



# GANG MILLS FLOOD DAMAGE REDUCTION PROJECT



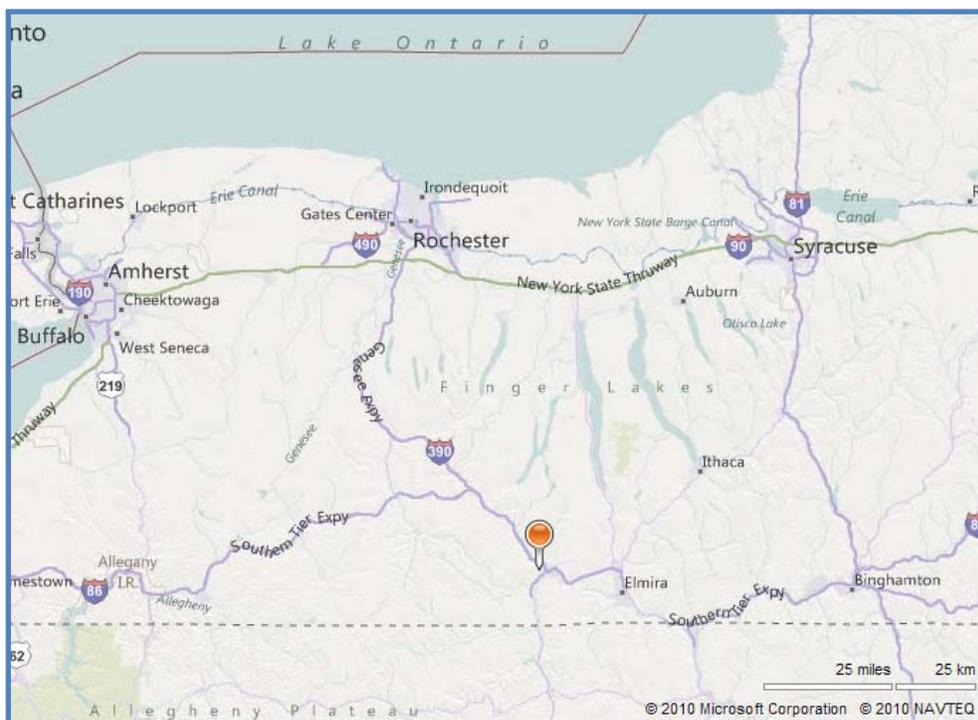
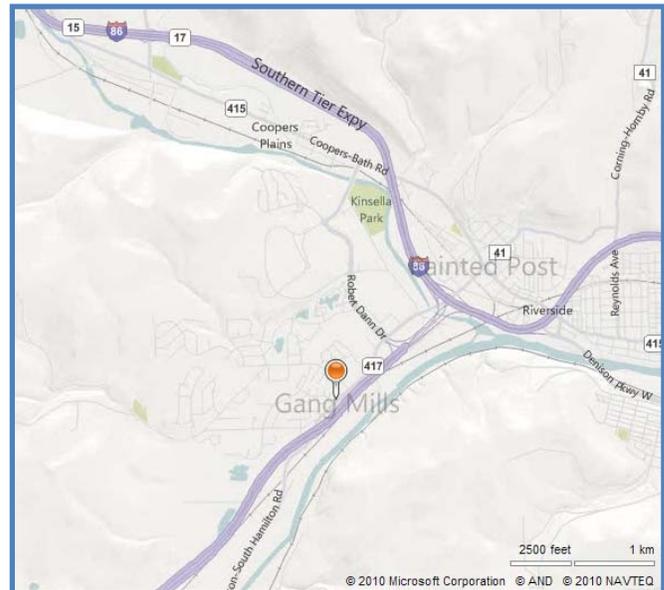
*Department of  
Environmental Conservation*

*Operated and Maintained by: The Town of Erwin*

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

## PROJECT LOCATION

The flood protection project is located in the portion of the Town of Erwin known as Gang Mills, a community located at the confluence of the Tioga and Cohocton Rivers in Steuben County, New York.



## **PROJECT DESCRIPTION**

The project facilities include the following.

- 11,900 feet of new levee along the Tioga River.
- 7,200 lineal feet of levee along the Beartown Creek diversion.
- 8,200 lineal feet of new channel for Beartown Creek.
- Twin corrugated structural steel plate pipe arch culverts for Beartown Creek under South Hamilton Street, Consolidated Rail Corporation tracks and Route 15.
- Four gate structures for drainage through levees.
- Permanent easements were acquired for ponding of interior drainage with a storage capacity of more than 500 acre feet.
- South Hamilton Street was raised to the elevation of the levee along the Beartown Creek diversion to avoid the need for a closure structure.
- Various utilities were relocated during the course of construction.

## **AUTHORIZATION**

The flood protection project at Gang Mills, New York was constructed pursuant to Chapter 1, Section 9 of the Laws of 1973 by the Department of Environmental Conservation. Prior to initiation of construction, the Town of Erwin entered into an Agreement for Local Cooperation with the State of New York.

## **PROTECTION PROVIDED**

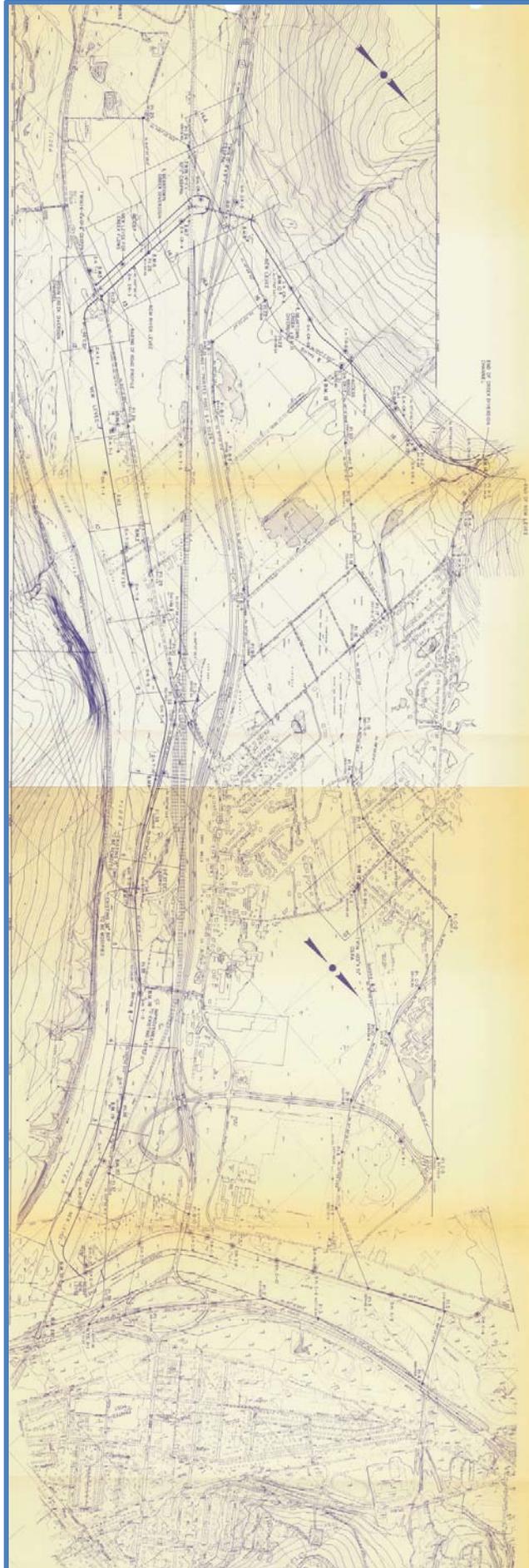
The project protects approximately 1,000 acres in the community of Gang Mills against flooding from:

- The Tioga River during a 75,000 c.f.s. flow, which is a 100-year frequency flood, after completion of Tioga-Hammond Reservoirs.
- After completion of the Cowanesque Reservoir, the protection level will increase to a 225-year flood frequency.
- Existing levees along the Cohocton River incorporated into the Gang Mills Project provide flood protection from 30,500 c.f.s., which is a 100 year flood frequency.
- Additionally, the Beartown Creek diversion will carry 1,800 c.f.s., which is a 50-year flood frequency, with 3-4 feet of freeboard.
- The project includes 500 acre feet of temporary storage capable of storing interior drainage from a 50-year storm.

## **CONSTRUCTION**

Construction of the project began during July 1976 and the project was operationally complete in December of 1977. Formal transfer of the project to the Town of Erwin took place during ceremonies in June 1978. The project was constructed by S.J. Groves and Sons Company of Minneapolis, Minnesota at a cost of more than \$3 million under the supervision of the Department of Environmental Conservation and its consulting engineers, Erdman Anthony Associates, of Rochester, New York.

# GANG MILLS - PROJECT GENERAL PLAN



# GANG MILLS – BIRD’S EYE VIEW



## GANG MILLS – GENERAL PLAN OVERLAY

