



# CHEEKTOWAGA CAYUGA CREEK FLOOD DAMAGE REDUCTION PROJECT



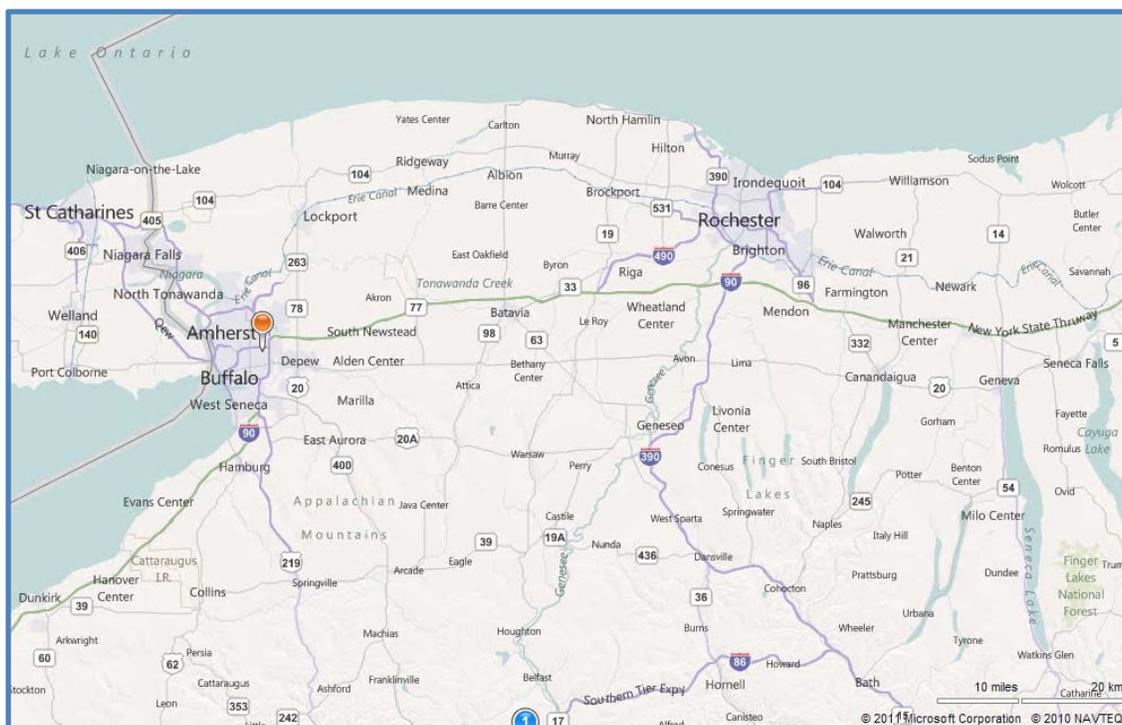
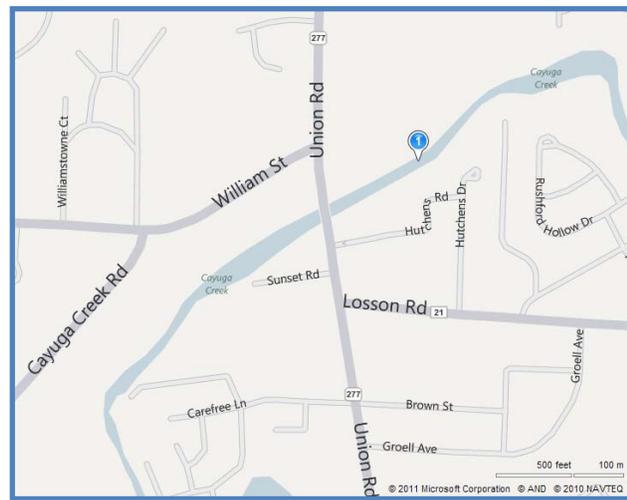
*Department of  
Environmental Conservation*

*Operated and Maintained by: The Town of Cheektowaga*

*Region 9 Counties: Allegany,  
Chautauqua, Cattaraugus, Erie,  
Niagara, Wyoming*

## PROJECT LOCATION

Cayuga Creek is located on Cayuga Creek in Cheektowaga, Erie County, New York. Project limits extend from the east edge of the Union Road Bridge to approximately 1,000 feet upstream. The drainage area at the project is 114.2 sq mi rising in a 40-mile reach, to the headwaters near Sheldon in Wyoming County



## **PROJECT DESCRIPTION**

The project consists of the following work:

- Approximately 690 feet of reinforced concrete inverted T-wall on the north (right) bank of Cayuga Creek.
- Approximately 960 feet of embankment protected with 27-inch riprap, and a concrete curb on the south bank of Cayuga Creek, extending upstream from the Union Road Bridge.
- Approximately 525 feet of transverse levee from the north bank travelling northerly across the floodplain to high ground on the north side.
- 350 feet of concrete gravity wall extending between the abandoned quarry ponds
- The installation of approximately 280 feet of 18-inch CMP culvert.
- Additionally 1,000 feet of bank clearing, mulching and seeding, demolition, and removal of buildings occurred.

## **AUTHORIZATION**

Construction of the flood protection improvements on Cayuga Creek in Cheektowaga, Erie County, New York, was approved by the Director of Civil Works, U.S. Army Corps of Engineers, on May 6<sup>th</sup>, 1980 under the special continuing flood control authority provided by Section 205 of the Flood Control Act of 1948, as amended.

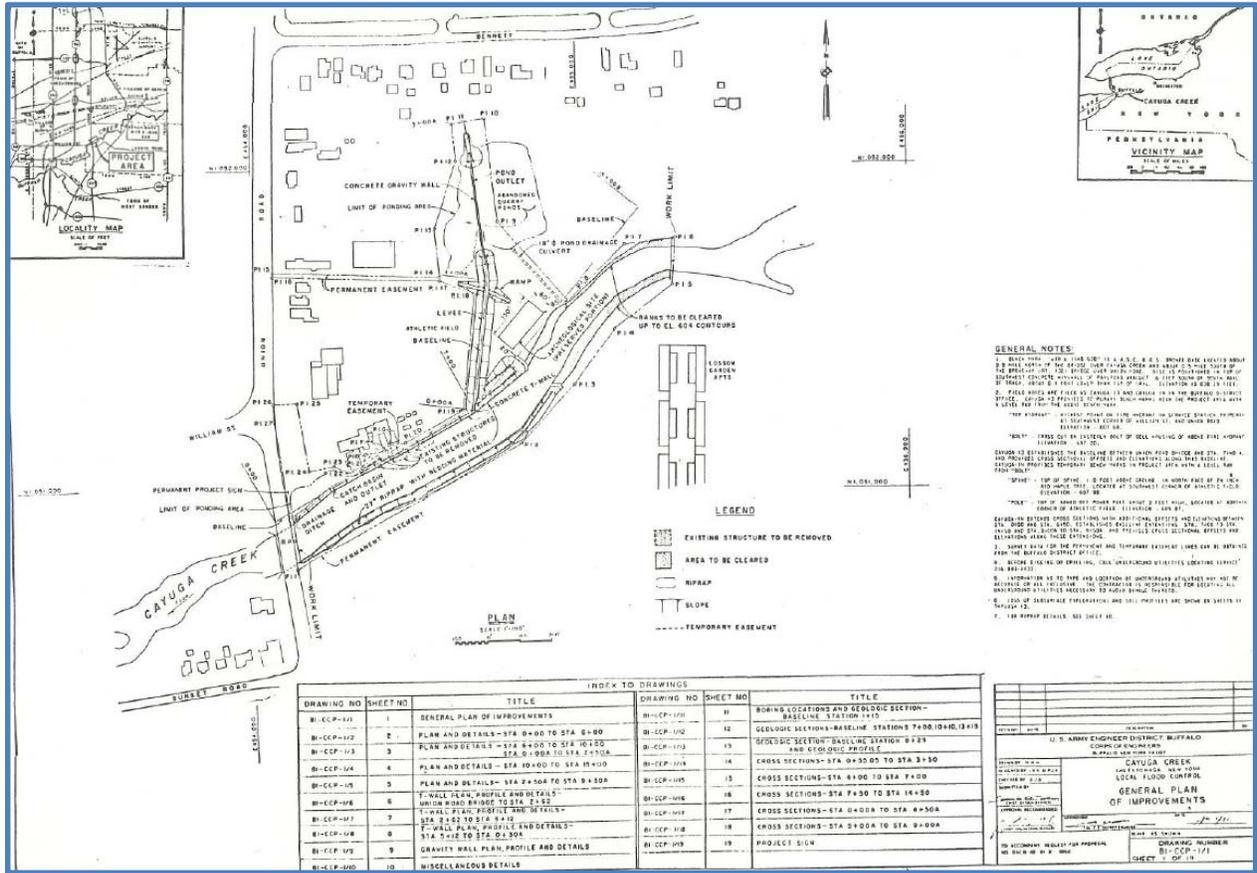
## **PROTECTION PROVIDED**

The project was designed to provide protection from floods with an average recurrence interval of 100 years, with a discharge of 14,700 cubic feet per second (cfs). Stream flow data was obtained from records of the United States Geological Survey (USGS) gages on Cayuga, Buffalo, and Cazenovia Creeks at Lancaster, Gardenville, and Ebenezer, New York respectively.

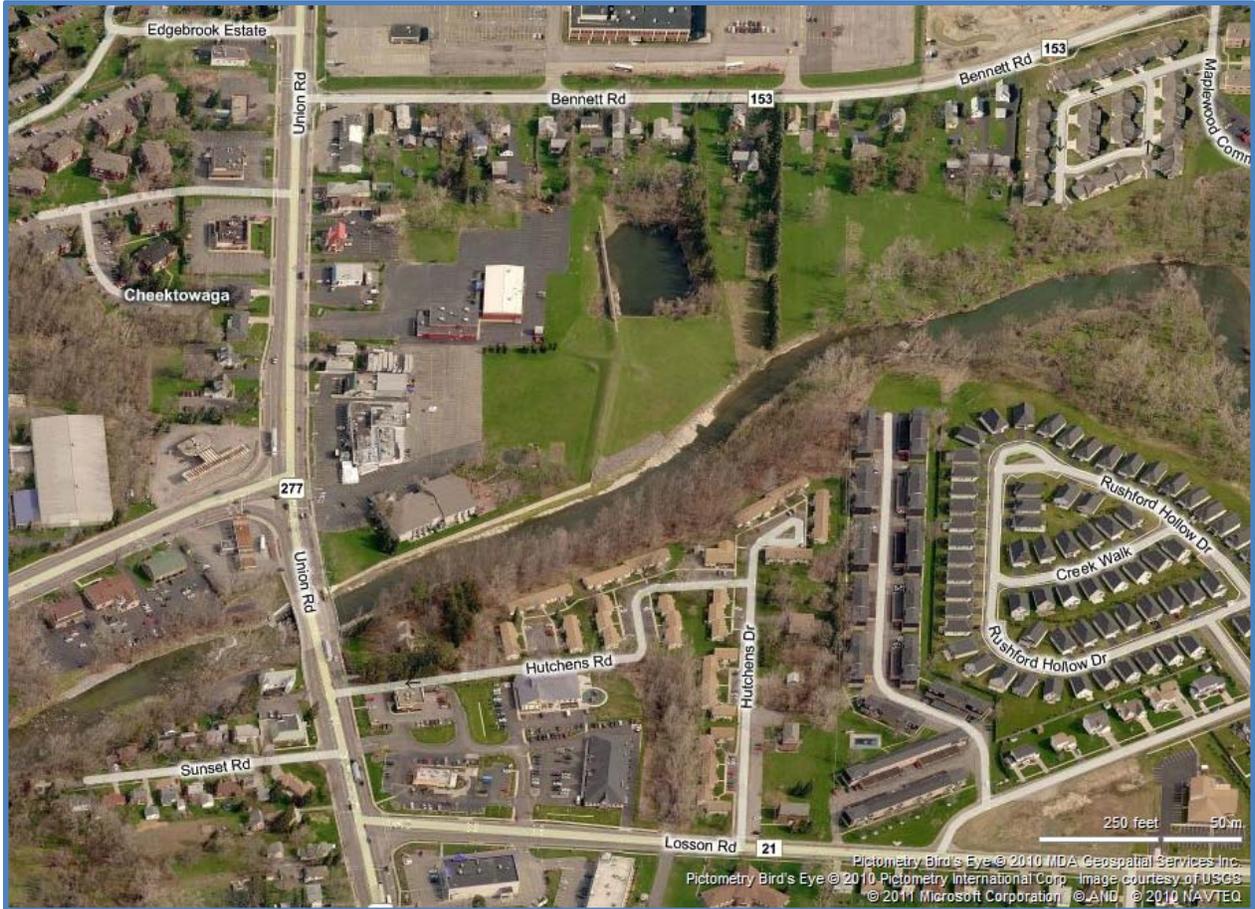
## **CONSTRUCTION**

Construction of the project was initiated by contract in October 1981 and completed in December 1982. The prime contractor was Bhandari Construction and Consultants Inc., of Syracuse, New York. The project was given its final inspection for acceptance by local interest on December 10<sup>th</sup>, 1982. The work was done under the direction of the Buffalo District Corps of Engineers under construction contract dated September 23<sup>rd</sup>, 1981. The total Federal project cost was \$1,235,195.

# CHEEKTOWAGA CAYUGA CREEK - GENERAL PLAN



## CHEEKTOWAGA CAYUGA CREEK – BIRD’S EYE VIEW



# CHEEKTOWAGA CAYUGA CREEK – GENERAL PLAN AND AERIAL MAP OVERLAY

