



FACT SHEET State Superfund Program

Receive Site Fact Sheets by Email. See "For More Information" to Learn How.

Site Name: Alcoa; Unnamed Tributary
DEC Site #: 645019
Address: Arconic Property
Massena, NY 13662

Have questions? See "Who to Contact" Below

Cleanup Action to Begin at State Superfund Site

Public Comment Period 6/14/2017 to 7/14/2017
NYSDEC invites you to comment about the cleanup activities about to begin at this site. You are encouraged to provide comments to the New York State DEC and New York State DOH project managers identified below under "Who to Contact."

Action is about to begin that will address the contamination related to the Alcoa Unnamed Tributary site ("site") located on Arconic (formerly Alcoa) property, Massena, St Lawrence County under New York's State Superfund Program. Please see the attached Site Location Map and Excavation Plan for the work area.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at: http://www.dec.ny.gov/cfm/external/derexternal/index.cfm?pageid=3

Highlights of the Upcoming Cleanup Activities

The goal of the cleanup action for the site is to achieve cleanup levels that protect public health and the environment. The cleanup action for the site includes: Sediment and stream bank soil that exceeds 1 part per million (ppm) PCBs will be excavated, solidified as necessary, and will be disposed of in the existing secure landfill located on Arconic property. Approximately 1030 cubic yards of sediment and soil will be removed. During the removal a Community Air Monitoring Program and Health and Safety Plan will be followed to protect both the public and workers at the site. Following the removal the site will be restored to promote reestablishment of the habitat.

Additional Details

Upstream Areas I and II of the Tributary were remediated between 1990 and 1998. Remediation of Area III was deferred, pending the outcome of biological monitoring. Biological monitoring was conducted over five sampling events from 2000 to 2013. Sediment and water samples were also collected during these events. The results indicate that PCB concentrations are elevated in fish tissue, sediment, and surface water. As a result, additional sediment sampling was performed in 2016 to fully delineate the extent of PCB contamination. Based on these results a cleanup plan has been developed to remediate sediments in the upper portion of Area III down to survey station 53 +80. Removal of sediment between station 53+80 and the Grasse River will be completed (tentatively scheduled for 2018) after additional delineation samples are collected in that area. Cleanup of the upper portion is scheduled to begin in early August with completion in early November 2017.

Next Steps

After completion of the cleanup activities, Arconic will prepare a Construction Completion Report. The Construction Completion Report will describe the cleanup activities completed and certify that

cleanup requirements have been achieved or will be achieved. The New York State Department of Environmental Conservation (NYSDEC) will keep the public informed throughout the cleanup of the site.

Background

Location: This site is located in the northeast/ eastern portions of Arconic's (formerly Alcoa, Inc.) West facility in Massena. It is surrounded mainly by the Arconic property.

Site Features: The Tributary consists of a 60-inch reinforced concrete pipe (RCP), and a section of open channel, which discharges to the Grasse River. The uppermost portion of the open channel down to Horton Road has been designated as Area I. The section from Horton Road to a point beyond NYS Route 131 has been designated Area II and the more natural, meandering section that runs to the south to Massena Center and the Grasse River has been designated Area III.

Past Use of the Site: Historically, the RCP directed storm water overflows and scrubber water from the smelting operations to the open channel. The interior surfaces of the RCP were contaminated with PCBs, PAHs, and cyanide. The bottom of the pipe was severely deteriorated and these same contaminants were found in soils beneath the pipe. Similar contamination was also present in the channel sediment and surface water. Elevated levels of PCBs were also detected in biota inhabiting the area.

In 1990, Alcoa removed 1,500 cubic yards of sediment from the first 400 feet of the channel under an Interim Remedial Measure (IRM) Consent Order. A Record of Decision (ROD) was signed March 15, 1991, which addressed additional contamination in the open channel. Sediment was excavated from the sidewalls and bottom of the channel extending to a point approximately 1,200 feet east of State Hwy 131. Sediment was removed to meet cleanup goals and the channel was restored. The ROD included a requirement for biological monitoring in the channel for a minimum of five years to evaluate the effectiveness of the remedy. Remediation of the lowermost portion of the open channel (Area III) was deferred pending results of the biological monitoring.

Measures to address the contamination in the RCP segment were incorporated into the remedial design and construction program, carried out in 1997 and 1998. The interior surfaces of the RCP were pressure washed, and contaminated soil was excavated from beneath the pipe until cleanup goals were achieved. The RCP was slip-lined, and the annular space between the pipes was grouted.

Operable Units: The site was developed into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination. Operable Unit 01 is the Remedial Program for the site including the remedial action in Areas I and II. Operable Unit 02 was developed to administratively address the investigation and remediation in Area III.

State Superfund Program: New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: <http://www.dec.ny.gov/chemical/8439.html>

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public stay informed.

Massena Public Library
Attn: Elaine Dunne-Thayer
41 Glenn Street
Massena, NY 13662
Phone: 315-769-9914
edunnethayer@ncls.org

Who to Contact

Comments and questions are always welcome and should be directed as follows:

Project Related Questions

Lincoln Fancher
Department of Environmental Conservation
Division of Environmental Remediation
317 Washington St
Watertown, NY 13601-3787
315-785-2513
lincoln.fancher@dec.ny.gov

Site-Related Health Questions

Scarlett McLaughlin
New York State Department of Health
Bureau of Environmental Exposure Investigation
Empire State Plaza - Corning Tower Rm 1787
Albany, NY 12237
518-402-7860
BEEI@health.ny.gov

We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

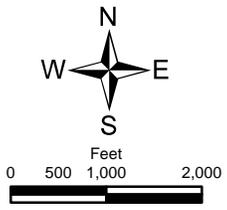
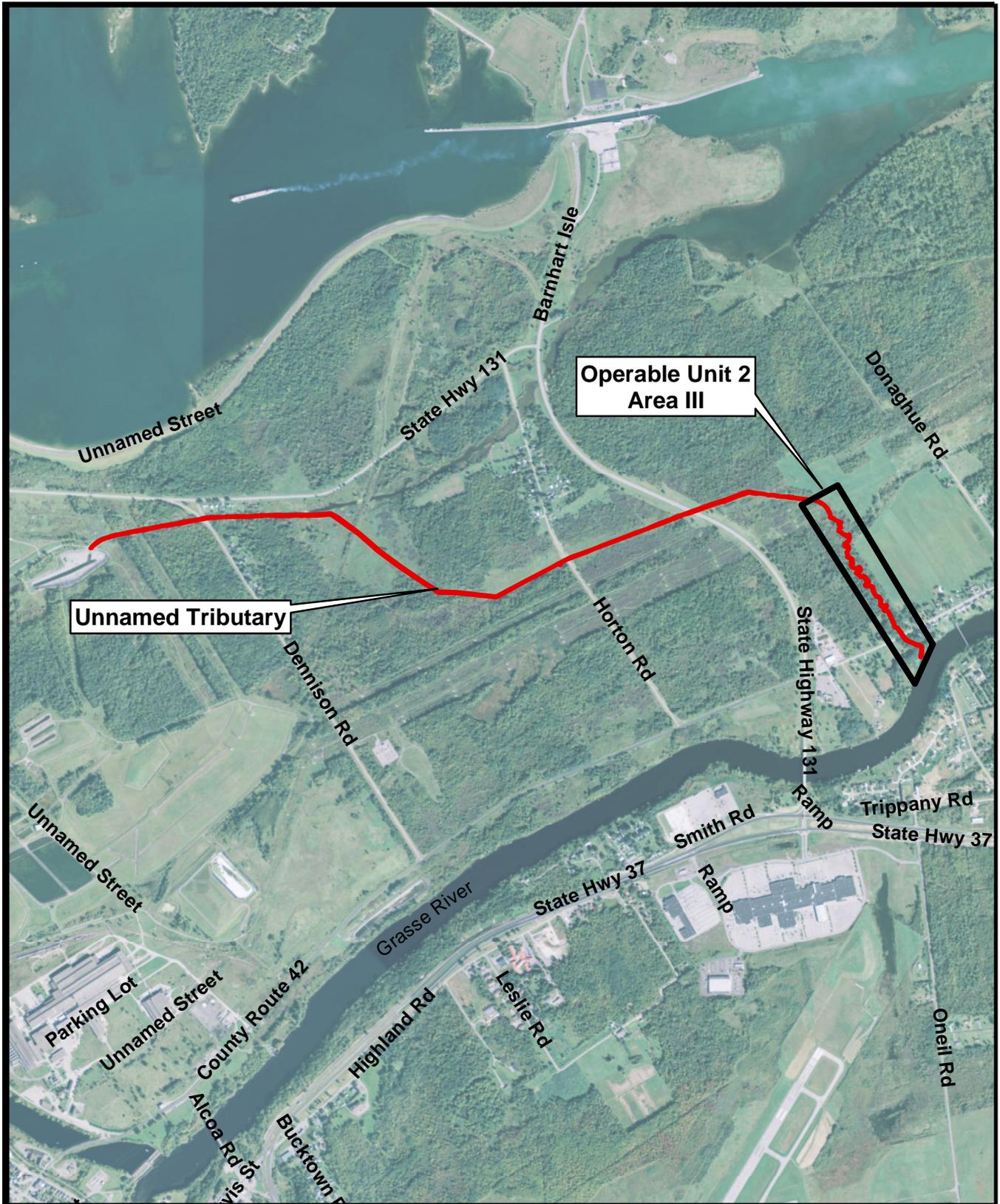
Receive Site Fact Sheets by Email

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: <http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

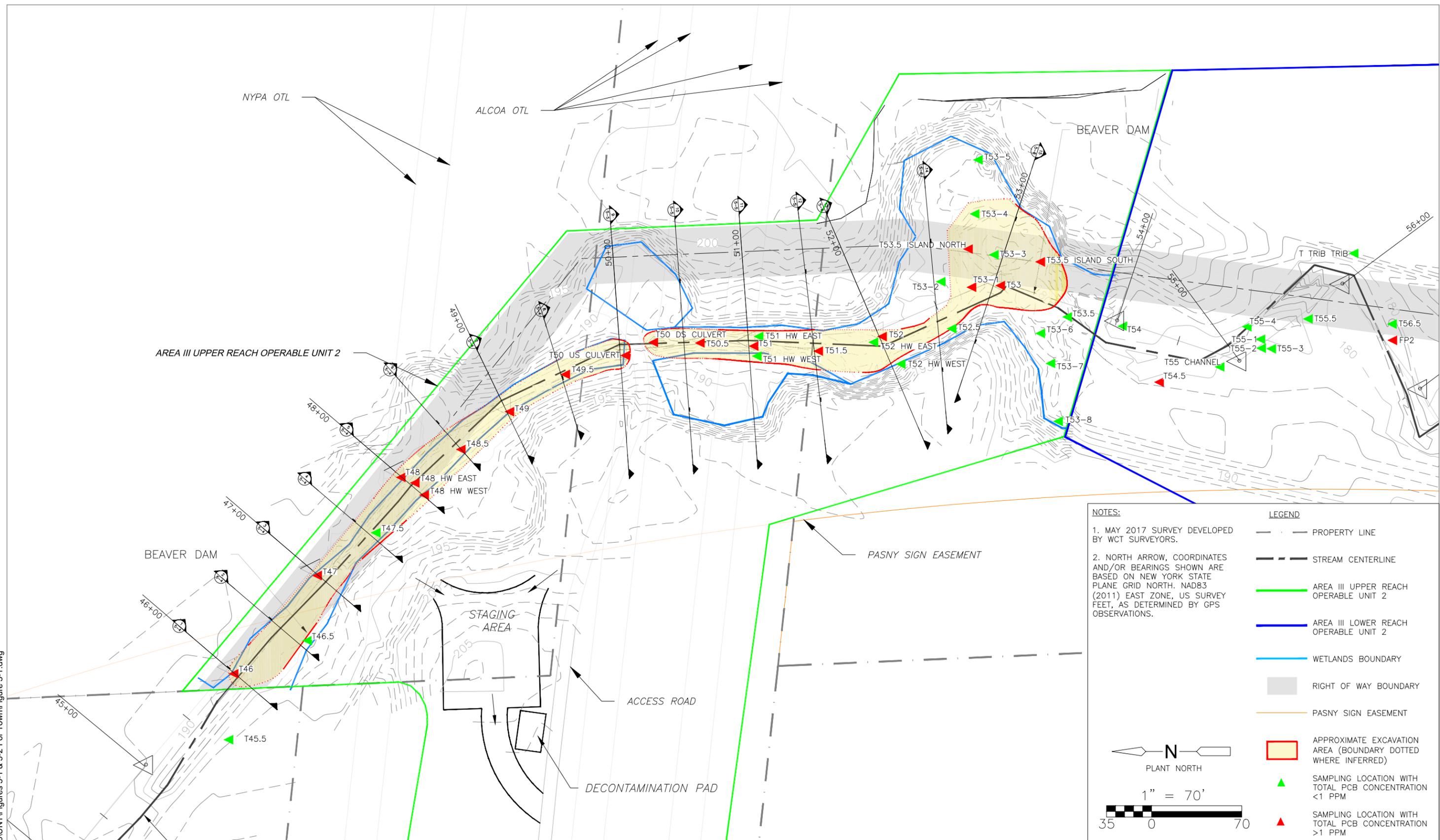
Note: Please disregard if you already have signed up and received this fact sheet electronically.



Site Location Map
 Unnamed Tributary
 Town of Massena
 St. Lawrence County
 Site No. 645019



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NOTES:

- MAY 2017 SURVEY DEVELOPED BY WCT SURVEYORS.
- NORTH ARROW, COORDINATES AND/OR BEARINGS SHOWN ARE BASED ON NEW YORK STATE PLANE GRID NORTH, NAD83 (2011) EAST ZONE, US SURVEY FEET, AS DETERMINED BY GPS OBSERVATIONS.

LEGEND

- PROPERTY LINE
- STREAM CENTERLINE
- AREA III UPPER REACH OPERABLE UNIT 2
- AREA III LOWER REACH OPERABLE UNIT 2
- WETLANDS BOUNDARY
- RIGHT OF WAY BOUNDARY
- PASNY SIGN EASEMENT
- APPROXIMATE EXCAVATION AREA (BOUNDARY DOTTED WHERE INFERRED)
- SAMPLING LOCATION WITH TOTAL PCB CONCENTRATION <math>< 1 \text{ PPM}</math>
- SAMPLING LOCATION WITH TOTAL PCB CONCENTRATION > 1 PPM

N
 PLANT NORTH
 1" = 70'
 35 0 70



Arconic - Massena, New York
**UNNAMED TRIBUTARY (UNT) AREA III
 EXCAVATION PLAN - UPPER REACH OPERABLE UNIT 2**