



ADDISON FLOOD DAMAGE REDUCTION PROJECT



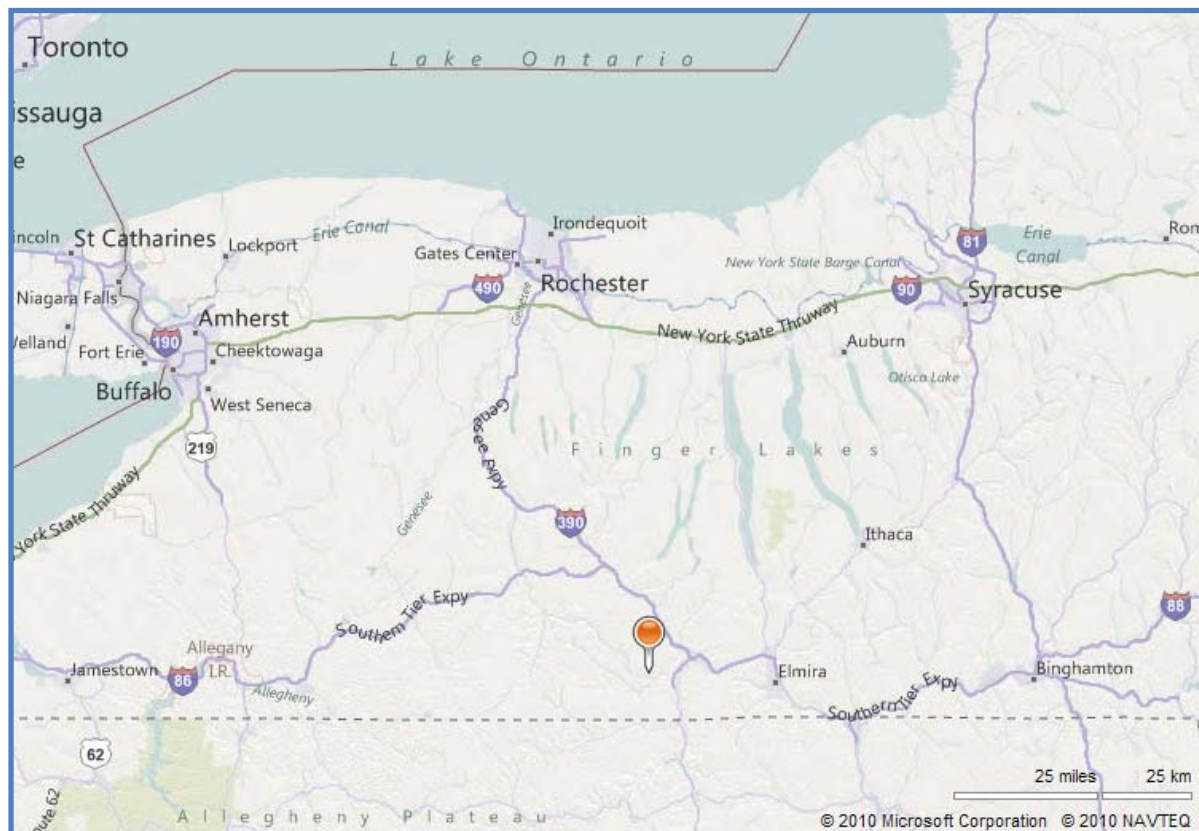
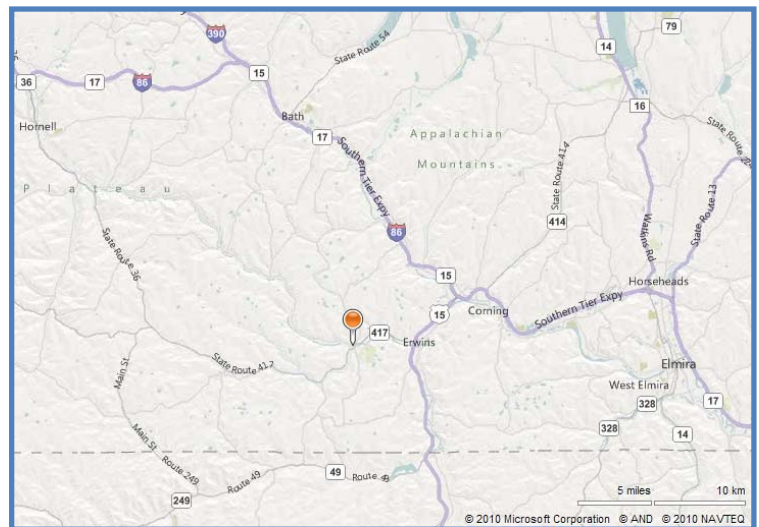
*Department of
Environmental Conservation*

Operated and Maintained by: New York State

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

PROJECT LOCATION

The project is located in the town of Addison, Steuben County, New York, on the Canisteo River at its confluence with Tuscarora Creek.



PROJECT DESCRIPTION

The local flood-protection works consists of the following features:

- 3,100 feet of earth levee and approximately 730 feet of concrete floodwall on the right bank of the Canisteo River.
- 2,200 feet of earth levee on the left bank of Tuscarora Creek.
- 4,600 feet of earth levee on the right bank of Tuscarora Creek.
- And appurtenant drainage structures.

In general, the crown width of the levees is 8 feet and side slopes are 1 foot vertical to 2.5 feet horizontal. The average height of the levee along the Canisteo River is 11 feet, the average height of the levee along the right bank of Tuscarora Creek is 10 feet, and the average height along the left bank is 9 feet. A minimum freeboard of three feet above the design flow line has been provided.

The levees are constructed of impervious material; and because of the short duration of flood stage, steady seepage is not expected to take place. A portion of the levee on the river side along the right bank of Canisteo River is protected by riprap to a depth of 2 feet; the remainder of the levee is surfaced with topsoil and seeded.

The reinforced concrete walls are T- and L-type with gravity-type walls placed at the ends of higher wall sections. Since the foundation consists of sandy gravel with varying mixtures of silt and clay, steel sheet and timber piling was used throughout the lengths of the walls.

PROJECT AUTHORIZATION

By enactment of the Flood Control Act approved June 22, 1936 (Public Law No. 738, 74th Congress), Congress authorized the flood protection works for Addison, NY, as part of the comprehensive system for flood control in the Upper Susquehanna River watershed in southern New York and eastern Pennsylvania.

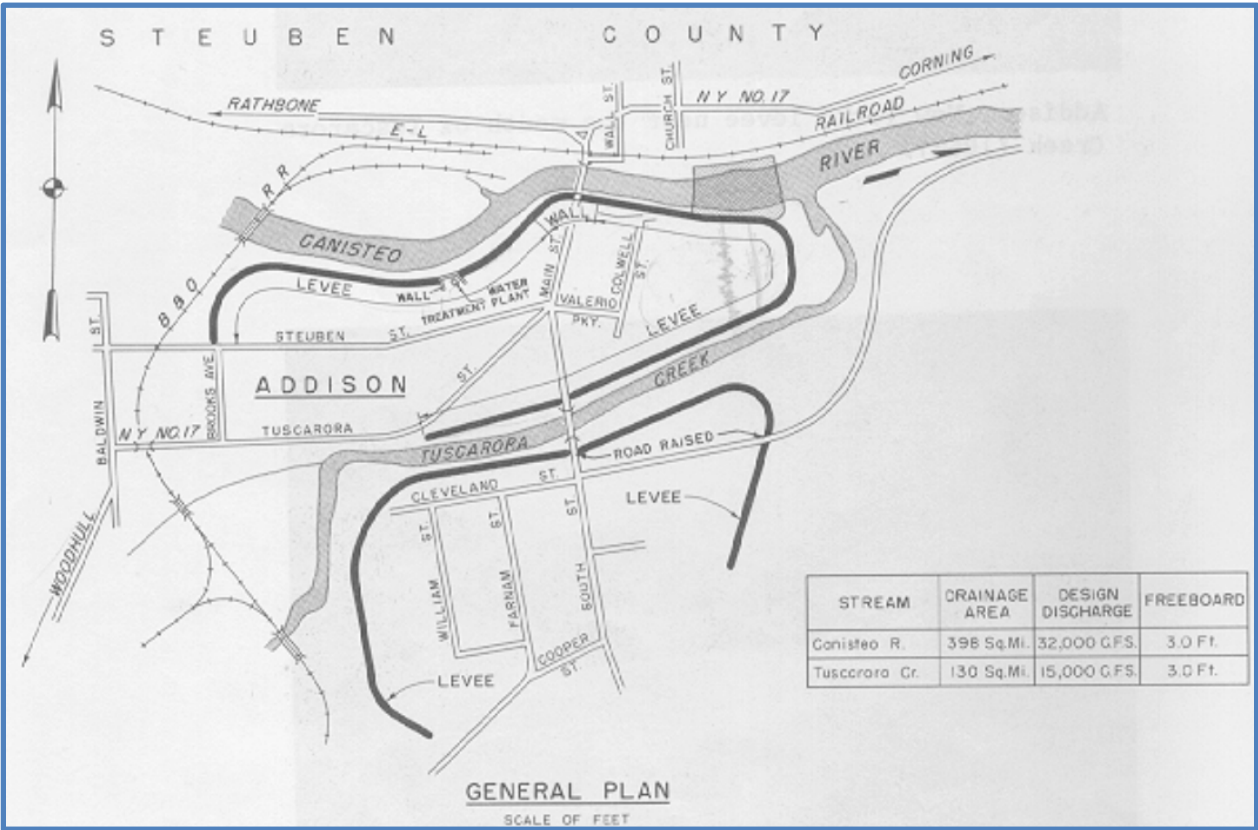
PROTECTION PROVIDED

The local works provide protection for the village of Addison against a flood on the Canisteo River 28 percent greater than the flood of record (July 1935) at the time of construction. Protection is provided against a flood approximately equal to the largest of record on Tuscarora Creek which occurred in June 1972.

CONSTRUCTION

Following the flood of July 1935, the village of Addison constructed a wall and incomplete levees along the right bank of the Canisteo River and levees along both sides of Tuscarora Creek. The main project, incorporating the protection placed by the Village, was constructed during the period from August 1946 to December 1947 by the Fago Construction Co., Buffalo, New York. During the spring of 1950, the State of New York performed additional improvements to the project by widening and relocating the channel of Tuscarora Creek downstream from the Baltimore and Ohio Railroad Bridge, and placing 500 feet of riprap for levee toe protection in that reach.

ADDISON - GENERAL PLAN



ADDISON - BIRD'S EYE VIEW



ADDISON - GENERAL PLAN AND AERIAL MAP OVERLAY

