- Improving the principal spillway system, and
- Installing a structural auxiliary spillway. **Estimated**

Costs:

Total Project: \$26,800,000

Local Sponsor Share: \$8,300,000

Funding:

Federal cost-share equal to 65% of the total eligible project cost, but must not exceed 100% of the actual construction cost of the project. Local Project Sponsors are responsible for the non-Federal share of the cost of the rehabilitation project.

USDA NRCS is the lead federal agency on the project.

Sponsors

- Capitol Conservation District
- Western Conservation District
- City of Nitro
- Kanawha County Commission
- West Virginia Conservation Agency

Resource Concerns

Rehabilitation is needed to bring the dam into compliance with current State and Federal dam design safety and engineering criteria and performance standards.

Benefits

- Reduction in the potential for loss of life by reducing the possibility of dam failure,
- Reduction in the sponsors liability associated with the operation of a structure not meeting current dam safety criteria,
- Preservation of flood protection for residences, businesses, community and civic facilities, and infrastructure downstream,
- Preservation of recreation facilities for the community, and
- New service life of 100 years.

Timeline

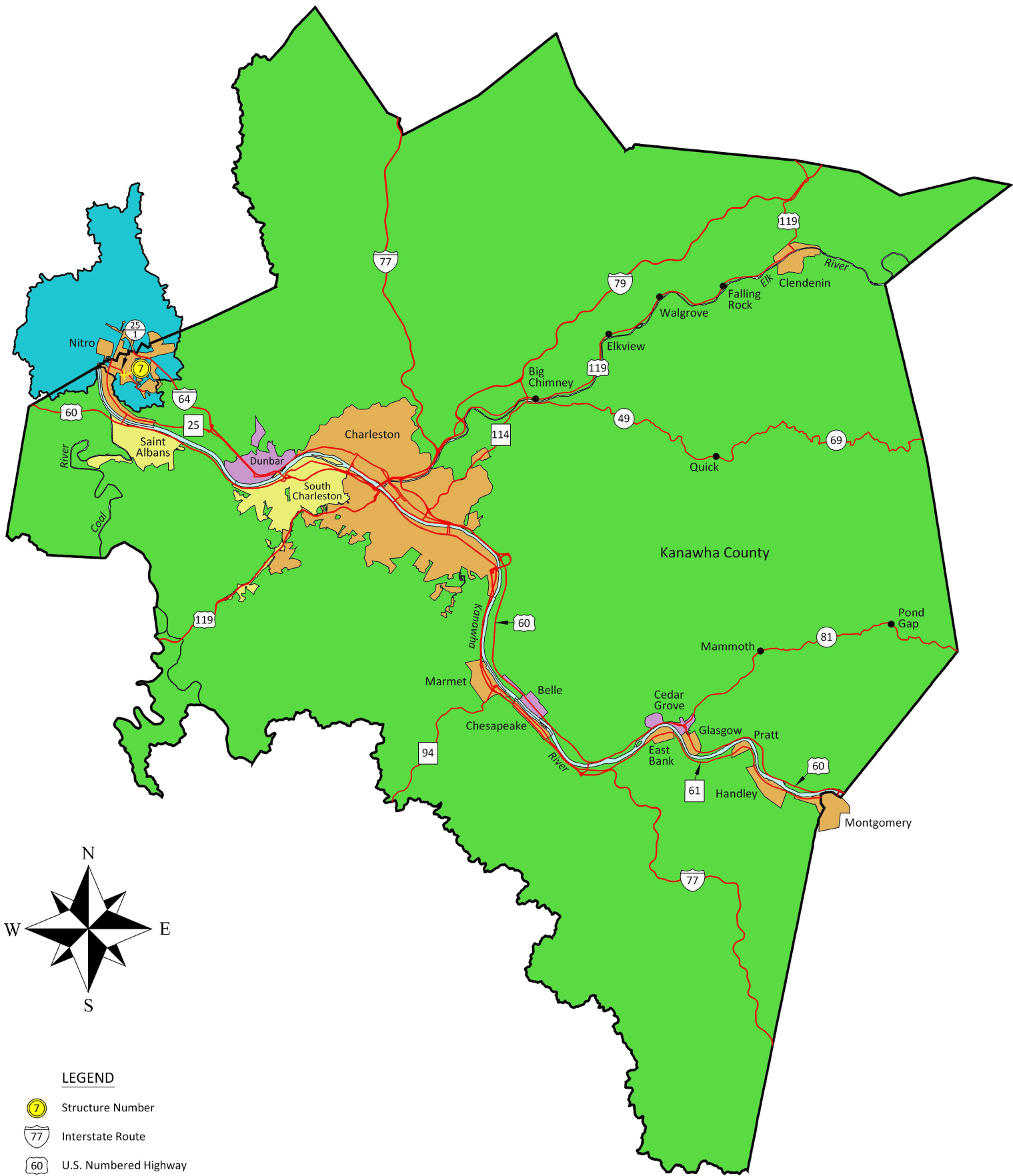
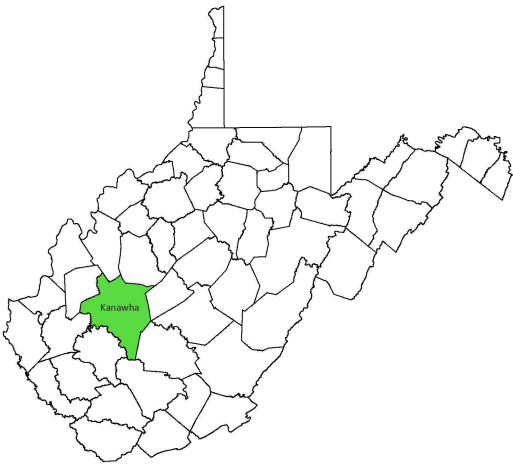
Assessment Phase: Completed in 2016

Planning Phase: 2020-2023 (estimated)

Design Phase: 2024-2026 (estimated)

Construction Phase: 2026-2029 (estimated)

BLAKES CREEK - ARMOUR CREEK WATERSHED
KANAWHA COUNTY, WEST VIRGINIA



LEGEND

- Structure Number
- Interstate Route
- U.S. Numbered Highway
- WV Numbered Highway
- WV County Numbered Route