

Subj: **East Cazenovia Creek Debris Assessment**
Date: 2/15/2017 2:18:08 P.M. Eastern Standard Time
From:
To:

Mr Kanuth,

Based on your recent office visit and concerns about localized flooding from recent rain and snow melt events I sent out a technician to investigate the East Cazenovia stream corridor for debris jams. The attached report is the result. Unfortunately the largest jam discovered is not impacting county infrastructure therefore I do not have any funding to assist in its removal. Please know this debris jam appears to be on the Town of Aurora property. Should the town wish to remove the jam the soil and water conservation district is willing assist the town in whatever manner the town requires to mitigate localized flooding and stream erosion. I hope this assessment proves useful.

Mark C Gaston
Erie County Soil and Water Conservation District
50 Commerce Way
East Aurora, NY 14052
716.652.8480 x5

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Technical Assistance Map

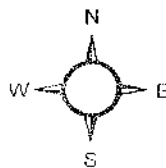


East Branch Cazenovia Creek
Debris Jams

Location: Town of Aurora

January 2017

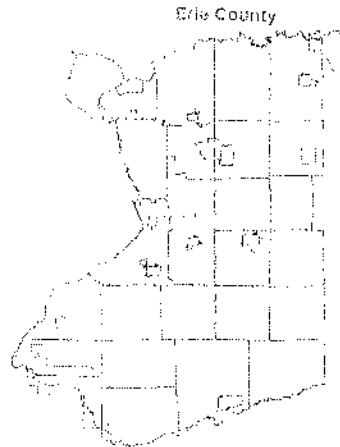
- Legend**
- (with black outline) - All other debris
 - (with grey outline) - Debris_Sit
 - (with white outline) - Minor Debris
 - (with black outline and dot) - Major Debris
 - (dashed line) - stream
 - (dotted line) - municipality parcel_03/013



0 310 620 930 1,240
Feet

Erle County Soil and Water Conservation District
USDA Natural Resources Conservation Service
East Aurora, New York

**Debris Assessment
East Branch Cazenovia Creek
Town of Aurora
January 2017**



Introduction

In response to landowner reports of localized flooding caused by debris obstructions, the Erie County Soil & Water Conservation District performed a number of spot-check debris inspections along portions of the East Branch of Cazenovia Creek in the Town of Aurora. The inspections took place on January 26th & 30th, 2017. The purpose of the inspections was to locate any debris within the stream channel that had the potential to cause localized flooding during high water events. The majority of the debris was located on Town of Aurora property within the confines of Majors Park. A small amount of debris was also located upstream near the Olean Road entrance to the Route 400 Expressway.

Access for the January 26th inspection was through Majors Park off of Olean Road. Access for the January 30th inspection was gained through roadside parking near the Olean Road entrance to the Route 400 Expressway.

The identified debris sites were classified into two categories:

Minor Debris Sites (3)

Multiple trees/debris – more than 2 medium to large limbs. Debris is located across 25-50% of the channel. Good potential and/or active snagging of debris. Active obstruction or diversion of the streamflow.

Major Debris Sites (1)

Large amounts of trees/limbs/branches of various sizes. Debris is blocking greater than 50% of the channel. Active snagging of debris with major obstruction to streamflow. Visible evidence of streamflow moving around the site with flow causing scoured/eroded banks.

Major Sites

Photo: January 26th, 2017



- Major Debris Jam located within Majors Park
- Very large debris snag with multiple limbs
- Entire channel is blocked

Photo: January 26th, 2017



Major Sites

Photo: January 26th, 2017



- Debris snag backing up ~2-3' of water
- Old metal bridge frame just downstream
- Diverted flow actively eroding streambanks

Photo: January 26th, 2017



Minor Sites

Photo: January 26th, 2017



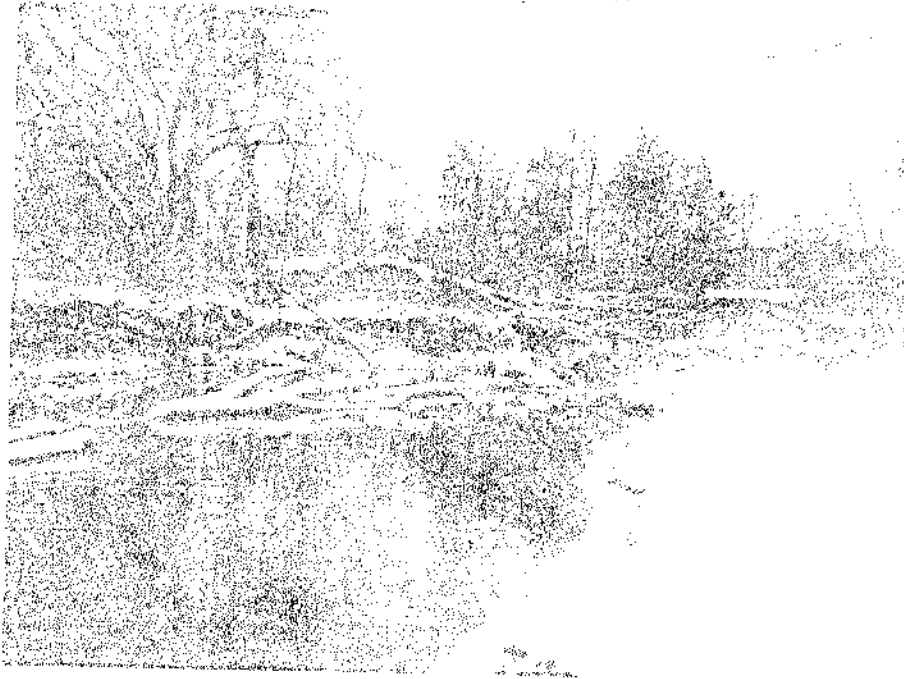
- Minor debris snags located within Majors Park
- Small to medium sized limbs snagged
- Debris blocking most of stream channel

Photo: January 26th, 2017



Minor Sites

Photo: January 30th, 2017



- Minor Debris snag located near Olean Rd entrance to the Route 400 Expressway
- Multiple medium to large trees within stream channel
- Debris not impeding flow

Photo: January 30th, 2017

