

**(Fact Sheet Begins Next)**

## **Act Now to Continue Receiving Information About This Site!**

DEC's Division of Environmental Remediation (DER) now distributes information about contaminated sites electronically by email.

If you would like to continue to receive information about the contaminated site featured in this fact sheet:

**You must sign up for the DER email listserv:**

[www.dec.ny.gov/chemical/61092.html](http://www.dec.ny.gov/chemical/61092.html)

DER cannot register your email address - only the email address owner can do so. If you already have signed up for the listserv for the county in which the site is located, you need do nothing.



### **Why You Should Go “Paperless”:**

- ☒ Get site information faster and share it easily;
- ☒ Receive information about all sites in a chosen county - read what you want, delete the rest;
- ☒ It helps the environment and stretches your tax dollars.

**If “paperless” is not an option for you**, call or write to the DER project manager identified in this fact sheet. Indicate that you need to receive paper copies of fact sheets through the Postal Service. Include the site name in your correspondence. The option to receive paper is available to individuals only. Groups, organizations, businesses, and government entities are assumed to have email access.

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# FACT SHEET

## Brownfield Cleanup Program

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

**Site Name:** Oil City/Carousel Center - Site 7

**DEC Site #:** C734135

**Address:** 311-71 Hiawatha Blvd. West  
Syracuse, NY 13204

Have questions?  
See  
"Who to Contact"  
Below

### Report Recommends Cleanup of Brownfield Site Contamination

The New York State Department of Environmental Conservation (NYSDEC) is reviewing the Remedial Investigation Report for the Oil City/Carousel Center - Site 7 site ("site") located at 311-71 Hiawatha Blvd. West, Syracuse, Onondaga County. Please see the map for the site location. Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information."

#### Remedial Investigation Report

NYSDEC is reviewing the "Remedial Investigation Report" that was submitted. The report describes the results of the site investigation and recommends development of a remedy to address the contamination that was found.

Based on the findings of the investigation, NYSDEC, in consultation with the New York State Department of Health (NYSDOH), has determined that the site no longer poses a significant threat to public health or the environment.

#### Highlights of the Remedial Investigation Report

Based on investigations conducted to date, the primary contaminants of concern at the site are petroleum-related volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals.

Soil - VOC compounds that exceed Restricted Residential Soil Cleanup Objectives (SCOs) include benzene, ethylbenzene, 1,2,4-trimethylbenzene (TMB) and 1,3,5-TMB. SVOC compounds that exceed Restricted Residential SCOs include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and phenanthrene. Metals that exceed commercial SCOs include arsenic, cadmium, copper, mercury, and zinc. The majority of SCO exceedance occur on the eastern portion of the Former SUN-1 parcel (see site description below) at depths ranging from 4 to approximately 11 feet below ground surface. Areas of grossly contaminated petroleum impacted soil are also present on the SUN-1 parcel. Off-site migration of contaminants has not significantly impacted off-site soil quality.

**Groundwater** - Groundwater beneath the site is predominantly contaminated with petroleum-related VOC compounds. VOC compounds that exceed NYS regulatory standards include benzene, ethylbenzene, butylbenzenes, propylbenzenes, trimethylbenzenes, toluene, xylenes, and naphthalene. VOCs were exceeded in 11 of the 18 onsite wells. Cadmium, lead, and zinc were the only metal compounds that exceeded regulatory values in one well located on the northern portion of the SUN-1 parcel. Petroleum odor was noted in two monitoring wells located on the northern portion of SUN-1. Contaminated groundwater migrates south offsite onto adjacent BCP Site 6 (C734134).

**Soil Vapor** - there were 26 VOC compounds, the majority of which were petroleum-related, detected in the six soil vapor points installed on the SUN-1 parcel. Benzene was detected in all six soil vapor points at a maximum concentration of 690 ug/m<sup>3</sup>.

**Special Resources Impacted/Threatened:**

Drinking water in the area of the site is provided via a municipal treatment facility. The site is located in a predominately commercial/industrial area with no significant impact to fish or wildlife.

**Next Steps**

NYSDEC will complete its review, make any necessary revisions and, if appropriate, approve the investigation report. The approved report will be made available to the public (see "Where to Find Information" below). A cleanup plan, called a "Remedial Work Plan" will then be developed. This plan describes how contamination will be addressed, with NYSDEC and NYSDOH overseeing the work. NYSDEC will present the draft cleanup plan to the public for its review and comment during a 45-day comment period.

NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

**Background**

**Location:** Destiny USA Brownfield Cleanup Program (BCP) Site 7 is located in an urban area of Onondaga County at 311-71 West Hiawatha Boulevard in the City of Syracuse. The site occupies an area of approximately 27 acres in the eastern portion of the lands generally referred to as "Oil City", south of Hiawatha Boulevard. Site 7 is located between Solar Street and RT 81 and is bounded to the northwest by Hiawatha Blvd and to southeast by BCP Site 9 (C734137). The site is comprised of three parcels formerly owned by: Sunoco (SUN-1), Atlantic Oil (SUN-2), and Alaskan Oil (Alaskan-22). Site 7 is located within the overall boundaries of the Destiny BCP Project Area which is generally bounded by: Interstate 81 to the north and northeast; Onondaga Lake to the north and northwest; the NYS Barge Canal to the west and southwest; and Bear Street to the south and southeast. The Destiny BCP Project Area consists of eight additional contiguous BCP sites.

**Site Features:** The site currently consist of approximately 937,000 square-feet of paved auxiliary parking lots for the Destiny USA mall and expansion (BCP Site No. C734104). The site contains two stormwater collection basins with several covered shuttle bus canopies. There are no existing buildings on the site.

**Current Zoning/Use:** The site is currently inactive and is zoned for Class B industrial use by the City of Syracuse. Land uses surrounding the site generally consist of commercial properties,

with the Destiny USA mall complex located across Hiawatha Blvd to the west and Destiny BCP Site C734134 (Site 6) located across Solar Street to the south. The Onondaga County Metropolitan Sewage Treatment Plant is located across the Barge Canal to the southwest.

#### Historical Uses:

Since 2008, Site 7 has been used as a group of surface parking lots and associated driveway areas for Carousel Center. Prior to that a portion of the properties were used as oil storage tank farms for the following oil companies: Sunoco, Atlantic, and Alaskan. Prior uses that appear to have led to site contamination include: oil storage in above ground storage tanks and below ground pipelines.

Following the removal of numerous aboveground petroleum storage tanks (circa 1989-2005), the original property owners conducted property-specific investigations and remedial actions. The investigations revealed contamination primarily consisting of petroleum volatile and semi-volatile organic compounds. The remediation efforts generally included property-specific excavations at depths ranging from 2 to 8 feet below grade. Approximately 13,000 cubic

yards (CYs) of soil were excavated from the Sunoco and Atlantic parcels. These soils were stockpiled on NYSDEC BCP Site C734136 (Site 9) where they were subsequently partially treated by

bioremediation (the treatment of contaminated soil with microorganisms that breakdown the contaminants). Other treatment technologies that were implemented across the site included the injection of air and/or ozone into the subsurface to break down the organic contaminants in soil and groundwater. In 2008, Destiny expanded the groundwater monitoring system, and groundwater monitoring continues to date.

**Site Geology:** Surface deposits at Site 6 consist of up to 35 feet of various manmade fill materials consisting of silt, sand, and gravel intermixed with C&D debris, scrap metal, wood, brick, etc.; and in some locations, Solvay Process Waste (calcium- rich deposits). Underlying the fill materials are the truly “native” soil or unconsolidated deposits that were present at and beneath the ground surface prior to development of the area. These included salt marsh deposits, including marl, shells, and peat; Deltaic sand and gravel deposits exceeding 100 feet in thickness; Lacustrine (Lake) fine-grained silt and clay deposits; glacial outwash sand and gravel deposits that vary in thickness from less than 5 feet to more than 130 feet; and a relatively thin glacial till deposit consisting of silt, sand, gravel, and cobbles. Bedrock below the site consists of aged weathered shale and is located more than 200 feet below ground surface.

Groundwater beneath the site is generally shallow, encountered at depths of 1.5 to 7 feet, and flows in a southwesterly direction towards the NYS Barge Canal. The Barge Canal flows into Onondaga Lake approximately 900 feet downgradient. Groundwater mounds have been identified on the western portion of the Sun 1 parcel.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/external/derexternal/haz/details.cfm?pageid=3&progno=C734135>

**Brownfield Cleanup Program:** New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses may include recreation, housing, business or other uses.

A **brownfield** is any real property that is difficult to reuse or redevelop because of the presence or potential presence of contamination.

For more information about the BCP, visit: <http://www.dec.ny.gov/chemical/8450.html>

## FOR MORE INFORMATION

### Where to Find Information

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

Robert P. Kinchen Central Library  
The Galleries of Syracuse  
Syracuse, NY 13204-2494  
phone: 315-435-1900  
(reference@onlib.org)

### Who to Contact

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

#### Project Related Questions

Karen Cahill  
Department of Environmental Conservation  
Division of Environmental Remediation  
615 Erie Blvd W  
Syracuse, NY 13204  
315-426-7432  
karen.cahill@dec.ny.gov

#### Site-Related Health Questions

Mark Sergott  
New York State Department of Health  
Bureau of Environmental Exposure Investigation  
Empire State Plaza, Corning Tower Room 1787  
Albany, NY 12237  
800-458-1158 #6  
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

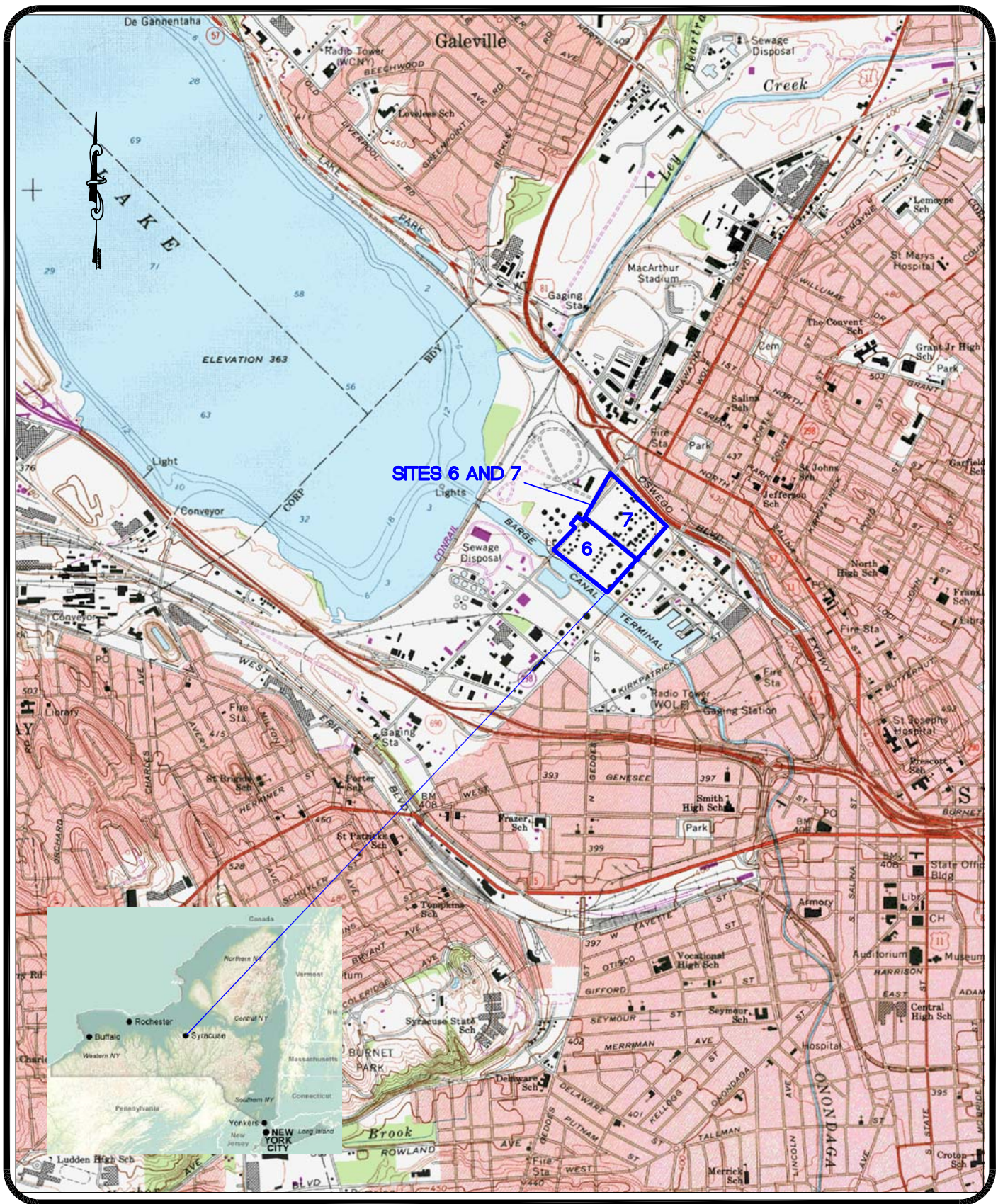
Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page: <http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better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





SPECTRA ENVIRONMENTAL GROUP, INC.  
19 British American Blvd  
Latham, NEW YORK 12120

## DESTINY USA SITE LOCATION MAP

ONONDAGA COUNTY

NEW YORK

PROJ. No.: 12128

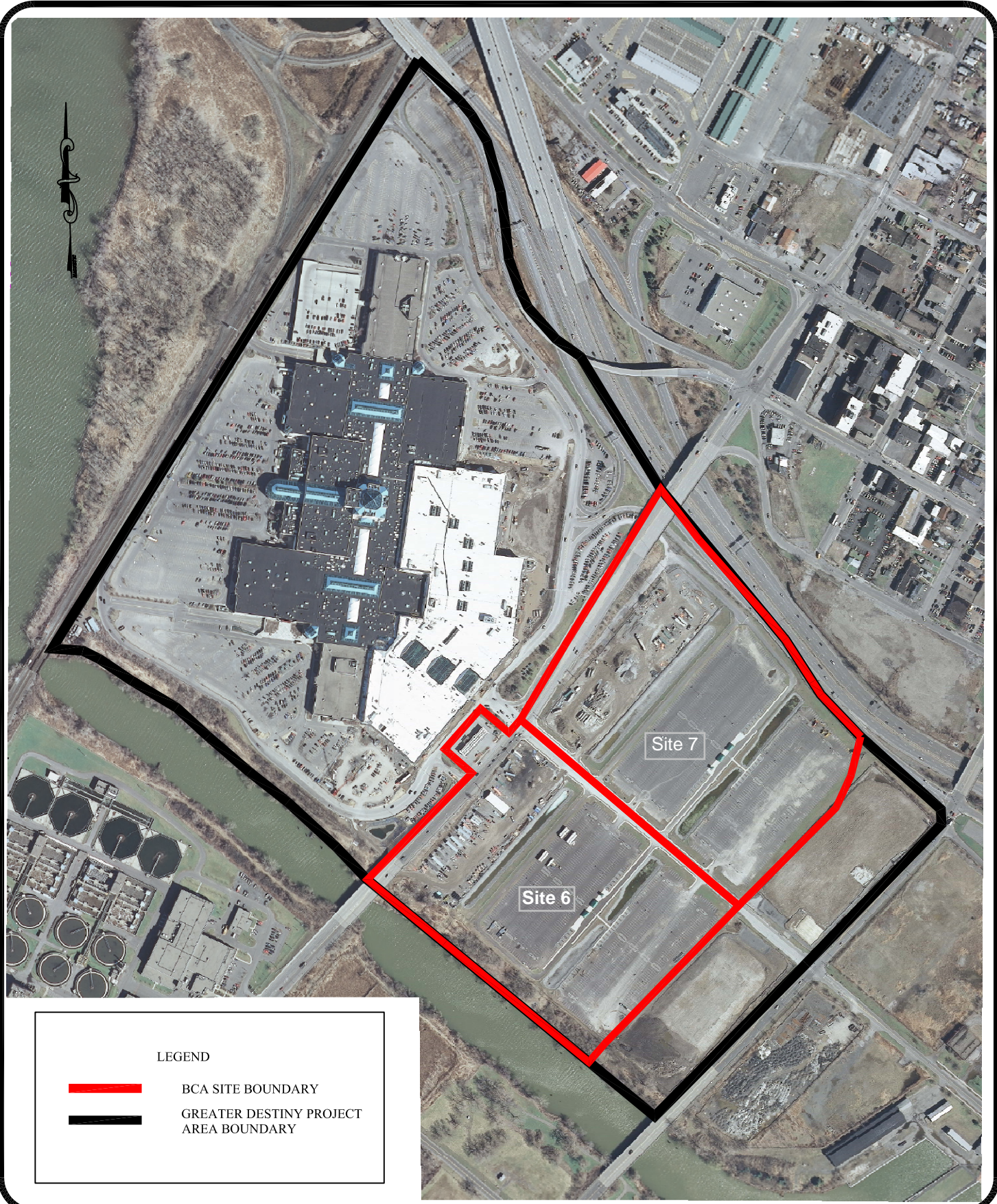
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SCALE: NOT TO SCALE

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FIGURE 2





LEGEND



BCA SITE BOUNDARY



GREATER DESTINY PROJECT  
AREA BOUNDARY



SPECTRA ENVIRONMENTAL GROUP, INC.  
19 British American Blvd  
Latham, New York 12110

SITES 6 AND 7  
2009 AERIAL PHOTOGRAPH  
SHOWING DESTINY PROJECT AREA

CITY OF SYRACUSE

ONONDAGA CO., N.Y.

PROJ. No.: 12128

DATE: 11/05/12

SCALE: NOT TO SCALE

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FIGURE 1