



PENN YAN FLOOD DAMAGE REDUCTION PROJECT



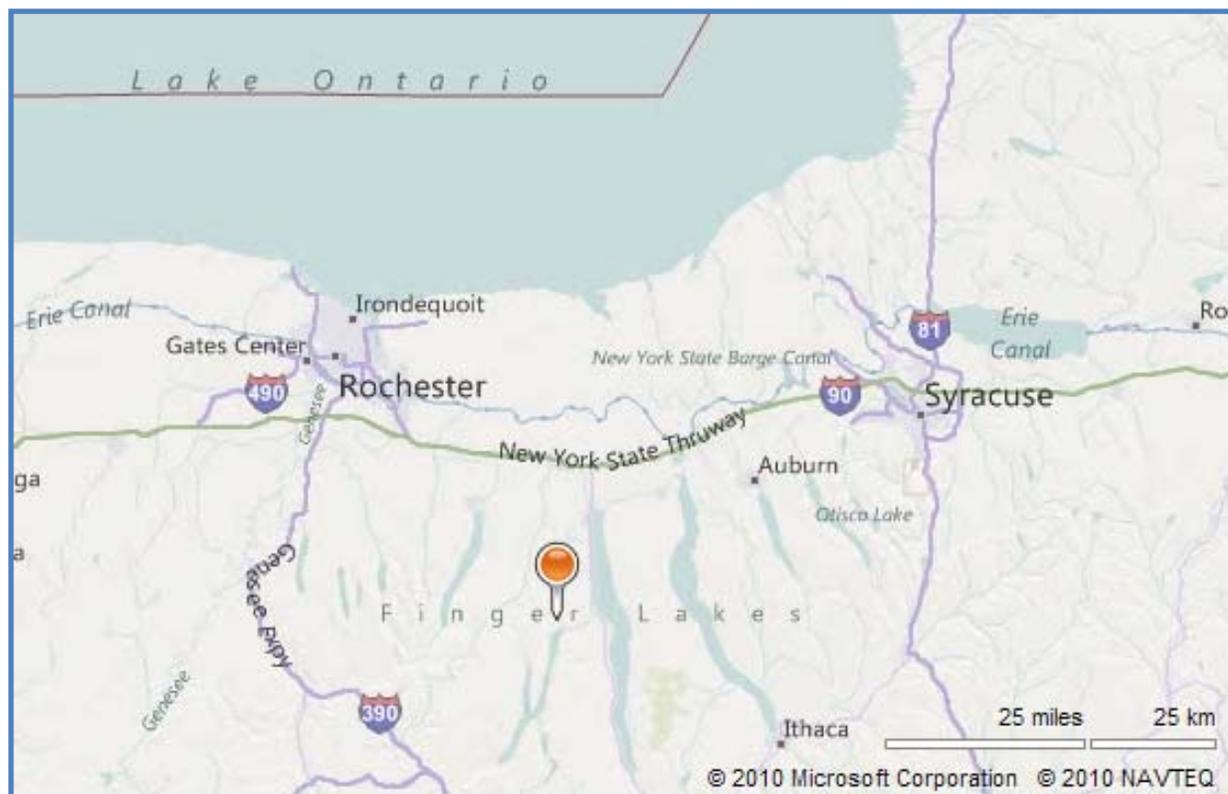
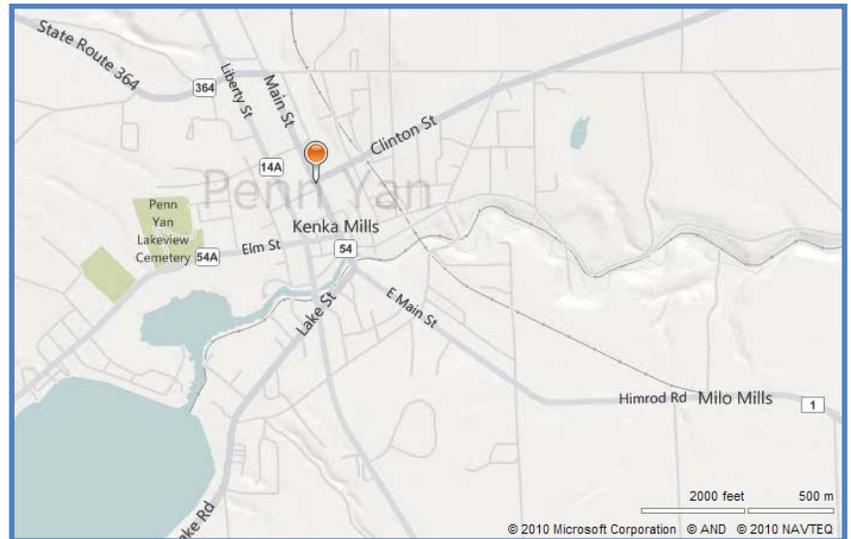
*Department of
Environmental Conservation*

Operated and Maintained by: The Village of Penn Yan

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

PROJECT LOCATION

The project is in Penn Yan, Yates County, New York, about 1,000 feet downstream of Keuka Lake, at the point where Kimball Creek enters the outlet from the right bank. The downstream limit is at the dam just upstream of the Main Street Bridge.



PROJECT DESCRIPTION

The project, which required the removal of an earth and masonry dam, consists of three aluminum sluice gates that were added to two existing gated raceway structures. This outlet structure maintains the level of Keuka Lake and facilitates high volume discharge on the order of 1,000 cubic feet per second in order to reduce the probability of lake shoreline flooding under high lake level conditions.

Other project features include:

- A grouted channel bottom that extends downstream from the control structure through the center arch section of the adjacent Main Street Bridge
- A 60-foot long concrete wall downstream of the bridge on the left side of the center arch
- A 50-foot section of channel immediately downstream from the bridge which has been stabilized with 36-inch riprap.
- Additional project work consisted also of a clearing and snagging operation along the bed and banks of Keuka Lake to create better conditions for passage of high flows and reduce the threat of ice and debris jams.
- Isolated obstructions and shoals were removed.

AUTHORIZATION

Clearing and snagging for flood control in Keuka Outlet, Penn Yan, New York, was authorized by Office of Chief of Engineers, February 1957, under Public Law No. 780 – 83rd Congress, Second Session, called the “1954 Flood Control Act.”

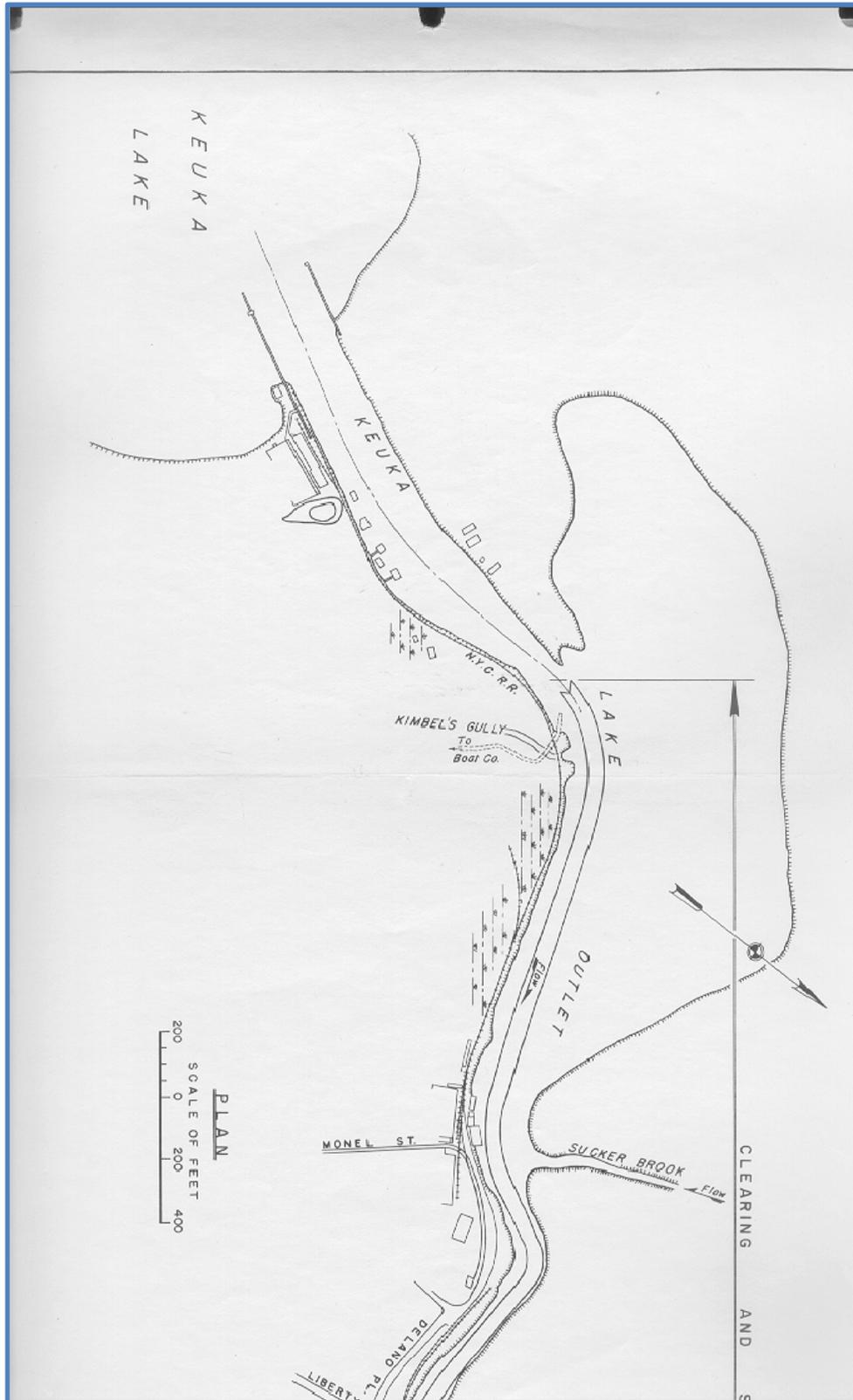
PROTECTION PROVIDED

The project was designed to reduce the threat of flooding in the village of Penn Yan resulting from ice jams caused by obstructions in the channel of Keuka Outlet.

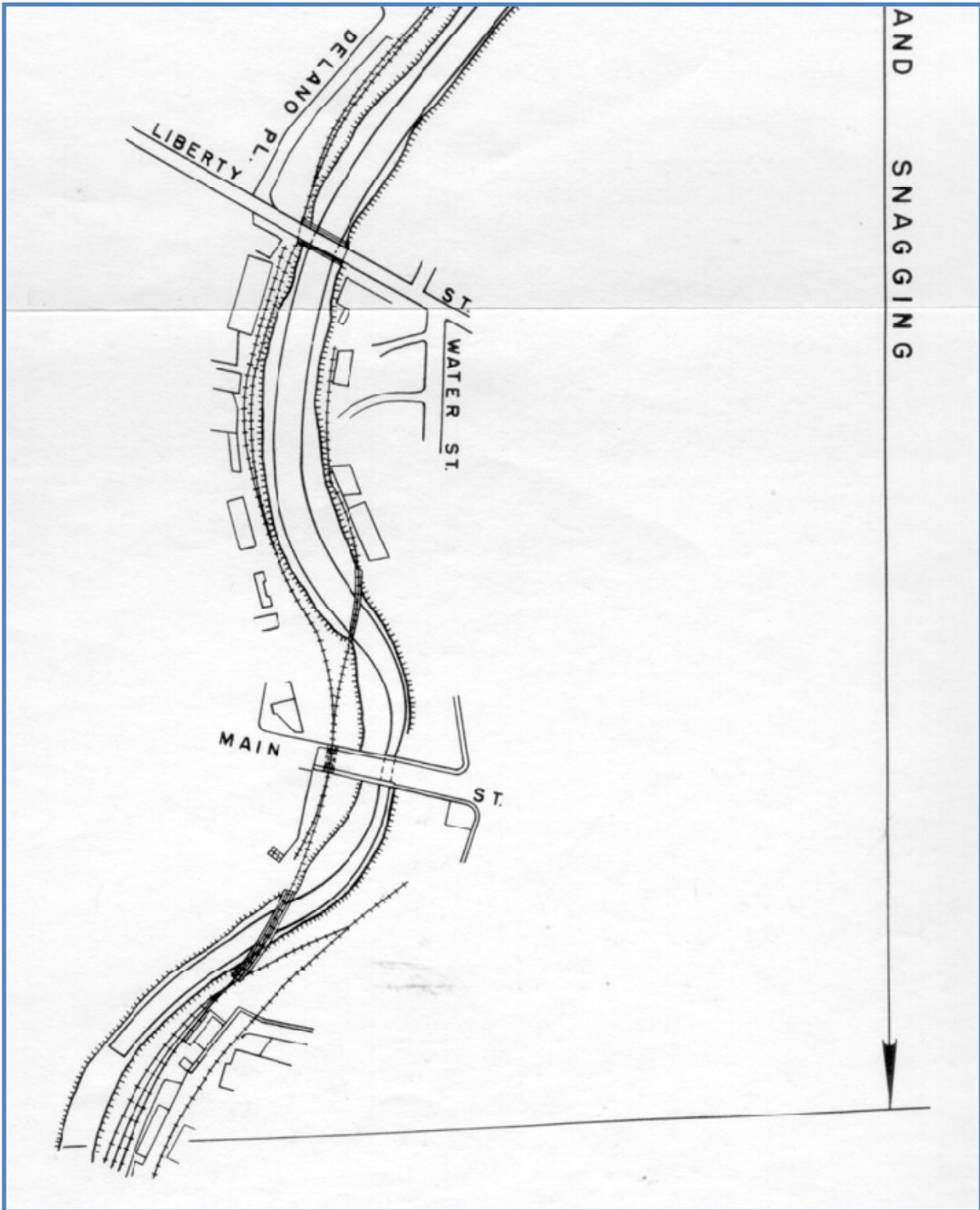
CONSTRUCTION

The clearing and snagging operation was begun October 1st, 1957, and completed March 7th, 1958. It was performed under supervision and direction of Corps of Engineers personnel by use of rented tractor and dragline equipment at a cost of approximately \$49,000. Clearing and snagging of Keuka Outlet in an area encompassing the project limits was previously accomplished in 1948, however, maintenance provisions were not included in the local assurances for that project.

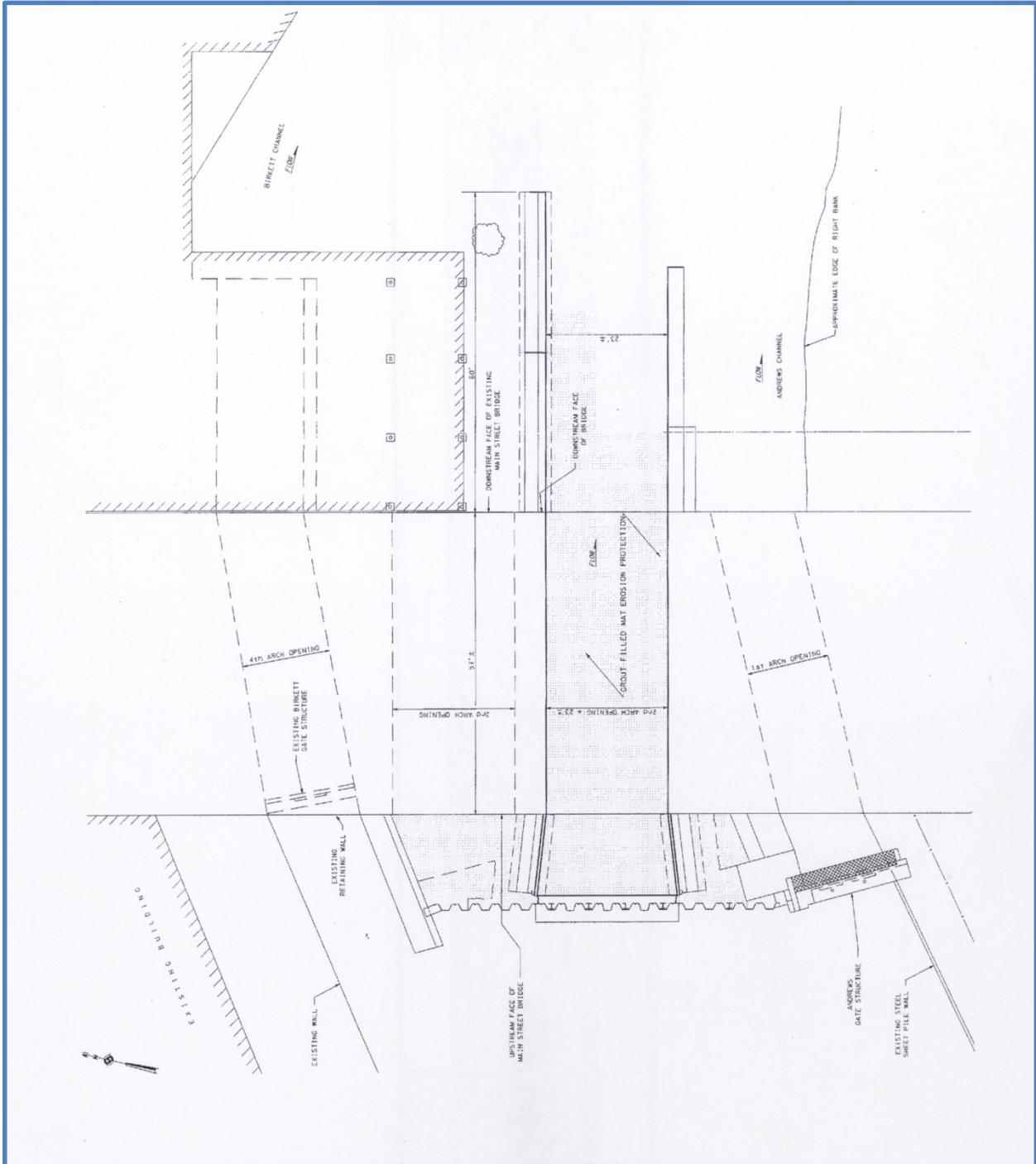
PENN YAN – GENERAL PLAN



PENN YAN – GENERAL PLAN (2)



KEUKA LAKE OUTLET - CONTROL STRUCTURE GENERAL PLAN



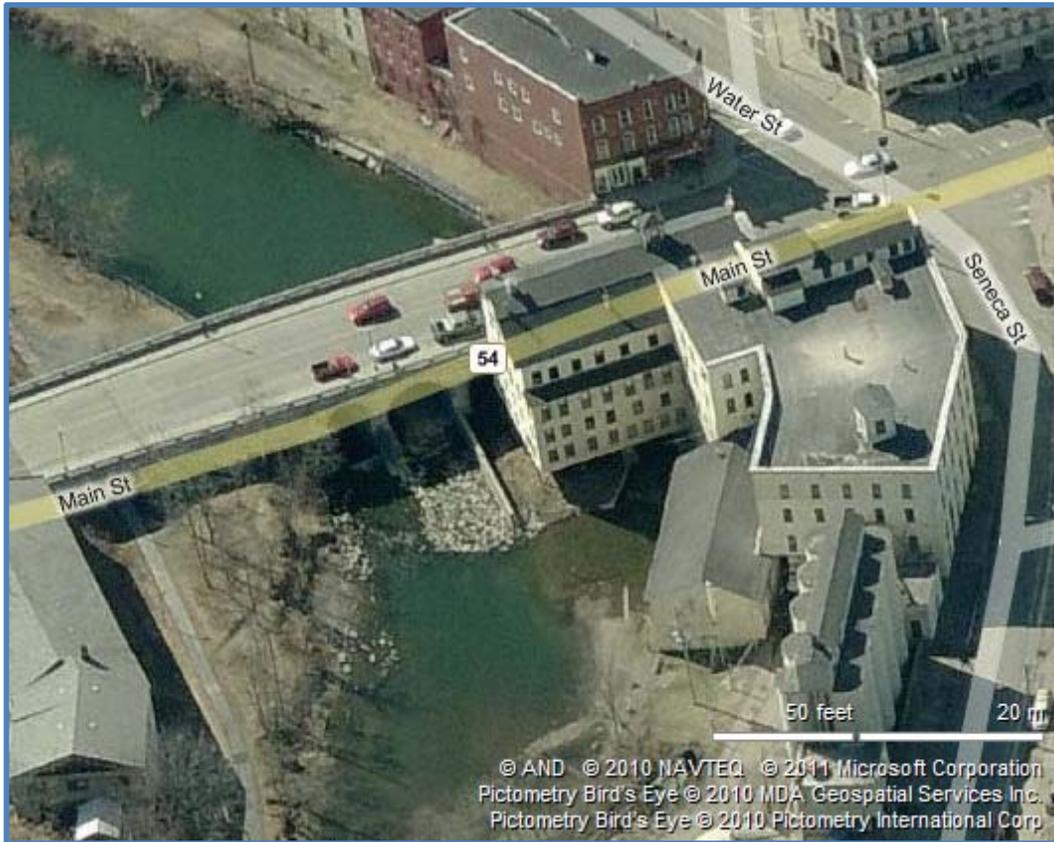
PENN YAN – BIRD’S EYE VIEW



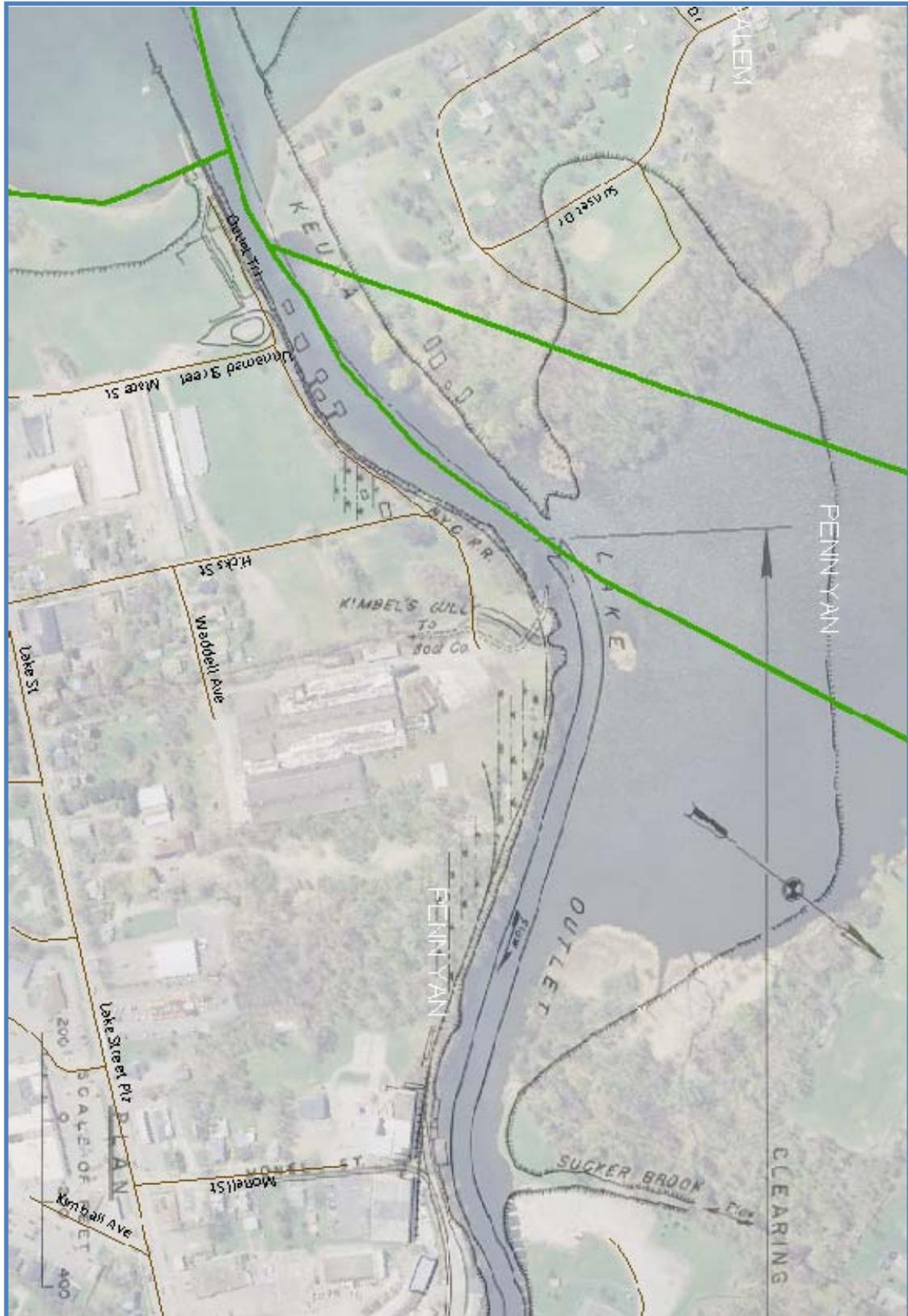
PENN YAN – BIRD’S EYE VIEW (2)



KEUKA LAKE OUTLET - BIRD'S EYE VIEW



PENN YAN – GENERAL PLAN AND AERIAL MAP OVERLAY



PENN YAN – GENERAL PLAN AND AERIAL MAP OVERLAY (2)



KEUKA LAKE OUTLET - GENERAL PLAN AND AERIAL MAP OVERLAY

