



MONTOUR FALLS FLOOD DAMAGE REDUCTION PROJECT



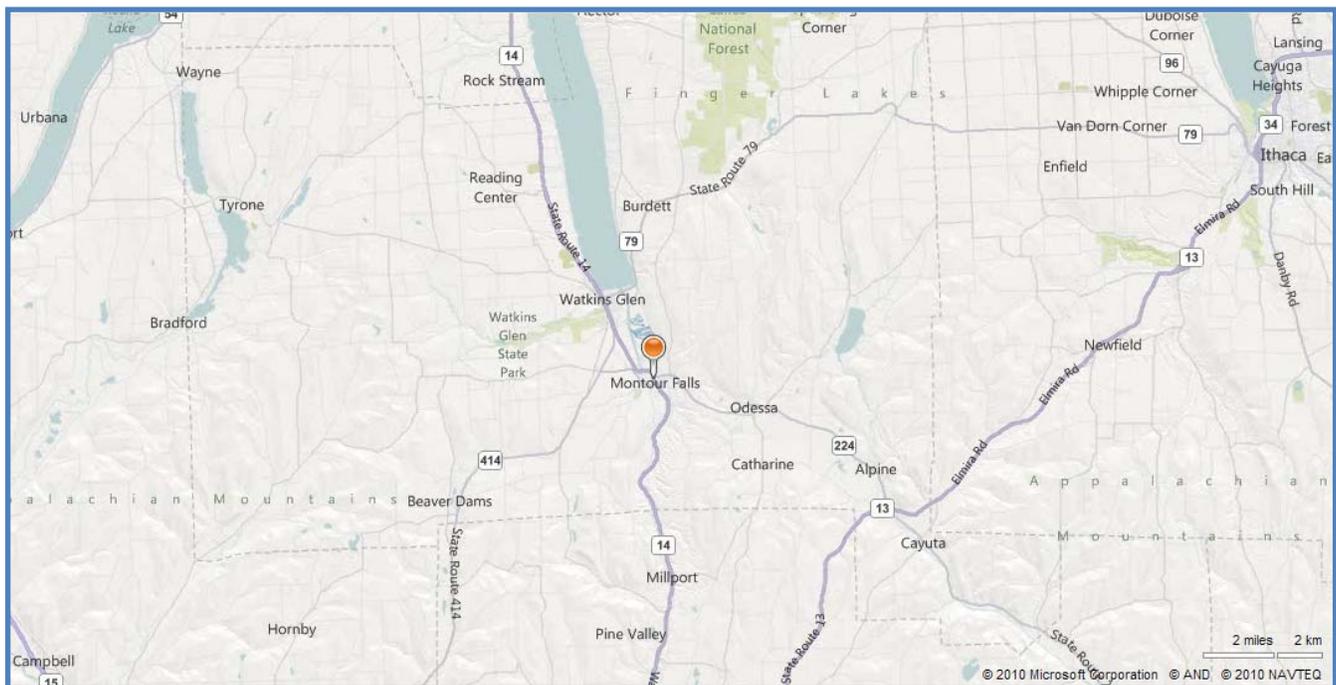
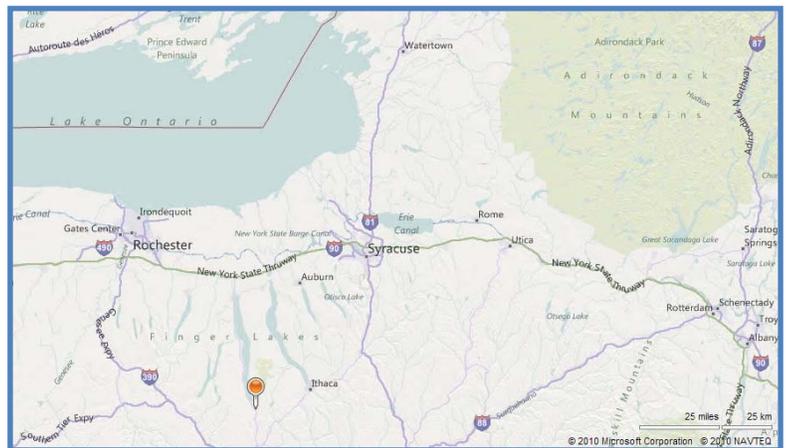
*Department of
Environmental Conservation*

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 Oswego River Basin on the Catharine and Shequaga Creeks in Montour Falls, Schuyler County, New York.



PROJECT DESCRIPTION

Catherine Creek

Catherine Creek was diverted to the east near the mouth of the Havana Glen Creek. The excavated diversion channel (about 7,160 ft) starts at the mouth of the Havana Glen Creek, crossing the existing Catlin Mill Diversion Channel and flowing towards the Barge Canal. In addition to the new diversion channel, two new highway bridges, a foot bridge, levees, and drainage structures were built.

Shequaga Creek

In addition to the constructed levees and drainage structures along the Shequaga Creek in the Village of Montour Falls, the creek was widened and deepened. A reinforced concrete conduit was constructed to increase the channels capacity. The pool at the base of Shequaga Falls was widened and deepened to create an adequate stilling basin, with reinforced concrete walls constructed to confine the water in the basin and direct flow to the conduit.

PROJECT AUTHORIZATION

The project was authorized by the Flood Control Act of 1941 (Public Law 77-228), to provide flood protection for the village of Montour Falls, NY, substantially in accordance with the recommendation of the (USACE) Chief of Engineers in House Document No. 846, 76th Congress, 3rd Session.

PROTECTION PROVIDED

STREAM	ORIGINAL CAPACITY (CFS)	DESIGN FLOOD (CFS)	LEVEE FREEBOARD OVER DESIGN FLOOD (ft)
Upper Catherine Creek	-	25,000	3
Lower Catherine Creek	3,000	35,000	3
Shequaga Creek	2,000	8,000	3

Catherine Creek

The design discharge varies from 25,000 CFS above the Havana Glen Creek to 35,000 CFS below the Catlin Mill Creek. Levees constructed along the Catherine Creek Diversion tunnel were built to contain the design discharge with a three-foot freeboard.

Shequaga Creek

The design discharge for Shequaga Creek is 8,000 CFS. Walls, levees and conduit along the improved reach of the creek were constructed to contain the design discharge with a three-foot freeboard.

CONSTRUCTION

“The project construction was completed in June 1953” This is all that was stated, inconsistently with the level of content generally provided under this section for other project summaries, and there was a lot more in the O&M Manual.

Replaced with:

“Construction of the flood protection improvements on Catharine Creek was performed in two stages.

Catharine Creek Stage I

- The first stage consisted of the excavation of a diversion channel from a point about 250 feet north of the Owego Street to a point 1,680 feet north of the Clawson Blvd. highway bridge, an overall length of about 5,850 feet.
- The construction of a levee along the left bank of the diversion channel and a ring (U-shaped) levee on the right bank at Broadway;
- The construction of drainage ditches, culverts and concrete headwalls.

This stage was performed under contract with A.S. Wikstrom, Inc. Operations commenced on August 8, 1948 and were completed on June 22, 1950.

Catharine Creek Stage II

- This final stage of excavating the diversion channel on Catharine Creek commenced about 250 feet north of the Owego Street highway bridge and thence upstream (southerly) to the mouth of Havana Glen Creek.
- A levee was constructed from the high ground along the left bank of the diversion channel to the upstream end of the project.

This was performed under contract with Lloyd S. Martin. Commenced on July 18, 1950, and completed on September 3, 1952

Shequaga Creek Channel

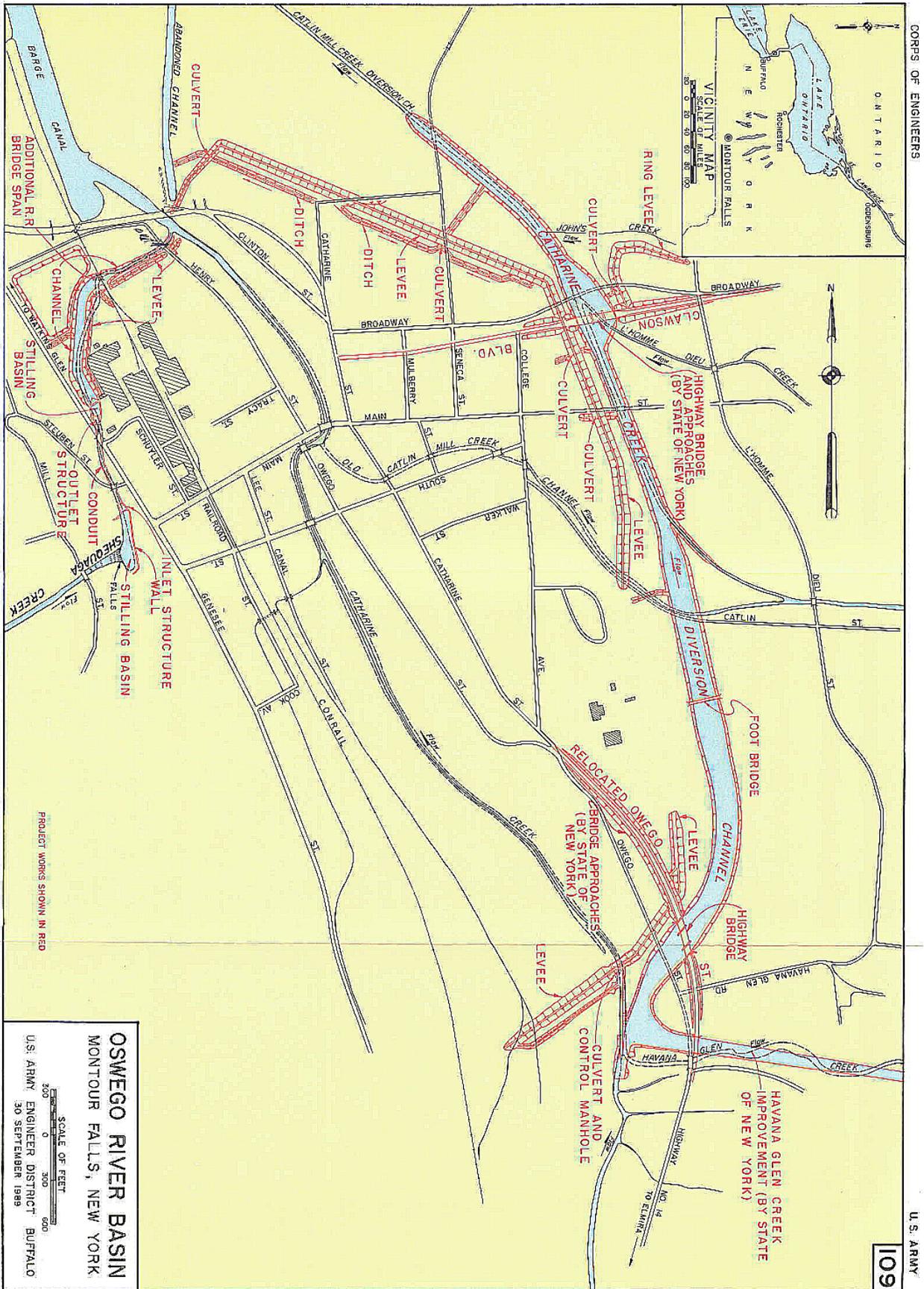
- This segment was widened and deepened.

Construction of the concrete conduit and reinforced concrete walls was performed under contract with Bero Engineering & Construction Corp. Contract operations commenced on April 4, 1950 and completed on September 3, 1952.

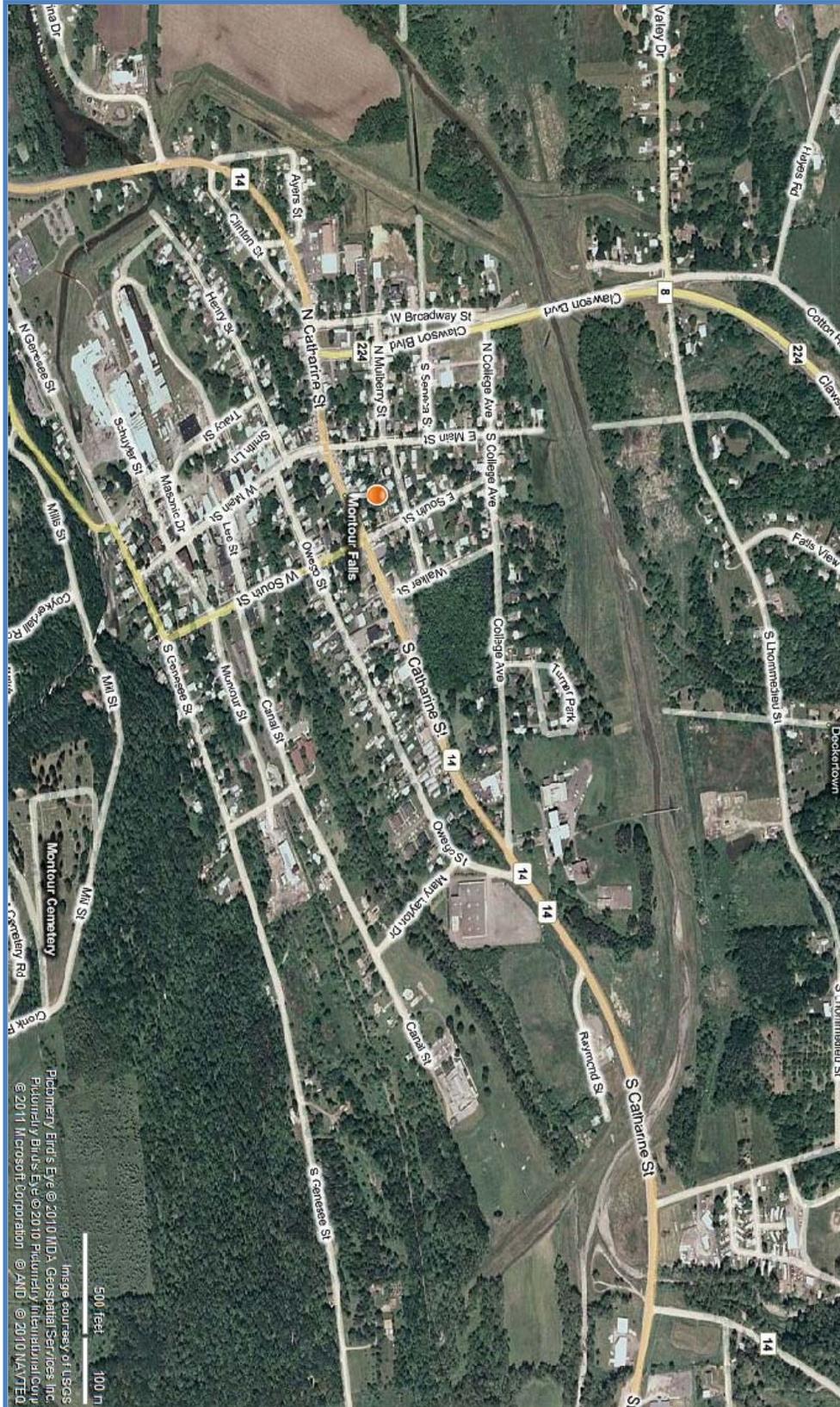
COST OF CONSTRUCTION

The total cost of the completed project was \$1,681,785. In addition, it is estimated that local interests incurred costs of \$526,900 in complying with the requirements of local cooperation.

MONTOUR FALLS - GENERAL PLAN



MONTOUR FALLS - BIRD'S EYE VIEW



MONTOUR FALLS – GENERAL MAP AND AERIAL MAP OVERLAY

