

## INACTIVE LANDFILL INITIATIVE

## SITE RECON REPORT

## LOCATION

## CONTACT INFORMATION

## SITE INFORMATION

|                                     |                                 |                            |  |                      |                                |                              |            |
|-------------------------------------|---------------------------------|----------------------------|--|----------------------|--------------------------------|------------------------------|------------|
| <b>Site Name:</b>                   | Ischua Landfill (City of Olean) | <b>Inspector(s)</b>        | R. Piurek (Parsons), Steven McDonnell (NYSDEC) | <b>Well(s)</b>       | Yes                            | <b>ACCESS ID/ SWID #</b>     | 9073/05S20 |
| <b>Address</b>                      | 5420 Airport Road, Olean, NY    | <b>NYSDEC DMM Manager</b>  | Steven McDonnell                               | <b>Seeps</b>         | Yes, see fig. below            | <b>Inactive Register #</b>   | N/A        |
| <b>County</b>                       | Cattaraugus                     | <b>Site Contact Name</b>   | Robert Ring                                    | <b>Exposed Waste</b> | No                             | <b>DER Class</b>             | N/A        |
| <b>Decimal (Lat) Degrees (Long)</b> | 42.248377, -78.365391           | <b>Site Contact Number</b> | 716-376-5650                                   | <b>Waste Type</b>    | Industrial Waste, Ash, Unknown | <b>Approximate Fill Area</b> | 8 acres    |

## ADDITIONAL INFORMATION

|               |   |                       |    |                       |                         |                           |              |
|---------------|---|-----------------------|----|-----------------------|-------------------------|---------------------------|--------------|
| <b>Access</b> | Access gate on south side of Yankee Road, approximately 0.25 miles east of intersection with Airport Road. Site address 5420 Airport Road, Olean, NY (airport address). | <b>Cap Erosion</b>    | No | <b>Cap Vegetation</b> | Soil, grass, vegetation | <b>Approximate Slopes</b> | 0-4% or >33% |
|               |   | <b>Cap Settlement</b> | No |                       |                         |                           |              |

## Regional Description

The Ischua Landfill is located at 5420 Airport Road in Olean, New York. The landfill is just north of the Cattaraugus County Olean Airport runway, and access to the site is from a gated access road on the south side of Yankee Road, approximately 0.25 miles east of the intersection with Airport Road. The site is owned by the City of Olean, and access was provided by Robert Ring, Director of Public Works for the City of Olean. The site is surrounded by private residences and forested areas to the north, the airport runway to the south, and forested areas to the east and west.

## Landfill Description

There are two landfill areas on the site. Both landfills are covered by soils, grass, and vegetation, and are generally sloped at greater than 33% around the perimeter. Historically, the site collected industrial waste, ash, and unknown refuse starting around 1912 and stopped in the mid-1990s. A 1999 investigation identified contamination at the site and

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recommended additional investigations. A 2009 investigation recommended test pits and well installation at areas up- and downgradient. A 2013 published investigation recommended remediation but did not specify what remedial actions should be done. Sampling results do not indicate the presence of hazardous waste but do indicate that contaminants are migrating away from the landfill sites in surrounding surface water and shallow groundwater, at low and non-hazardous concentrations. Historically, the landfills have soil samples that contain metals and organics above guidance levels, surface water with concentrations of phenolics and aluminum, lead, and sodium above standards, and groundwater concentrations exceeding standards for phenolics, iron, lead, manganese, sodium, magnesium and chloride.

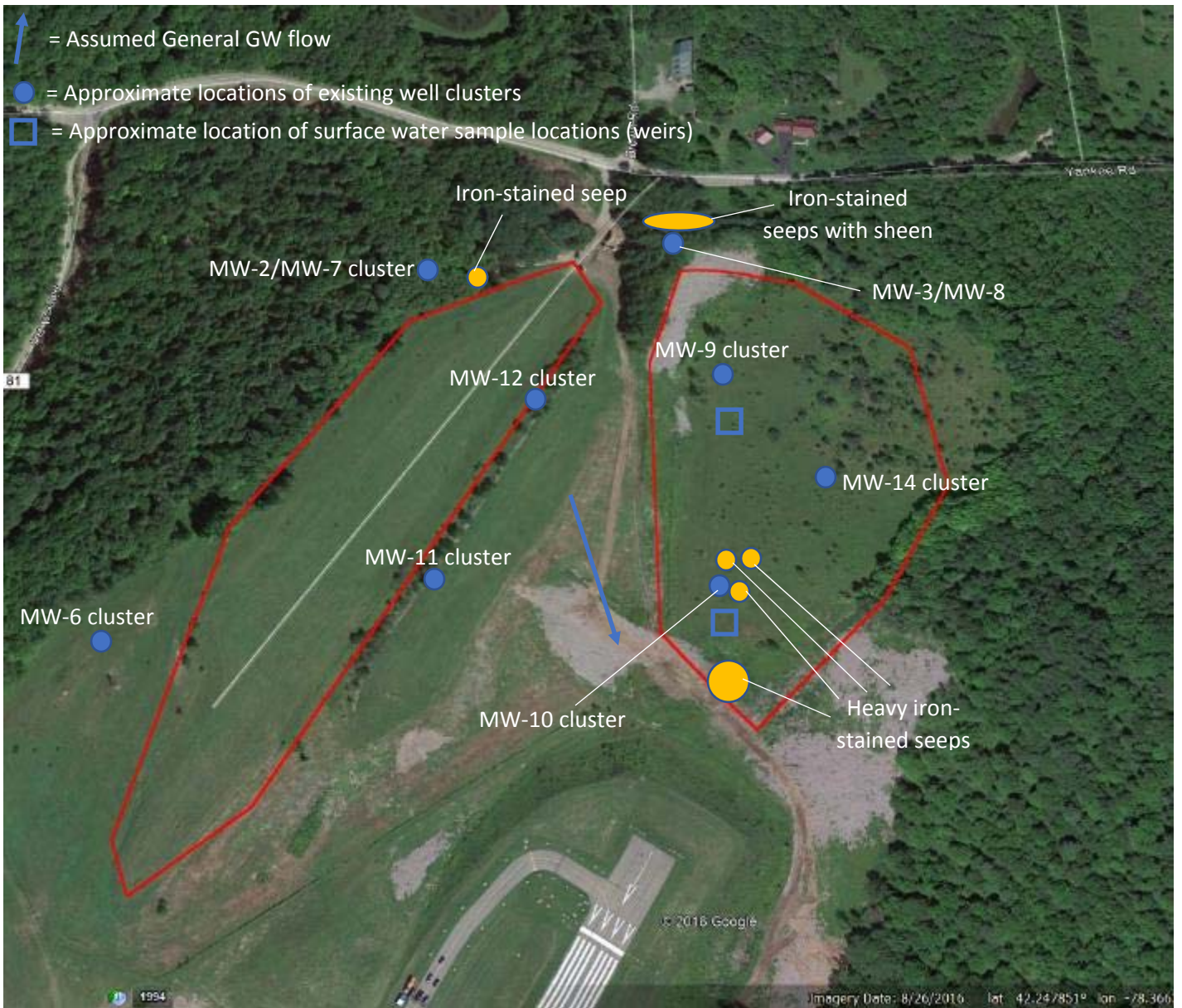
Possible leachate seeps (noted by heavy iron floc staining and a visible sheen) were observed at various locations around the perimeter of the landfills. The approximate locations of these leachate seeps are noted on the Site Plan below.

Nearby residences to the north of the site have private wells. The closest residence to the site is located approximately 420 feet to the north on Yankee Road.

### **Surface Water/Groundwater Description**

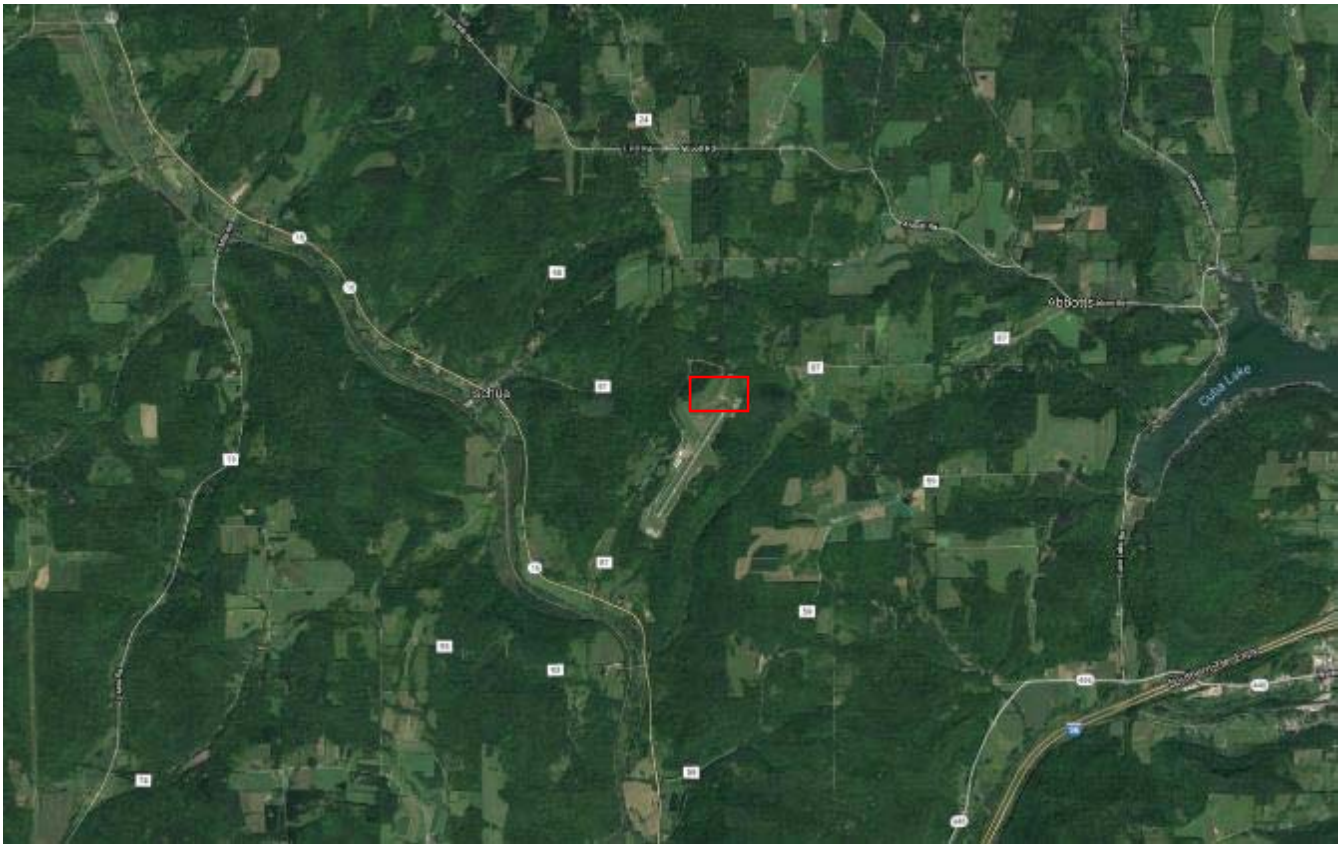
Surface water drains downgradient to the southeast of the site. Based on the topography and stream patterns, general groundwater flow is anticipated to be to the south. Groundwater depth is estimated to range from 15-45 feet below ground surface at the site, depending on the elevation.

Sampling the potential leachate seeps around the perimeter of the landfill, and the existing monitoring wells at the site would be a prudent first step to assess the presence of PFASs, VOCs, and other contaminants. If necessary, access within the site for additional well placement would not be difficult as the terrain is lightly vegetated. A track-mounted rig would likely be able to access any additional well installations, if required.

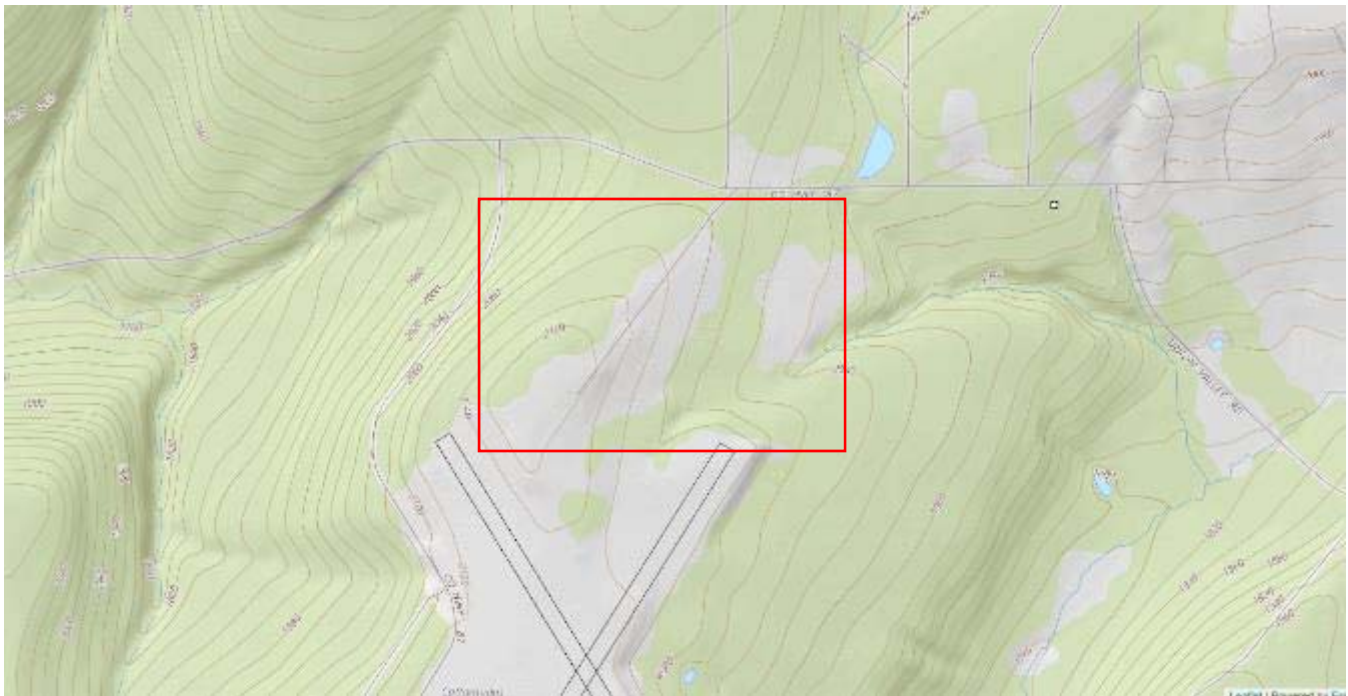


Ischua Landfill Site Plan





**Ischua Landfill Site area**



**Ischua Landfill Site Topo Map**

## PHOTOGRAPH LOG



Title: Ischua Landfill (City of Olean)

Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Site access entrance to Ischua Landfill off Yankee Road. Photo facing north.



Title: Ischua Landfill (City of Olean)

Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Northern slope of western section of Ischua Landfill. Photo facing south.



## PHOTOGRAPH LOG



Title: Ischua Landfill (City of Olean)

Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Heavy iron-stained seep with sheen along northern boundary of Ischua Landfill, just south of Yankee Road. Photo facing south.



Title: Ischua Landfill (City of Olean)

Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Eastern section of section of Ischua Landfill facing downgradient. Photo facing south.

## PHOTOGRAPH LOG



Title: Ischua Landfill (City of Olean)

Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Monitoring well MW-14, located in eastern portion of the landfill. Photo facing north.



Title: Ischua Landfill (City of Olean)

Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Heavy iron-stained seep with sheen along southern boundary of western section of Ischua Landfill. Photo facing east.

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## PHOTOGRAPH LOG



Title: Ischua Landfill (City of Olean)

Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Heavy iron-stained seep with sheen along southern boundary of western section of Ischua Landfill. Photo facing west.



Title: Ischua Landfill (City of Olean)

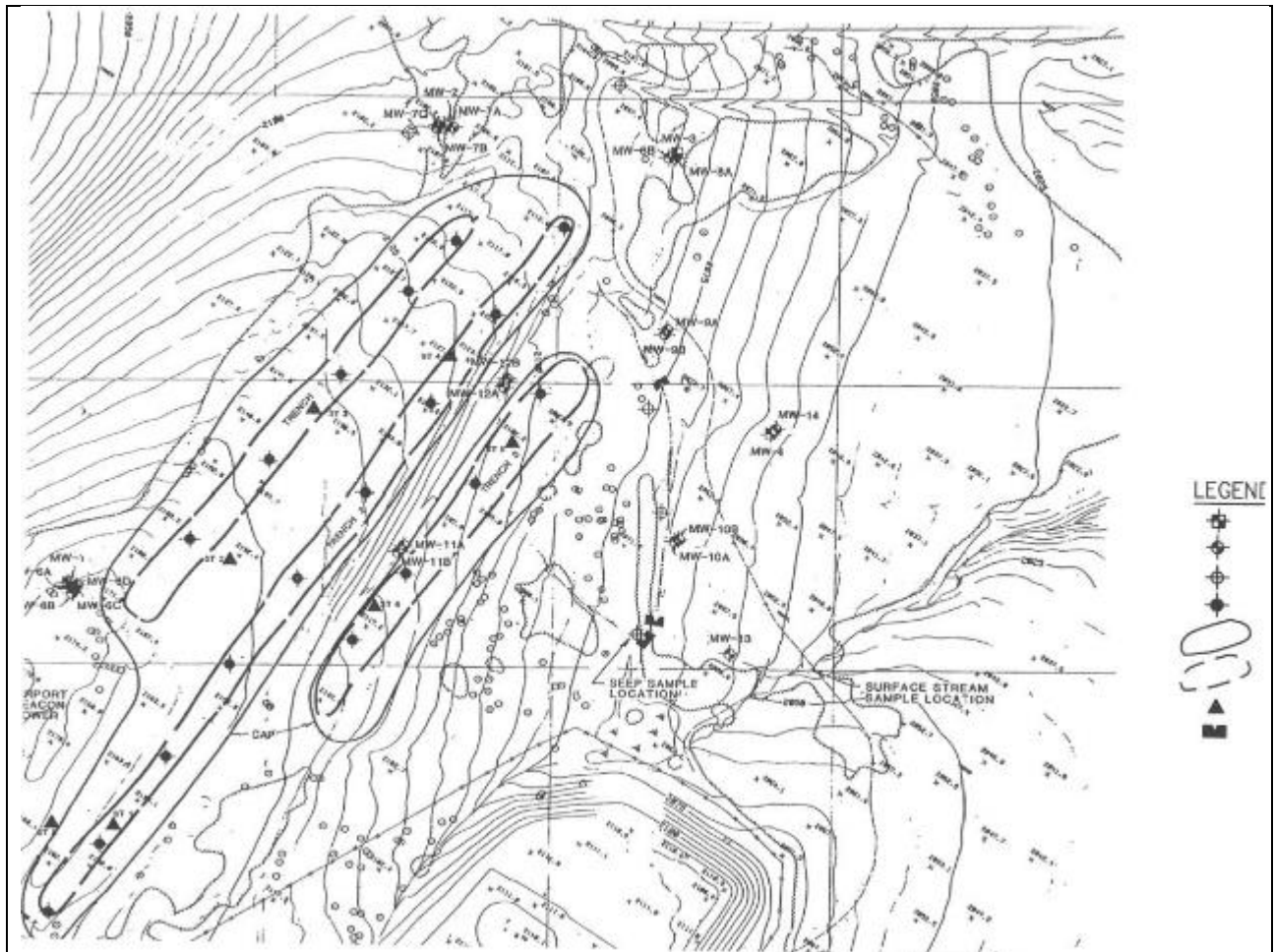
Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Surface water sampling weir located in the eastern section of the Ischua Landfill. Photo facing east.



## PHOTOGRAPH LOG



Title: Ischua Landfill (City of Olean)

Location: 5420 Airport Road, Olean, New York

Date: 5/2/2018

Description: Site Map of the site, complete with sample locations, well locations and well IDs, provided by LaBella Associates (onsite performing semi-annual sampling event).