BRUSH CREEK - SITE 9
WATERSHED REHABILITATION PROJECT

Introduction

Brush Creek Site 9 is a flood control and water supply dam in Mercer County, WV. It is one of ten flood control dams constructed on tributaries within the Brush Creek Watershed. The site is located approximately ten miles upstream of the City of Princeton. The site is also referred to as James P. Bailey Lake.

Sponsors

- Southern Conservation District
- Green Valley-Glenwood PSD
- Mercer 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 the 500-year level of flood protection for residences, businesses, community and civic facilities, and infrastructure downstream,
- Protection of real estate values downstream,
- Preservation of a municipal water source for the community,
- New service life of 100 years, and
- Net beneficial effects: $269,800 annually.

Watershed Project Information

Brush Creek Site 9:
Project authorized in 1959 and construction was completed in 1964 for the purposes of flood protection and water supply.

Rehabilitation Needs:

- Flattening the downstream embankment slope,
- Replacing internal filter and drain system,
- Improving the principal spillway system, and
- Reinforcing the auxiliary spillway.

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.

Timeline

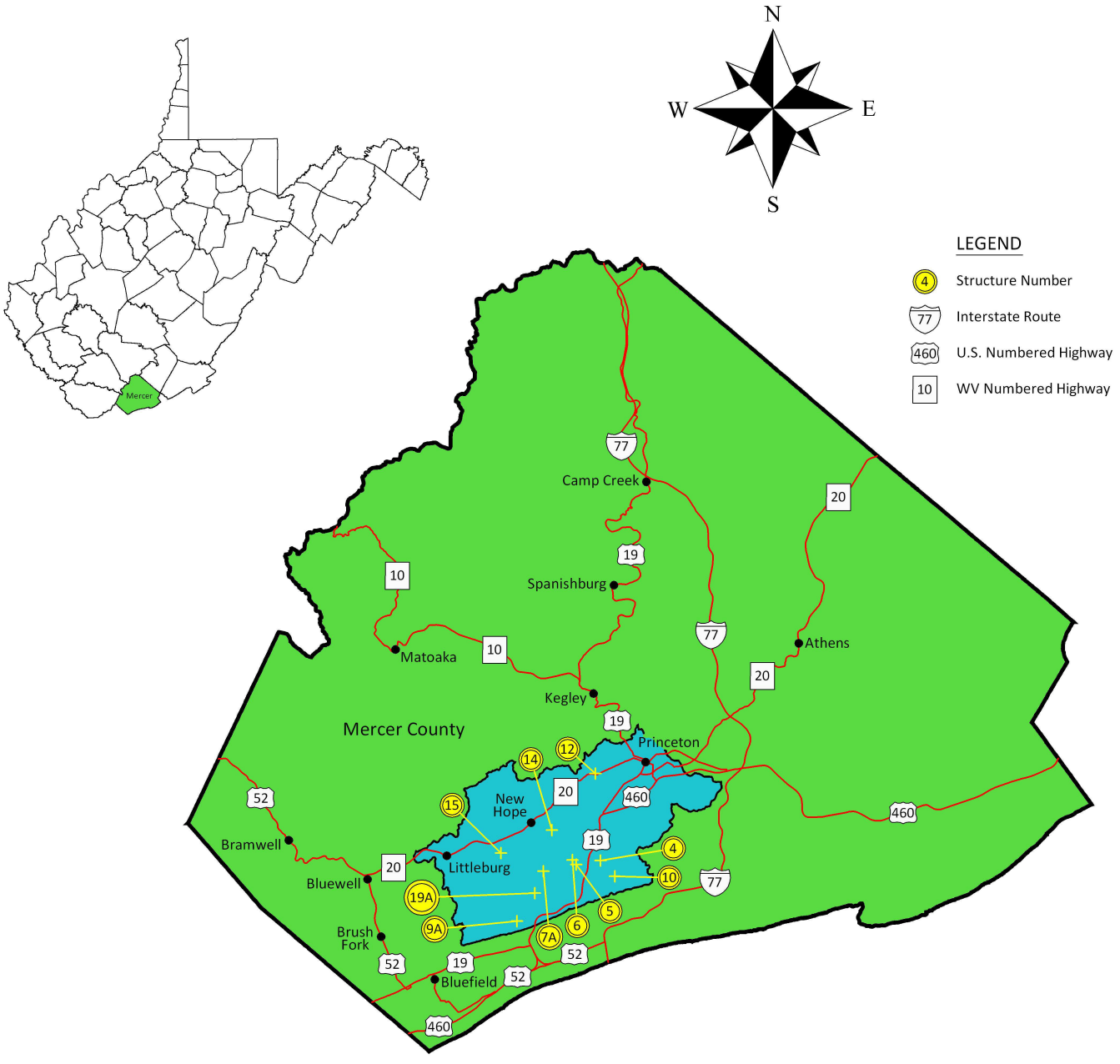
Assessment Phase: Completed in 2011
Planning Phase: Completed in 2019
Design Phase: 2018-2024
Construction Phase: 2025-2027 (pending completion of BC 15 and BC14)

USDA is an equal opportunity provider, employer, and lender.

USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

JUNE 2010

BRUSH CREEK WATERSHED
MERCER COUNTY, WEST VIRGINIA



WBD-WV HUC-12 050500020801