



CANISTEO FLOOD DAMAGE REDUCTION PROJECT



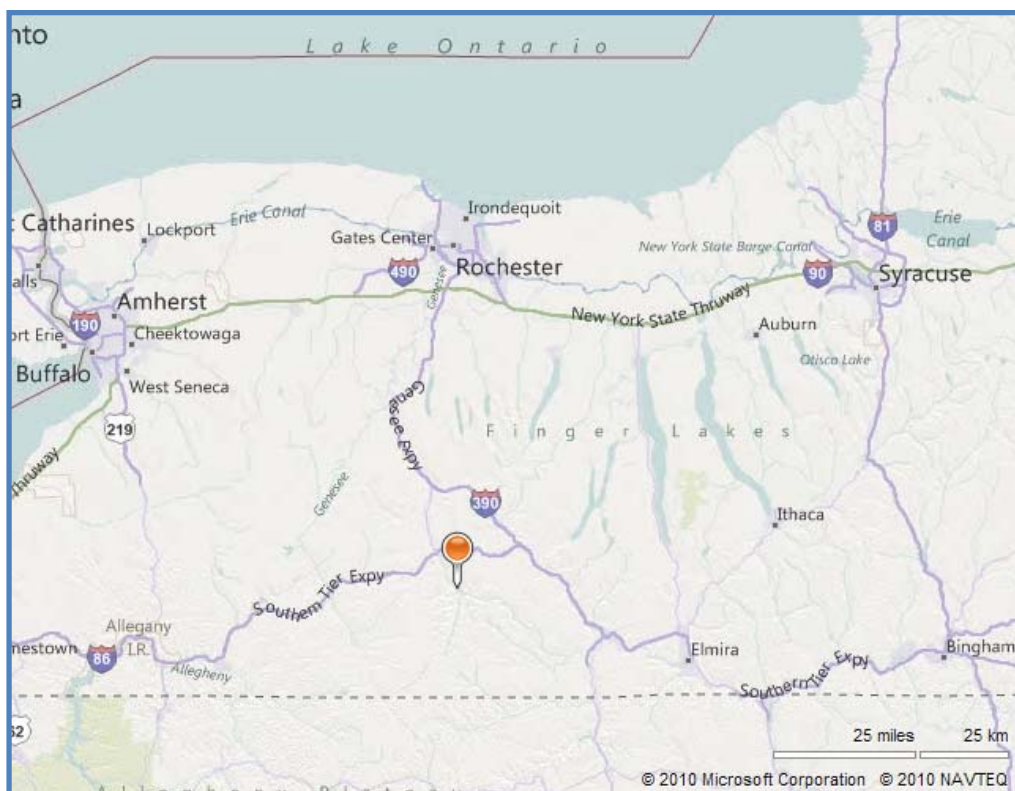
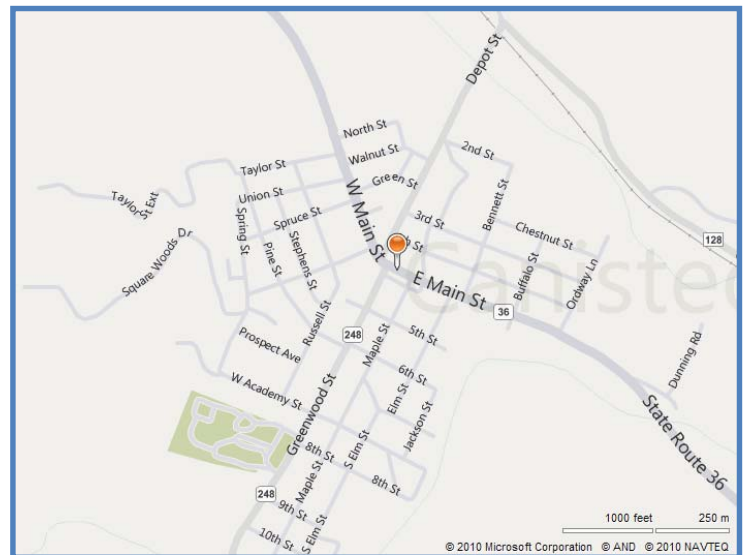
*Department of
Environmental Conservation*

Region 8 Counties: Chemung,
Genesee, Livingston, Monroe,
Ontario, Orleans, Schuyler,
Seneca, **Steuben**, Wayne, Yates

Operated and Maintained by: New York State

PROJECT LOCATION

The Village of Canisteo, Steuben County, New York, is located along the south side of the Canisteo River, a tributary of the Susquehanna River which is 40 miles upstream from the City of Corning.



PROJECT DESCRIPTION

The local flood-protection works for Canisteo consist of a system of earth levees with appurtenant drainage structures plus three check dams.

- The levees include a run of about 8,000 feet on the right bank of the Canisteo River, beginning at high ground about 1,600 feet southwest of New York State Route No. 36 on the northwest side of the Village. The levee crosses Route 36 and continues for about 100 feet where it turns in a southeasterly direction and extends parallel to the Canisteo River, for about 5,400 feet where it turns southwesterly and extends about 1,000 feet to its termination at Route 36 on the southeast side of the Village.
- Also included are about 7,400 feet of levee on the left banks of Purdy and Bennett Creeks, beginning at the Route 36 bridge over Bennett Creek and extending upstream along the left bank of Bennett Creek to Purdy Creek, and then continuing upstream along the left bank of Purdy Creek crossing Greenwood Street (State Route 248), to terminate at high ground about 900 feet upstream of Greenwood Street.
- There is a concrete check dam on Purdy Creek upstream from Greenwood Street and two concrete check dams on Bennett Creek downstream from its confluence with Purdy Creek.

AUTHORIZATION

By enactment of the Flood control Act approved June 22nd 1936 (Public Law No. 738, 74th Congress), Congress authorized “Construction of detention reservoirs and related flood-control works for protection of Binghamton, Hornell, Corning, and other towns in New York and Pennsylvania in accordance with plans approved by the Chief of Engineer...”

The flood-protection works at Canisteo, New York, constructed under the authority cited above as amended by the Flood Control Act approved June 28th, 1938 (Public Law No. 761, 75th Congress, third session), are a part of the comprehensive plan for flood control in the Upper Susquehanna River Watershed in southern New York and eastern Pennsylvania. The general scope of this project is described in House Document No. 702, 75th Congress, Second session.

PROTECTION PROVIDED

The local flood protection project for Canisteo, supplemented by Arkport and Almond Reservoirs above the village, provides protection for Canisteo against a flood discharge approximately 30 percent greater on the Canisteo River than the flood of July 1935.

On Bennett and Purdy Creeks the channel capacity is approximately equal to the discharge of the July 1935 flood, which was the maximum flood of record when the project was designed. During the June 1972 flood the flows on Bennett Creek exceeded the design capacity and caused some damage to the levees. Flows on Purdy Creek and the Canisteo River were below design capacity.

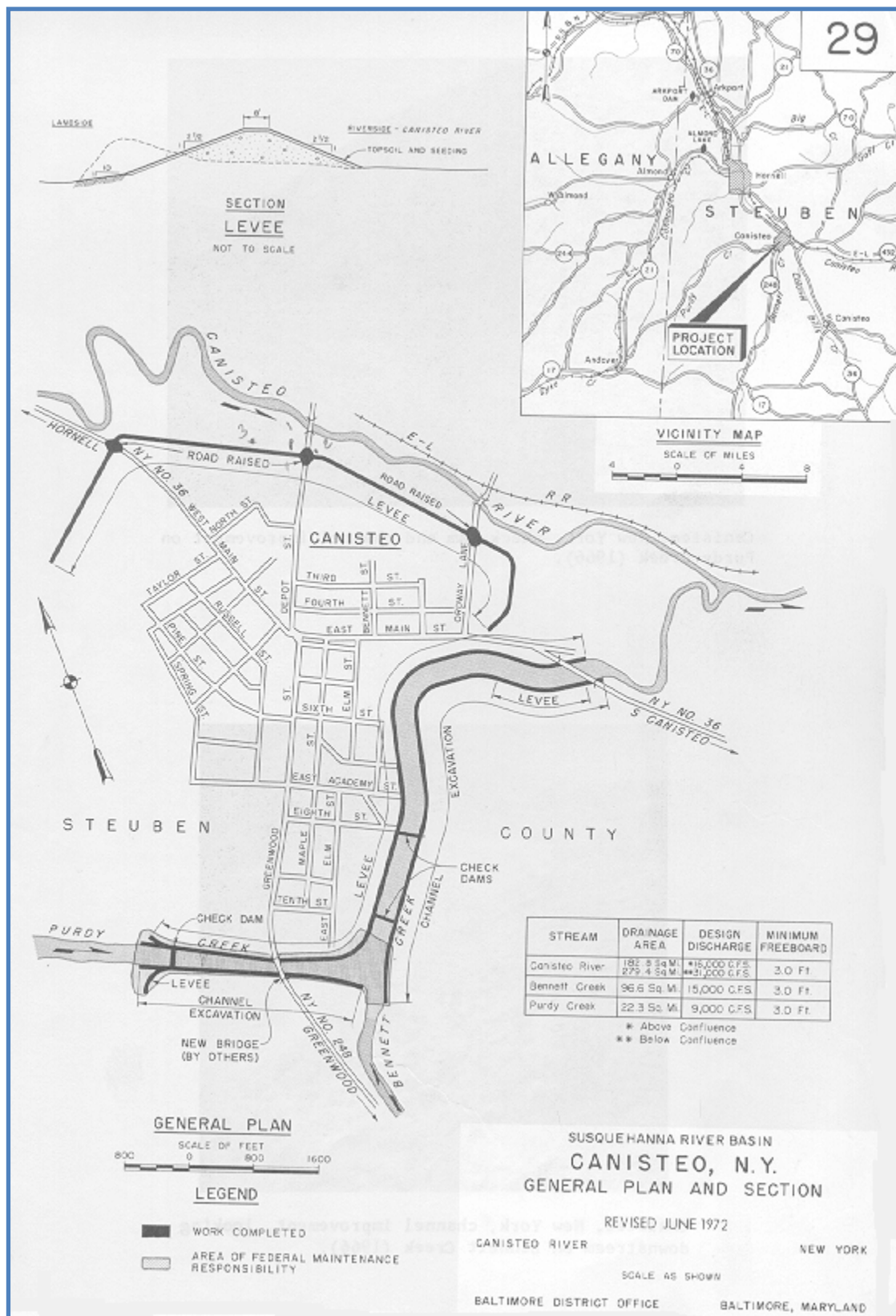
CONSTRUCTION

Prior to initiation of the Federal project, local interests constructed levees along both banks of Bennett Creek, along the left bank of Purdy Creek, and along the right bank of the Canisteo River. Two timber check dams and a series of ground sills on Bennett Creek were built in 1938 by the Works Progress Administration. The main project supplementing the protection placed by local interest and by the W.P.A. was constructed during the period from August 1946 to June 1948 by the D. W. Winkelman, Co. Inc., of Syracuse, New York.

Coincident with the construction of the main project, the State of New York constructed a new highway bridge carrying Greenwood Street over Purdy Creek. The two timber check dams placed on Bennett Creek in the original project were replaced by ones of concrete by A. F. Castanzo and Sons under contract DA-18-020-62-227 with the work being completed on June 30th, 1963. Rehabilitative placement of slope protection disrupted by tropical storm "Agnes" (June 1972) was completed under contract DACW31-74-C-0016 by the L. C. Whiteford Company in January 1974.

The Federal cost was \$1,183,111, of which \$1,125,750 was for construction and \$57,361 was for lands and damages. The reported cost to local interests was \$35,000 for lands and damages.

CANISTEO - GENERAL PLAN



CANISTEO – BIRD'S EYE VIEW



