

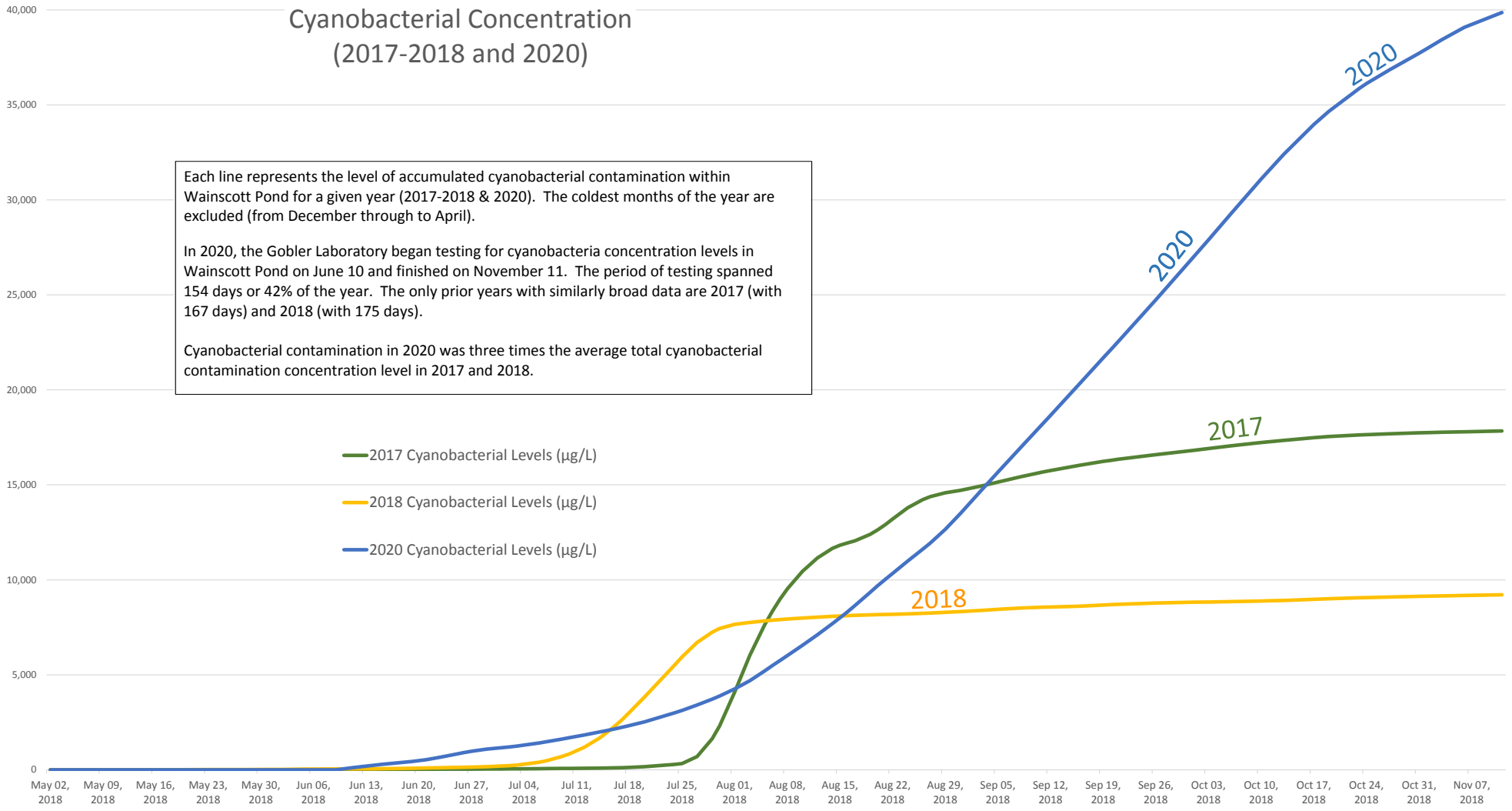
# Wainscott Pond

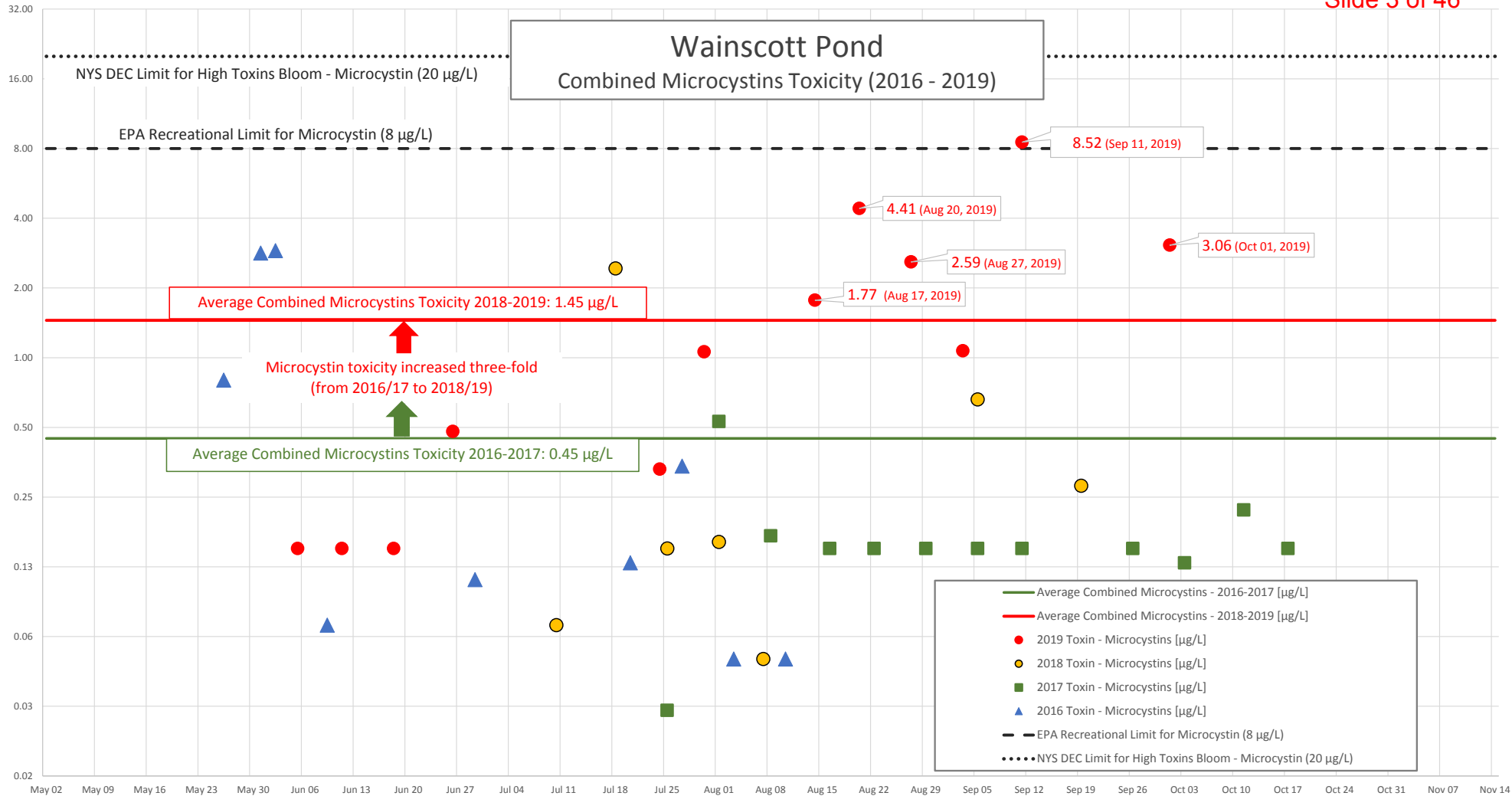
## Indicative Accumulative Cyanobacterial Concentration (2017-2018 and 2020)

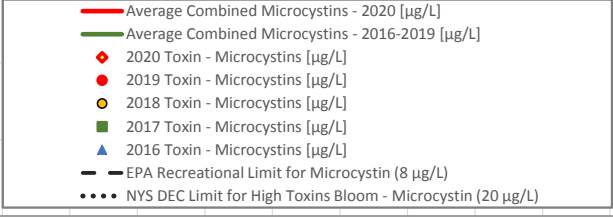
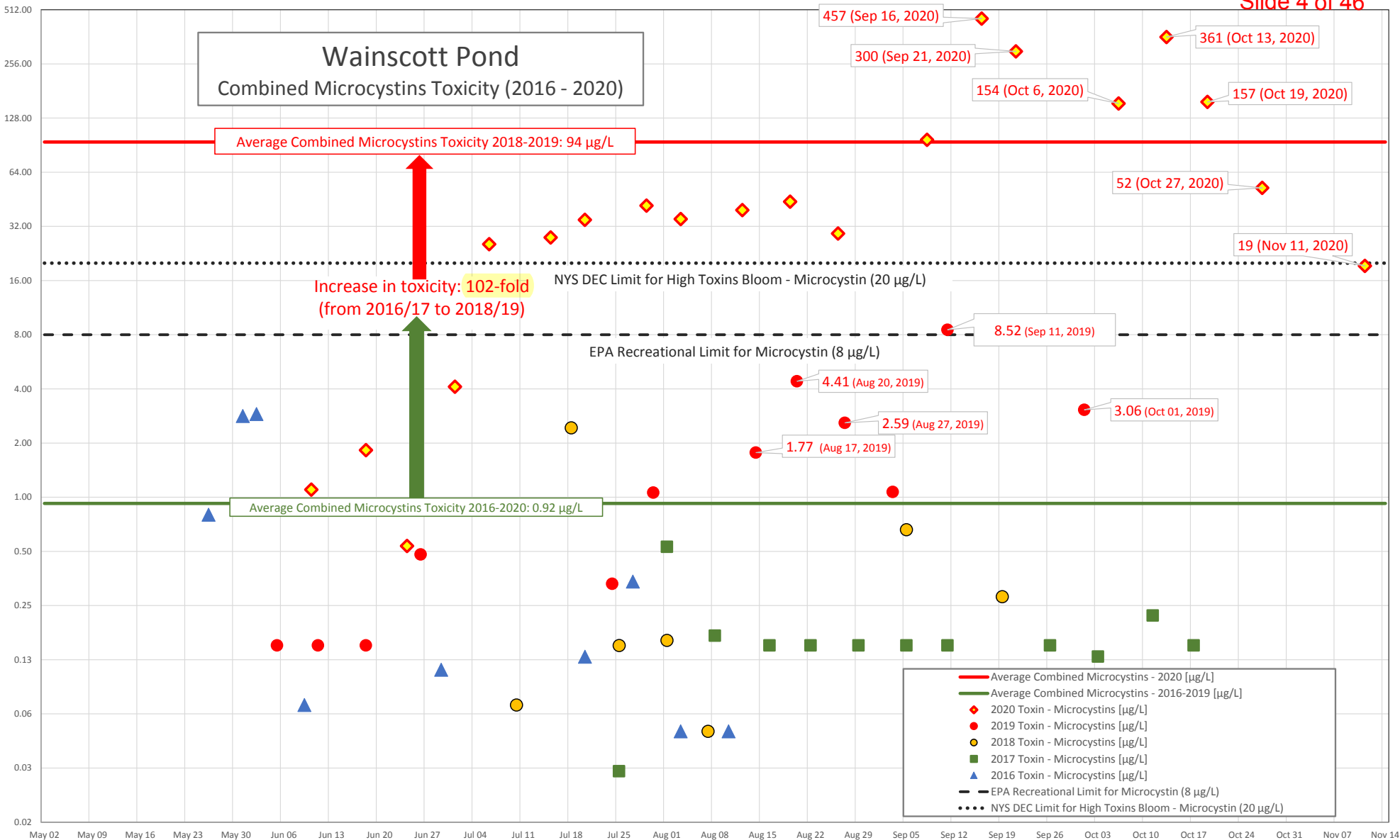
Each line represents the level of accumulated cyanobacterial contamination within Wainscott Pond for a given year (2017-2018 & 2020). The coldest months of the year are excluded (from December through to April).

In 2020, the Gobler Laboratory began testing for cyanobacteria concentration levels in Wainscott Pond on June 10 and finished on November 11. The period of testing spanned 154 days or 42% of the year. The only prior years with similarly broad data are 2017 (with 167 days) and 2018 (with 175 days).

Cyanobacterial contamination in 2020 was three times the average total cyanobacterial contamination concentration level in 2017 and 2018.









Hi Simon,

The levels were so high, many were beyond our highest standard, despite dilution of the samples by 10-fold. Simply stated, for much of the fall, the levels of microcystin were >100 micrograms per liter, or more than 10-times higher than ever recorded in Wainscott Pond, well beyond the 8 microgram per liter recreational standard set by US EPA and well beyond the 'high toxins' warning given by NYSDEC, and well beyond any other waterbody on Long Island in 2020.

We'll be running these again to get the precise values.

Christopher J. Gobler, Ph.D.  
Endowed Chair of Coastal Ecology and Conservation  
School of Marine and Atmospheric Sciences  
Director, New York State Center for Clean Water Technology  
Stony Brook University  
April 01, 2021

# LOOK OUT FOR HARMFUL ALGAL BLOOMS

A **harmful algal bloom (HAB)** is an overgrowth of algae in a water body that could affect water quality and aquatic life. Some HABs produced by bacteria can create toxins that may also harm people, animals, and the local environment.



## HOW TO IDENTIFY A HARMFUL ALGAL BLOOM

Algal blooms can make the water appear green, blue, brown, gold, or red.



Seeing colors, scum, mats, foam, or paint-like streaks in the water or clumps on the shore may indicate a bloom. However, only professional water testing can confirm if HABs and toxins are present. States often have monitoring programs for this purpose.

## SYMPTOMS OF EXPOSURE

Vary depending on how the person or animal was exposed, and whether the HAB is in salt or fresh water.



**EXPOSED?**  
Shower immediately. See a doctor or vet if symptoms occur.



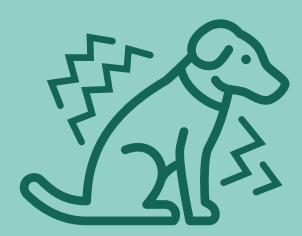
Ear, eye, nose, skin, and throat irritation, and headache



Paralysis, respiratory illness, and seizures



Abdominal pain, diarrhea, liver and kidney damage, and vomiting



Drooling, diarrhea, low energy, not eating, stumbling, tremors, and vomiting

## WHEN IN DOUBT, STAY OUT!

Stay away from the water when a suspected HAB is present.



**DON'T**  
Play with scum or mats on the shore



**DON'T**  
Let animals drink water, eat algae, or swim



**DON'T**  
Swim



**DON'T**  
Fish or wade



**DON'T**  
Boat or kayak

FOR MORE INFORMATION OR TO REPORT POSSIBLE HARMFUL ALGAL BLOOMS:

(XXX) XXX-XXXX | xxxxxxxxxxxxxxxx.html

partner logo space



# 2015 Drinking Water Health Advisories for Two Cyanobacterial Toxins

## Summary

EPA recommends HA levels at or below 0.3 micrograms per liter for microcystins in drinking water for children pre-school age and younger (less than six years old). For school-age children through adults, the recommended HA levels for drinking water are at or below 1.6 micrograms per liter for microcystins. Young children are more susceptible than older children and adults as they consume more water relative to their body weight.

## *What are cyanobacterial toxins?*

Cyanobacteria, common to freshwater and marine ecosystems, can under certain conditions (high nutrient concentrations and high light intensity) form scums or “blooms” at the surface of a water body. These blooms can produce toxic compounds (cyanobacterial toxins or “cyanotoxins”) that are harmful to the environment, animals and human health. Winds and water currents can transport cyanobacterial blooms within proximity to drinking water intakes at treatment plants that, if not removed during treatment, can cause odor, taste and color problems in treated drinking water and can be harmful to human health.

## *Health Effects Information*

Effects including gastroenteritis, and liver and kidney damage have been reported in humans following short-term exposure to cyanotoxins in drinking water. Recreational exposure to cyanobacterial blooms has been reported to lead to allergic reactions, including hay fever-like symptoms; skin rashes; and gastrointestinal distress. Animal studies have shown that long-term adverse effects from cyanotoxins include liver and kidney damage.

The 10-day HA of 0.3 µg/L is considered protective of non-carcinogenic adverse health effects for bottle-fed infants and young children of pre-school age over a ten-day exposure to microcystins in drinking water. The 10-day HA of 1.6 µg/L is considered protective of non-carcinogenic adverse health effects for children of school age through adults over a 10-day exposure to microcystins in drinking water.

## *How Can I Be Exposed to Cyanobacterial Toxins?*

For the cyanotoxin HAs, drinking water is the primary source of exposure. Exposure may also occur by ingestion of toxin contaminated food, including consumption of fish; by inhalation and dermal contact during bathing or showering; and during recreational activities. Effects due to these other routes of exposure cannot be quantified at this time, however, they are assumed to be less than from drinking water ingestion.

On August 3, 2020, in a “Statement from the office of East Hampton Town Supervisor Peter Van Scoyoc” regarding PFOA/PFOS contamination of the drinking-water supply, Supervisor Van Scoyoc made false statements in his official capacity.



## TOWN OF EAST HAMPTON

159 Pantigo Road  
East Hampton, New York 11937

PETER VAN SCOYOC  
Supervisor

(631) 324-4140

[pvanScoyoc@eamptonnv.gov](mailto:pvanScoyoc@eamptonnv.gov)

August 3, 2020

FOR IMMEDIATE RELEASE

**Statement from the office of East Hampton Town Supervisor Peter Van Scoyoc**

The following are three examples where information provided to the public by Supervisor Van Scoyoc are *not* true –

- 1 → The attached document is an accurate timeline of all events. The Town Board acted promptly and reasonably.
- 2 → Further, the Town has complied with every demand, request and order made by NYSDEC and the Suffolk County Department of Health regarding the investigation and cleanup.
- 3 → The Town has hired environmental experts in the field to immediately address any and all issues.

No. 1 *The attached document is an accurate timeline of all events.  
The Town Board acted promptly and reasonably.*

The timeline is curated and does *not* include *all* events. Supervisor Van Scoyoc fails to include the following events, which are pivotal –

- June 14, 2016 - Town is notified by DEC and is required to complete and return a PFOA/PFOS Facilities Identification Survey; and
- April 25, 2018 – East Hampton Airport is tested for contamination for the first time.

The Town was legally obligated to complete and return the PFOA/PFOS Facilities Identification Survey within thirty days but prevaricated and obfuscated for nine months before complying.

It is neither “prompt” nor “reasonable” to delay when residents living in Wainscott were ingesting harmful chemical contaminants that the EPA has linked to cancer, liver damage, antibody production, immunity, and more.



In June 2016, NYS DEC notified the Town of possible risks to public health in the event of a release of PFOA/PFOS chemical contaminants into the environment, specifically at airports and fire training facilities. The Town did nothing.

In a similar situation, residents living near Gabreski Airport received clean drinking water (beginning July 23, 2016) more than a year earlier than residents living in Wainscott (beginning October 11, 2017).

Although the Town did not have East Hampton Airport for PFOA/PFOS contamination (until April 25, 2018), it advised Wainscott residents to have their private wells tested as early as October 2017. Supervisor Cantwell admitted (in October 2017) that “PFOA and PFOS, may have come from firefighting foam used at the airport ... [and] encouraged residents to allow the health department to test their private wells for free. We need to know the test results in order to better understand the breadth of the potential problem as well as what the potential solution might be[.]”<sup>1</sup> So, why didn’t the Town have the airport tested?

Supervisor Van Scoyoc did *not* provide a “timeline of all events,” and the Town Board did *not* “acted promptly and reasonably.”

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<sup>1</sup> See Newsday article, *More than 250 Wainscott wells could be tested for contamination* by Rachele Blidner published October 18, 2017 (<https://www.newsday.com/long-island/suffolk/more-than-250-wainscott-wells-could-be-tested-for-contamination-1.14523991>)

No. 2 *The Town has complied with every demand, request and order made by NYSDEC and the Suffolk County Department of Health regarding the investigation and cleanup.*

On November 24, 2017, the Deputy Commissioner for Suffolk Country Department of Health Services, Christina Capobianco, sent an email to Supervisor Cantwell that reads – “[T]here may be properties that are located at the Town of East Hampton Airport that may be served with private wells. If so, SCDHS would like to ... to schedule an appointment to sample the wells as needed. Would it be possible for the Town to provide us with the ... number and location of any on-site wells at the East Hampton Airport?”

Three days later, the Supervisor’s office replied with addresses for two vacant lots, neither of which had on-site wells, and one address for a property in which the Town did not have an ownership interest. Still, the Town did *not* provide *any* information on the eight wells on properties it owned at East Hampton Airport (see Town maps dated December 4, 2017). The Town did *not* comply with “every demand, request and order made by NYSDEC and the Suffolk County Department of Health regarding the investigation and cleanup.” Why did the Town conceal the wells at the airport?





LABEL	LEASE NAME
1.	Sound Aircraft
2.	RFP Design, LLC
3.	Russel Munson
4.	Matthew J. Brennan
5.	Hampton Hangar
6.	Enterprise
7.	Hertz Corporation
8.	Hampton Transfer
9.	East Hampton Hangars, Inc.
10.	FLY Blade

	EXISTING & FUTURE NON-AERONAUTICAL USES
	EXISTING & FUTURE AERONAUTICAL USES
	PRIVATE AIRPORT WELLS
	SUSPECTED USE OF FOAM (Within Map Extent Only)



Prepared By  
**THE TOWN OF EAST HAMPTON**  
 Suffolk County, New York  
 Dept. of Information Technology

Basemaps: 2016 NYS Digital Ortho Photography  
 Suffolk County Real Property Tax Service  
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 Real Property Taxmap parcel linework used with permission of  
 Suffolk County Real Property Tax Service Agency (R.P.T.S.A.)

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# TOWN OF EAST HAMPTON

## AIRPORT LEASED PROPERTIES & WELL LOCATIONS



Date Prepared: Dec 4, 2017



TOWN OF SOUTHAMPTON

LABEL	LEASE NAME
1	East Hampton Town Police
2	East Hampton Storage, Corp
3	Rox-Central Realty Corp Manager
4	Industrial Road Associates, Inc.
5	Robert Rattenni (39 & 41 Industrial Rd)
6	G&T Power Systems and Robert D. Caruso Studio, LTD
7	Ronald Sullivan
8	The Country School
9	East Hampton Fire District Training Facility
10	Local Television, Inc.
11	Phoenix House of LI, Inc.
12	Summerhill Landscape
13	Landscape Details
14	Wainscott Farms
15	AT&T and Maidstone Gun Club, Inc.
16	See Addendum
17	LI Airlines/Aviation Resources/Myers
18	East End Hangers
19	ARFF
20	HTO, E. Hampton Distr. L.L.C.

- EXISTING & FUTURE NON-AERONAUTICAL USES
- EXISTING & FUTURE AERONAUTICAL USES
- PRIVATE AIRPORT WELLS
- SUSPECTED USE OF FOAM
- SCWA WATERMAINS

Date Prepared: Dec 4, 2017



Prepared By  
**THE TOWN OF EAST HAMPTON**  
 Suffolk County, New York  
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Basemaps: 2016 NYS Digital Ortho Photography  
 Suffolk County Real Property Tax Service  
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# TOWN OF EAST HAMPTON

## AIRPORT LEASED PROPERTIES & WELL LOCATIONS





No. 3 *The Town has hired environmental experts in the field to immediately address any and all issues.*

- Who has the Town hired as “environmental experts in the field” of chemical contamination, and what are their qualifications?
- Has the Town hired *any* experts in environmental chemistry, organic chemistry, geology, geochemistry, or hydrology to advise it on PFAS contamination and remediation?

---

To restore trust and to facilitate honest communication between the Town Board and members of the public,<sup>2</sup> I respectfully ask that the WCAC advise the Town Board to –

- Correct the false information provided by Supervisor Van Scoyoc in his “Statement from the office of East Hampton Town Supervisor Peter Van Scoyoc” (including the “timeline of all events”) dated August 3, 2020; and
- Provide a complete and honest account in response to Report No. 3, PFAS Contamination, Cover-up and Obstruction by the Town of East Hampton.

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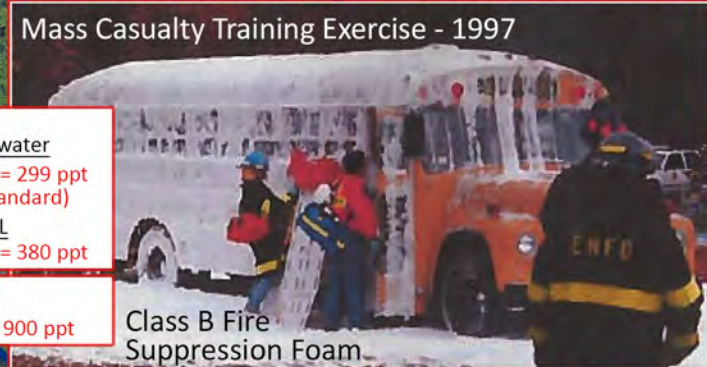
<sup>2</sup> Pursuant to Town of East Hampton Resolution 2005-0804, paragraphs 2, 3 and 7; and Resolution 2010-0495, paragraph 5.

# East Hampton Airport PFAS Contamination (groundwater and soil)

Slide 15 of 46



**Plane Crash - 2012**  
"use of AFFF to extinguish fire"



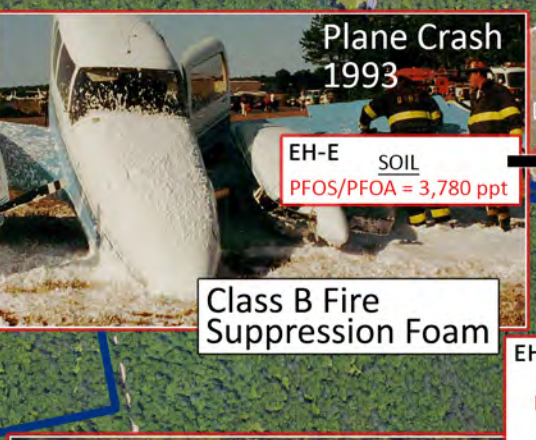
**Mass Casualty Training Exercise - 1997**

**Class B Fire  
Suppression Foam**



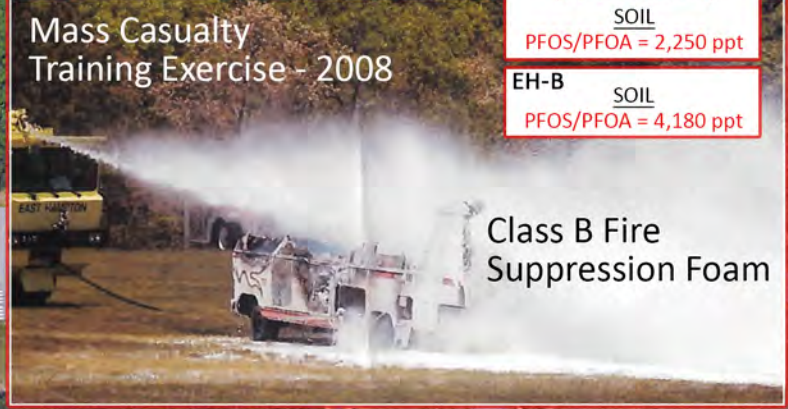
**Fuel Truck Engine Fire**

**Class B Fire  
Suppression Foam**



**Plane Crash  
1993**

**Class B Fire  
Suppression Foam**



**Mass Casualty  
Training Exercise - 2008**

**Class B Fire  
Suppression Foam**

**EH-19A**  
Fire Dept. Garage (Oshkosh T1500)  
Fire District Training Facility, Inc.  
Groundwater  
PFOS/PFOA = 145 ppt (2x EPA standard)  
SOIL: PFOS/PFOA = 4,080 ppt

**EH-19A2** Groundwater  
PFOS/PFOA = 174 ppt (2x EPA standard)  
SOIL: PFOS/PFOA = 370 ppt

**EH-19B1** SOIL  
PFOS/PFOA = 15,800 ppt

**EH-1** Groundwater  
**Fire Training Structure**  
Fire District Training, Inc.  
PFOS/PFOA = 162 ppt (2x EPA standard)  
SOIL: PFOS/PFOA = 10,180 ppt

**EH-B** SOIL  
PFOS/PFOA = 4,180 ppt

**EH-B1** Groundwater  
PFOS/PFOA = 287 ppt  
(4x EPA standard)  
SOIL  
PFOS/PFOA = 2,250 ppt

**EH-16** SOIL  
PFOS/PFOA = 900 ppt

**EH-162** Groundwater  
PFOS/PFOA = 299 ppt  
(4x EPA standard)  
SOIL  
PFOS/PFOA = 380 ppt

**EH-A1** SOIL  
PFOS/PFOA = 520 ppt

**EH-E** SOIL  
PFOS/PFOA = 3,780 ppt



Storage of Class B Fire Suppression Foam at airport site.  
Dates of storage: CURRENTLY STORED Method of storage: 3X55 GALLON DRUM



# Wainscott PFAS Contamination (private drinking-water wells)

Slide 16 of 46

- PFOA Perfluorooctanoic Acid
- PFOS Perfluorooctanesulfonic Acid
- PFNA Perfluorononanoic Acid
- PFHxS Perfluorohexanesulfonic Acid
- PFHpA Perfluoroheptanoic Acid
- PFBS Perfluorobutanesulfonic Acid

Fire Dept. Garage (Oshkosh T1500)  
Fire District Training Facility, Inc.

East Hampton Airport  
owned by and an agency of  
Town of East Hampton

Fire Training Structure  
Fire District Training, Inc.

SHAW AERO DEVICES INC  
Griffiths Carpet  
Teflon Treatment

Highest Recorded Contamination  
for Combined PFOS / PFOA = 791

Contamination Double EPA Standard  
PFOA = 140 ppt  
PFOS = 5 ppt

Contamination Double EPA Standard  
PFOA = 160.0 ppt  
PFOS = 1.8 J

Contamination Double EPA Standard  
PFOS = 140 ppt, PFOA = 34 ppt  
(PFOS/PFOA = 174 ppt)

PFOA / PFOS = 174  
Exceeds EPA limit by: 2 1/2 times  
PFOS = 140  
Exceeds NYS Std by: 14 times

PFOA / PFOS = 162  
Exceeds EPA limit by: 2 1/2 times  
PFOA = 160  
Exceeds NYS Std by: 16 times

Deepwater Wind's  
Proposed Export Cable

PFHpA = 13.9 ng/L  
PFHpA = 12.1 ng/L  
PFHpA = 10.5 ng/L  
PFHpA = 10.5 ng/L  
PFHpA = 10.1 ng/L

PFNA = 672.0 ng/L  
PFNA = 513.0 ng/L  
PFNA = 502.0 ng/L  
PFNA = 22.6 ng/L  
PFNA = 12.8 ng/L

PFHxS = 45.7 ng/L  
PFHxS = 35.5 ng/L  
PFHxS = 12.5 ng/L

PFOA = 16.2 ng/L  
PFOA = 15.6 ng/L  
PFOA = 14.6 ng/L

PFOS = 32.4 ng/L  
PFOS = 31.9 ng/L  
PFOS = 30.1 ng/L  
PFOS = 16.6 ng/L

PFHxS = 83.1 ng/L  
PFHxS = 71.9 ng/L  
PFHxS = 71.8 ng/L

PFOS = 75.1 ng/L  
PFOS = 74.0 ng/L  
PFOS = 49.8 ng/L

PFOA = 82.8 ng/L  
PFOA = 76.7 ng/L  
PFOA = 70.3 ng/L

PFHxS = 17.1 ng/L  
PFHxS = 16.7 ng/L  
PFHxS = 13.1 ng/L  
PFHxS = 10.4 ng/L

PFOA = 14.5 ng/L  
PFOA = 14.4 ng/L

PFOS = 25.7 ng/L  
PFOS = 24.7 ng/L

PFHpA = 46.1 ng/L  
PFHpA = 42.1 ng/L

PFOS = 38.8 ng/L  
PFOS = 33.0 ng/L  
PFOS = 28.8 ng/L  
PFOS = 25.4 ng/L  
PFOS = 8.5 ng/L  
PFOS = 7.8 ng/L  
PFOS = 6.3 ng/L  
PFOS = 4.5 ng/L

PFOA = 18.1 ng/L  
PFOA = 14.8 ng/L  
PFOA = 11.6 ng/L  
PFOA = 10.9 ng/L  
PFOA = 9.0 ng/L  
PFOA = 9.0 ng/L  
PFOA = 8.1 ng/L  
PFOA = 6.7 ng/L  
PFOA = 6.6 ng/L

PFHpA = 22.6 ng/L  
PFHpA = 20.1 ng/L  
PFHpA = 22.6 ng/L

PFOS = 30.5 ng/L  
PFOS = 21.1 ng/L  
PFOS = 8.8 ng/L

PFBS = 25.8 ng/L  
PFHxS = 64.3 ng/L  
PFHxS = 21.1 ng/L  
PFHxS = 17.4 ng/L  
PFHxS = 17.2 ng/L  
PFHxS = 17.1 ng/L  
PFHxS = 11.9 ng/L  
PFHxS = 2.1 ng/L

PFOA = 18.1 ng/L  
PFOA = 17.8 ng/L  
PFOA = 12.2 ng/L

PFOS = 83.8 ng/L  
PFOS = 27.9 ng/L  
PFOS = 16.5 ng/L

PFOA = 13.7 ng/L  
PFOA = 10.8 ng/L  
PFOA = 7.3 ng/L

PFHxS = 70.0 ng/L  
PFHxS = 11.8 ng/L

Additional PFOS/PFOA Contamination reported on June 14, 2018

PFOS/PFOA = 791.0	PFOS/PFOA = 75.1	PFOS/PFOA = 37.0
PFOS/PFOA = 172.0	PFOS/PFOA = 72.4	PFOS/PFOA = 38.4
PFOS/PFOA = 158.0	PFOS/PFOA = 77.8	PFOS/PFOA = 56.0
PFOS/PFOA = 106.3	PFOS/PFOA = 70.2	PFOS/PFOA = 36.8
PFOS/PFOA = 106.8	PFOS/PFOA = 45.0	PFOS/PFOA = 35.2

PFHpA = 12.3 ng/L

PFHxS = 135.0 ng/L  
PFHxS = 105.0 ng/L  
PFHxS = 31.6 ng/L

PFOA = 5.0 ng/L

PFOS = 3.9 ng/L  
PFOS = 3.2 ng/L  
PFOS = 2.5 ng/L

PFBS = 97.2 ng/L  
PFHpA = 25.4 ng/L  
PFHpA = 24.7 ng/L  
PFHpA = 16.4 ng/L

PFHxS = 22.3 ng/L  
PFHxS = 28.8 ng/L

PFOS/PFOA  
Combined = 168.4 ng/L  
Double US EPA Standard

PFOS = 124.0 ng/L  
PFOA = 44.4 ng/L

PFHxS = 224.0 ng/L  
PFHxS = 218.0 ng/L  
PFHpA = 20.8 ng/L  
PFHpA = 20.2 ng/L

PFOA = 17.3 ng/L  
PFOA = 5.5 ng/L

Additional PFOS/PFOA Contamination reported on June 14, 2018

PFOS/PFOA = 42.4	PFOS/PFOA = 18.8	PFOS/PFOA = 12.6
PFOS/PFOA = 37.7	PFOS/PFOA = 17.8	PFOS/PFOA = 11.9
PFOS/PFOA = 31.1	PFOS/PFOA = 17.6	PFOS/PFOA = 11.1
PFOS/PFOA = 29.7	PFOS/PFOA = 17.1	PFOS/PFOA = 11.0
PFOS/PFOA = 24.0	PFOS/PFOA = 16.4	PFOS/PFOA = 11.0
PFOS/PFOA = 23.8	PFOS/PFOA = 16.3	PFOS/PFOA = 10.6
PFOS/PFOA = 23.0	PFOS/PFOA = 16.1	PFOS/PFOA = 10.5
PFOS/PFOA = 22.0	PFOS/PFOA = 13.9	PFOS/PFOA = 9.9

PFHxS = 71.7 ng/L  
PFHxS = 14.1 ng/L

PFBS = 22.5 ng/L

PFHpA = 14.7 ng/L

PFOS = 14.1 ng/L  
PFOA = 4.3 ng/L

Over 150 homes  
are within 1/2 radius  
downgradient from  
East Hampton Airport

Key: Groundwater Flow Direction Overlay  
Source: Suffolk County Water Authority - Wainscott Water Distribution System Improvement Engineering Report (May 2018), Fig 10 at page 16

Prepared by  
Si Kinsella  
May 8, 2020

Source: Data represents 284 laboratory test results for drinking-water samples taken from wells within Wainscott from Aug 14, 2017 to Jan 31, 2018. Provided by SCDHS in response to a FOIL request together with information from the Site Characterization Report by AECOM prepared for the NYS DEC dated November 30, 2018 and data from SCDHS email of June 14, 2018. Data compiled by Si Kinsella (Nov 13, 2019).



Office of the General Counsel, Deputy Commissioner & General Counsel  
625 Broadway, 14th Floor, Albany, New York 12233-1010  
P: (518) 402-9185 | F: (518) 402-9018  
www.dec.ny.gov

June 14, 2016

Jemille Charlton  
East Hampton Airport  
159 Pantigo Road  
East Hampton, NY 11937

RE: **Request for Information Pursuant to Article 27, Title 13  
of New York State Environmental Conservation Law (ECL)/  
PFOA/PFOS Facility Identification Survey**

Dear Mr. Charlton:

The New York State Department of Environmental Conservation (DEC) is conducting a survey of businesses in New York State to identify facilities at which PFOA-acid (perfluorooctanoic acid), PFOA-salt (ammonium perfluorooctanoate), PFOS-acid (perfluorooctane sulfonic acid), or PFOS-salt (perfluorooctane sulfonate) (collectively referred to within as "PFOA/PFOS") are currently or were formerly used, stored, manufactured, disposed of, or released. These substances are man-made chemicals associated with Teflon and other fluoropolymers. DEC added PFOA-acid to New York State's list of hazardous substances (6 NYCRR Section 597.3) by emergency regulation dated January 27, 2016, and added PFOA-salt, PFOS-acid, and PFOS-salt to the list by emergency regulation dated April 25, 2016, making them all hazardous wastes as defined by ECL Article 27, Title 13.

An authorized representative of your business must complete the enclosed PFOA/PFOS Facility Identification Survey. DEC has the authority to request this information pursuant to ECL Sections 27-1305, 27-1307, and 27-1309. DEC reserves the right to request supplemental and/or additional information. You are legally obligated to respond to this survey. Failure to complete the survey is a violation of the ECL and may be subject to enforcement action.

A fully completed and certified survey may be completed and submitted by e-mail to DEC on or before July 15, 2016. The fillable pdf form with instructions for completion and submittal is found at [http://www.dec.ny.gov/docs/remediation\\_hudson\\_pdf/survey1.pdf](http://www.dec.ny.gov/docs/remediation_hudson_pdf/survey1.pdf). The survey questions are enclosed for your review prior to completion of the survey.

It is strongly preferred that you complete the survey using the fillable pdf form and submit it by e-mail to [derweb@dec.ny.gov](mailto:derweb@dec.ny.gov). If you are unable to do so, responses must be submitted to DEC, in writing, on or before **July 15, 2016**. Make sure you respond to each and every question, indicating the number of each question to which your response corresponds, and sign the survey form. Non-electronic responses must be mailed to the following address: Ted Bennett, NYSDEC, Division of Environmental Remediation, 625 Broadway (12<sup>th</sup> Floor), Albany, NY 12233-7012.

If you have any questions, please contact Ted Bennett at 518-402-9764 or [theodore.bennett@dec.ny.gov](mailto:theodore.bennett@dec.ny.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read 'T. Berkman', with a long horizontal flourish extending to the right.

Thomas S. Berkman  
Deputy Commissioner  
and General Counsel



### Class B Fire Suppression Foam Usage Survey Questions

If possible, please complete the fillable PDF survey available at:

[http://www.dec.ny.gov/docs/remediation\\_hudson\\_pdf/survey2.pdf](http://www.dec.ny.gov/docs/remediation_hudson_pdf/survey2.pdf)

**Instructions:** Please answer all questions with respect to the period of current ownership/operation. In the event information is available regarding prior owners or operators, include it in the responses.

Please return the completed survey (PDF file) via email to [derweb@dec.ny.gov](mailto:derweb@dec.ny.gov) by **July 15, 2016**. Non-electronic responses must be mailed to the following address: Ted Bennett, NYSDEC, Division of Environmental Remediation, 625 Broadway (12<sup>th</sup> Floor), Albany, NY 12233-7012.

If you have any questions, contact Ted Bennett at (518) 402-9764 or by email at [theodore.bennett@dec.ny.gov](mailto:theodore.bennett@dec.ny.gov)

1. Facility Name: [REDACTED]
2. Facility Address: [REDACTED]  
City/Town: [REDACTED]  
State: [REDACTED]  
Zip Code: [REDACTED]
3. Period of Facility Ownership: [REDACTED]
4. Period of Facility Operation or Control: [REDACTED]
5. Identities of Prior Facility Owners and Operators (to the extent available to current Owner/Operator): [REDACTED]
6. Is any Class B fire suppression foam currently stored and/or used at the Facility?  Yes  No

If yes, please provide all known information about the type of Class B fire suppression foam currently stored and/or used, including:

- a. Date of purchase: [REDACTED]
- b. Manufacturer and type of Class B fire suppression foam stored: [REDACTED]
- c. Quantity of Class B fire suppression foam stored: [REDACTED]
- d. % PFOS/A concentrate: [REDACTED]
- e. Method of storage: [REDACTED]
- f. Other relevant information: [REDACTED]



7. Has any Class B fire suppression foam ever been stored and/or used at the Facility?  Yes  No  Unknown

If yes, please note:

- a. Dates of storage: [redacted]
- b. Manufacturer and type of Class B fire suppression foam stored: [redacted]
- c. Quantity of Class B fire suppression foam stored: [redacted]
- d. % PFOS/A concentrate: [redacted]
- e. Method of storage: [redacted]
- f. Other relevant information: [redacted]

8. Has Class B fire suppression foam ever been used for training purposes at the Facility?  Yes  No  Unknown

If yes, please note:

- a. Dates and frequency of training: [redacted]
  - i. If exact information is not available, please provide an estimate:
    - 1. 1-10 times over 10 years
    - 2. 11-50 times over 10 years
    - 3. 50 or more times over 10 years
- b. Manufacturer and type of Class B fire suppression foam used in training: [redacted]
- c. Quantity of Class B fire suppression foam used in training: [redacted]
- d. Other relevant information: [redacted]

9. Has Class B fire suppression foam ever been used for firefighting or other emergency response purposes at the Facility?  Yes  No  Unknown

If yes, please note:

- a. Date of emergency response: [redacted]
  - i. If exact information is not available, please provide an estimate:
    - 1. 1-10 times over 10 years
    - 2. 11-50 times over 10 years
    - 3. 50 or more times over 10 years
- b. Manufacturer and type of Class B fire suppression foam used in firefighting or emergency response: [redacted]
- c. Quantity of Class B fire suppression foam used in firefighting and emergency response: [redacted]
- d. Other relevant information: [redacted]





10. Has the Facility ever experienced a spill or leak of Class B fire suppression foam?  Yes  No  Unknown

If yes, please note:

- a. Date of spill/leak: [redacted]
  - i. If exact information is not available, please provide an estimate:
    - 1. 1-10 times over 10 years
    - 2. 11-50 times over 10 years
    - 3. 50 or more times over 10 years
- b. Manufacturer and type of Class B fire suppression foam spilled/leaked: [redacted]
- c. Quantity of Class B fire suppression foam spilled/leaked: [redacted]
- d. Other relevant information: [redacted]

11. Has your Facility ever been responsible for the use of Class B fire suppression foam at a location other than the Facility (i.e. offsite training, emergency response, or spill)?  Yes  No  Unknown

If yes, please note:

- a. Date of each offsite use: [redacted]
  - i. If exact information is not available, please provide an estimate:
    - 1. 1-10 times over 10 years
    - 2. 11-50 times over 10 years
    - 3. 50 or more times over 10 years
- b. Manufacturer and type of Class B fire suppression foam used: [redacted]
- c. Quantity of Class B fire suppression foam: [redacted]
- d. Other relevant information: [redacted]

Upon completing the survey you must place an "✓" in this box to certify the following:

**Certification.** I certify that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

[redacted signature line]

Name of person who completed and submitted responses to Survey (the legal owner, operator, or their representative authorized to complete and submit Survey)

[redacted signature line]

Name and Official Title

Address

Telephone Number

E-mail Address

Date Certified or Signed

Clear Form

**Information Bulletin****Guidance to Fire Departments Regarding Class B Firefighting Foam Concentrates Which May Contain Hazardous Substances**

The New York State Office of Fire Prevention and Control (OFPC), based upon current regulatory requirements promulgated by the New York State **Department of Environmental Conservation** (DEC) and related guidance developed by DEC, offers the following recommendations:

1. Discontinue use of any Class B foam concentrate for training purposes due to potential environmental and public health concerns. Class B foams include aqueous film forming foam (AFFF), alcohol resistant aqueous film-forming foam (AR-AFFF), film-forming fluoroprotein foam (FFFP), alcohol resistant film-forming fluoroprotein foam (AR-FFFP), and fluoroprotein foam (FP, FPAR).
  - OFPC recommends use of training foam, Class A wetting agents, or a mild dish detergent verified not to contain materials listed as hazardous substances for the purpose of conducting Class B foam training.
2. Review the fact sheet **“Storage and Use of Fire Fighting Foams Under New Hazardous Substance Regulations”** provided by DEC regarding changes to **6 NYCRR Part 597 Hazardous Substances Identification, Release Prohibition, and Release Reporting** in its entirety.
3. Work with the manufacturer of any foam concentrate currently in inventory to determine if it contains material classified as a hazardous substance or represents other environmental hazards.
4. Based upon that determination, comply as necessary with DEC rules and regulations regarding registration, storage, and any potential use or spill of a hazardous substance, including notification if applied at an actual incident, as well as disposal.
  - Note that use of foam concentrates containing the indicated hazardous substances is permitted for firefighting (not training) until April 25, 2017, to enable users to identify and replace those concentrates while maintaining foam capabilities necessary to provide for public safety in the interim.
5. Properly dispose of foam concentrate containing a hazardous substance, as required by DEC regulation and as indicated in the DEC fact sheet.
  - OFPC recommends properly disposing of any foam concentrate for which the manufacturer, type, or age cannot be determined.
6. Appropriate measures should be taken to confine any Class B foam applied at an incident for vapor suppression or fire control purposes, in addition to those steps taken to confine any hazardous material the foam was applied to (often these measures will be mutually supportive). Finished foam applied to a spill should be cleaned up along with the spill itself by an appropriate party (i.e., approved clean up contractor).

Additional information regarding **6 NYCRR Part 597 Hazardous Substances Identification, Release Prohibition, and Release Reporting** is available here:

<http://www.dec.ny.gov/regulations/104968.html>. Questions regarding that regulation or the **“Storage and Use of Fire Fighting Foams Under New Hazardous Substance Regulations”** fact sheet should be directed to the NYS Department of Environmental Conservation’s Bureau of Technical Support, Division of Environmental Remediation at 518-402-9543 or by email at [derweb@dec.ny.gov](mailto:derweb@dec.ny.gov).

**Cullen, Heather A (DEC)**

---

**From:** Patrick Manzo <PManzo@EHamptonNY.Gov>  
**Sent:** Thursday, March 23, 2017 11:10 AM  
**To:** Cullen, Heather A (DEC)  
**Cc:** James Brundige  
**Subject:** RE: East Hampton Airport  
**Attachments:** Doc20170323110143.pdf

*ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.*

Heather,

I received your phone call. Please find the attached survey from the Town of East Hampton Airport Managers Office.

Any questions, please call.

Thank You,

Patrick Manzo  
East Hampton Airport  
(631) 537-1130 x7502

---

**From:** Cullen, Heather A (DEC) [mailto:Heather.Cullen@dec.ny.gov]  
**Sent:** Thursday, February 23, 2017 8:22 AM  
**To:** Patrick Manzo <PManzo@EHamptonNY.Gov>  
**Subject:** RE: East Hampton Airport

Patrick,

We do still need a survey filled out for East Hampton Airport. If the airport does not have foam and has never had foam, and foam has never been used at the airport, just mark "no" for everything. We have contacted fire departments separately.

Thanks,

Heather Cullen

---

**From:** Patrick Manzo [mailto:PManzo@EHamptonNY.Gov]  
**Sent:** Thursday, February 23, 2017 8:15 AM  
**To:** Cullen, Heather A (DEC) <Heather.Cullen@dec.ny.gov>  
**Subject:** RE: East Hampton Airport

*ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.*

Good Moring Heather,

I forwarded this request to Airport Director, Jim Brundige who replied:

"We don't have fire fighting foam. The East Hampton Village has a foam truck. I gave this form to Dave Browne who forwarded it to the Fire Chief. I guess he still hasn't filled it out."

Slide 25 of 46

I would suggest reaching out to Dave Browne at (631) 329-3473.

Patrick Manzo

East Hampton Airport  
(631) 537-1130 x7502

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**From:** Cullen, Heather A (DEC) [<mailto:Heather.Cullen@dec.ny.gov>]  
**Sent:** Wednesday, February 22, 2017 3:33 PM  
**To:** Patrick Manzo <[PManzo@EHamptonNY.Gov](mailto:PManzo@EHamptonNY.Gov)>  
**Subject:** East Hampton Airport

Hello Patrick,

As we spoke of earlier, the link for the Class B Fire Suppression Foam Usage Survey is [http://www.dec.ny.gov/docs/remediation\\_hudson\\_pdf/survey2.pdf](http://www.dec.ny.gov/docs/remediation_hudson_pdf/survey2.pdf). I have also attached an information bulletin that may be of assistance in filling out the survey.

Please complete it as soon as possible and either submit it via the instructions at the top of the survey or email it directly back to me.

Thank you,

Heather Cullen  
[heather.cullen@dec.ny.gov](mailto:heather.cullen@dec.ny.gov)  
Division of Environmental Remediation  
New York State Department of Environmental Conservation

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Thank you.

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Thank you.





### Class B Fire Suppression Foam Usage Survey Questions

If possible, please complete the fillable PDF survey available at:

[http://www.dec.ny.gov/docs/remediation\\_hudson\\_pdf/survey2.pdf](http://www.dec.ny.gov/docs/remediation_hudson_pdf/survey2.pdf)

**Instructions:** Please answer all questions with respect to the period of current ownership/operation. In the event information is available regarding prior owners or operators, include it in the responses.

Please return the completed survey (PDF file) via email to [derweb@dec.ny.gov](mailto:derweb@dec.ny.gov) by **January 31, 2017**. Non-electronic responses must be mailed to the following address: Ted Bennett, NYSDEC, Division of Environmental Remediation, 625 Broadway (12<sup>th</sup> Floor), Albany, NY 12233-7012.

If you have any questions, contact Ted Bennett at (518) 402-9764 or (518) 402-9741 or by email at: [theodore.bennett@dec.ny.gov](mailto:theodore.bennett@dec.ny.gov)

1. Facility Name: EAST HAMPTON AIRPORT
2. Facility Address: 200 DANIELS HOLE ROAD  
City/Town: WAINSCOTT  
State: NEW YORK  
Zip Code: 11975
3. Period of Facility Ownership: 04/1940- PRESENT
4. Period of Facility Operation or Control: YEAR ROUND
5. Identities of Prior Facility Owners and Operators (to the extent available to current Owner/Operator): N/A
6. Is any Class B fire suppression foam currently stored and/or used at the Facility?  Yes  No

If yes, please provide all known information about the type of Class B fire suppression foam currently stored and/or used, including:

- a. Date of purchase: N/A
- b. Manufacturer and type of Class B fire suppression foam stored: N/A
- c. Quantity of Class B fire suppression foam stored: 3X 55GAL DRUMS
- d. % PFOS/A concentrate: N/A
- e. Method of storage: 55 GALLON DRUM
- f. Other relevant information:



7. Has any Class B fire suppression foam ever been stored and/or used at the Facility?  Yes  No  Unknown

If yes, please note:

- a. Dates of storage: CURRENTLY STORED
- b. Manufacturer and type of Class B fire suppression foam stored: N/A
- c. Quantity of Class B fire suppression foam stored: 3X 55 GAL
- d. % PFOS/A concentrate: N/A
- e. Method of storage: 55 GALLON DRUM
- f. Other relevant information:

8. Has Class B fire suppression foam ever been used for training purposes at the Facility?  Yes  No  Unknown

If yes, please note:

- a. Dates and frequency of training:
  - i. If exact information is not available, please provide an estimate:
    - 1. 1-10 times over 10 years
    - 2. 11-50 times over 10 years
    - 3. 50 or more times over 10 years
- b. Manufacturer and type of Class B fire suppression foam used in training:
- c. Quantity of Class B fire suppression foam used in training:
- d. Other relevant information:

9. Has Class B fire suppression foam ever been used for firefighting or other emergency response purposes at the Facility?  Yes  No  Unknown

If yes, please note:

- a. Date of emergency response:
  - i. If exact information is not available, please provide an estimate:
    - 1. 1-10 times over 10 years
    - 2. 11-50 times over 10 years
    - 3. 50 or more times over 10 years
- b. Manufacturer and type of Class B fire suppression foam used in firefighting or emergency response:
- c. Quantity of Class B fire suppression foam used in firefighting and emergency response:
- d. Other relevant information:



10. Has the Facility ever experienced a spill or leak of Class B fire suppression foam?  Yes  No  Unknown

If yes, please note:

- a. Date of spill/leak: [REDACTED]
  - i. If exact information is not available, please provide an estimate:
    - 1. 1-10 times over 10 years
    - 2. 11-50 times over 10 years
    - 3. 50 or more times over 10 years
- b. Manufacturer and type of Class B fire suppression foam spilled/leaked: [REDACTED]
- c. Quantity of Class B fire suppression foam spilled/leaked: [REDACTED]
- d. Other relevant information: [REDACTED]

11. Has your Facility ever been responsible for the use of Class B fire suppression foam at a location other than the Facility (i.e. offsite training, emergency response, or spill)?  Yes  No  Unknown

If yes, please note:

- a. Date of each offsite use: [REDACTED]
  - i. If exact information is not available, please provide an estimate:
    - 1. 1-10 times over 10 years
    - 2. 11-50 times over 10 years
    - 3. 50 or more times over 10 years
- b. Manufacturer and type of Class B fire suppression foam used: [REDACTED]
- c. Quantity of Class B fire suppression foam: [REDACTED]
- d. Other relevant information: [REDACTED]

Upon completing the survey you must place an "✓" in this box to certify the following:

**Certification.** I certify that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

JAMES BRUNDIGE

Name of person who completed and submitted responses to Survey (the legal owner, operator, or their representative authorized to complete and submit Survey)

AIRPORT DIRECTOR

Name and Official Title



200 DANIELS HOLE ROAD WAINSCOTT, NY 11975

Address

(631) 537-1130

Telephone Number

JBRUNDIGE@EHAMPTONNY.GOV

E-mail Address

03/02/2017

Date Certified or Signed

Clear Form

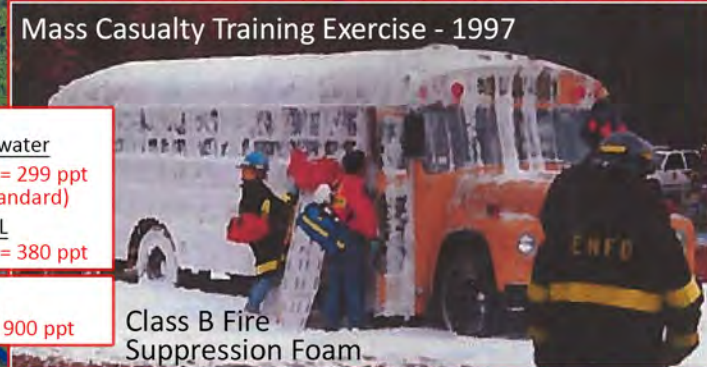


# East Hampton Airport PFAS Contamination (groundwater and soil)

Slide 30 of 46



**Plane Crash - 2012**  
"use of AFFF to extinguish fire"



**Mass Casualty Training Exercise - 1997**

**Class B Fire  
Suppression Foam**



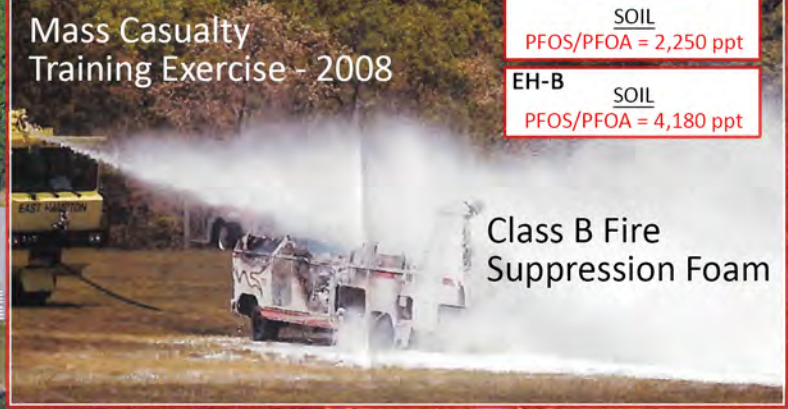
**Fuel Truck Engine Fire**

**Class B Fire  
Suppression Foam**



**Plane Crash  
1993**

**Class B Fire  
Suppression Foam**



**Mass Casualty  
Training Exercise - 2008**

**Class B Fire  
Suppression Foam**

**EH-19A**  
Fire Dept. Garage (Oshkosh T1500)  
Fire District Training Facility, Inc.  
Groundwater  
PFOS/PFOA = 145 ppt (2x EPA standard)  
SOIL: PFOS/PFOA = 4,080 ppt

**EH-19A2** Groundwater  
PFOS/PFOA = 174 ppt (2x EPA standard)  
SOIL: PFOS/PFOA = 370 ppt

**EH-19B1** SOIL  
PFOS/PFOA = 15,800 ppt

**EH-1** Groundwater  
**Fire Training Structure**  
Fire District Training, Inc.  
PFOS/PFOA = 162 ppt (2x EPA standard)  
SOIL: PFOS/PFOA = 10,180 ppt

**EH-B** SOIL  
PFOS/PFOA = 4,180 ppt

**EH-B1** Groundwater  
PFOS/PFOA = 287 ppt  
(4x EPA standard)  
SOIL  
PFOS/PFOA = 2,250 ppt

**EH-16** SOIL  
PFOS/PFOA = 900 ppt

**EH-162** Groundwater  
PFOS/PFOA = 299 ppt  
(4x EPA standard)  
SOIL  
PFOS/PFOA = 380 ppt

**EH-A1** SOIL  
PFOS/PFOA = 520 ppt



Storage of Class B Fire Suppression Foam at airport site.  
Dates of storage: CURRENTLY STORED Method of storage: 3X55 GALLON DRUM



**Department of  
Environmental  
Conservation**

**State Superfund Program**  
**Citizen Participation Plan**  
for  
**East Hampton Airport**

July 2020



**Department of  
Environmental  
Conservation**

**State Superfund Program**  
**Citizen Participation Plan**  
for  
**East Hampton Airport**

August 2020



# Wainscott PFAS Contamination (private drinking-water wells)

Slide 33 of 46

- PFOA Perfluorooctanoic Acid
- PFOS Perfluorooctanesulfonic Acid
- PFNA Perfluorononanoic Acid
- PFHxS Perfluorohexanesulfonic Acid
- PFHpA Perfluoroheptanoic Acid
- PFBS Perfluorobutanesulfonic Acid

Fire Dept. Garage (Oshkosh T1500)  
Fire District Training Facility, Inc.

East Hampton Airport  
owned by and an agency of  
Town of East Hampton

Fire Training Structure  
Fire District Training, Inc.

SHAW AERO DEVICES INC  
Griffiths Carpet  
Teflon Treatment

Highest Recorded Contamination  
for Combined PFOS / PFOA = 791

Contamination Double EPA Standard  
PFOA = 140 ppt  
PFOS = 5 ppt

Contamination Double EPA Standard  
PFOA = 160.0 ppt  
PFOS = 1.8 J

Contamination Double EPA Standard  
PFOS = 140 ppt, PFOA = 34 ppt  
(PFOS/PFOA = 174 ppt)

PFOA / PFOS = 174  
Exceeds EPA limit by: 2½ times  
PFOS = 140  
Exceeds NYS Std by: 14 times

PFOA / PFOS = 162  
Exceeds EPA limit by: 2½ times  
PFOA = 160  
Exceeds NYS Std by: 16 times

Deepwater Wind's  
Proposed Export Cable

PFHpA = 13.9 ng/L  
PFHpA = 12.1 ng/L  
PFHpA = 10.5 ng/L  
PFHpA = 10.5 ng/L  
PFHpA = 10.1 ng/L

PFNA = 672.0 ng/L  
PFNA = 513.0 ng/L  
PFNA = 502.0 ng/L  
PFNA = 22.6 ng/L  
PFNA = 12.8 ng/L

PFHxS = 45.7 ng/L  
PFHxS = 35.5 ng/L  
PFHxS = 12.5 ng/L

PFOA = 16.2 ng/L  
PFOA = 15.6 ng/L  
PFOA = 14.6 ng/L

PFOS = 32.4 ng/L  
PFOS = 31.9 ng/L  
PFOS = 30.1 ng/L  
PFOS = 16.6 ng/L

PFHxS = 83.1 ng/L  
PFHxS = 71.9 ng/L  
PFHxS = 71.8 ng/L

PFOS = 75.1 ng/L  
PFOS = 74.0 ng/L  
PFOS = 49.8 ng/L

PFOA = 82.8 ng/L  
PFOA = 76.7 ng/L  
PFOA = 70.3 ng/L

PFHxS = 17.1 ng/L  
PFHxS = 16.7 ng/L  
PFHxS = 13.1 ng/L  
PFHxS = 10.4 ng/L

PFOA = 14.5 ng/L  
PFOA = 14.4 ng/L

PFOS = 25.7 ng/L  
PFOS = 24.7 ng/L

PFHxS = 12.0 ng/L  
PFHxS = 11.2 ng/L

PFHpA = 46.1 ng/L  
PFHpA = 42.1 ng/L

PFOS = 38.8 ng/L  
PFOS = 33.0 ng/L  
PFOS = 28.8 ng/L  
PFOS = 25.4 ng/L  
PFOS = 8.5 ng/L  
PFOS = 7.8 ng/L  
PFOS = 6.3 ng/L  
PFOS = 4.5 ng/L

PFOA = 18.1 ng/L  
PFOA = 14.8 ng/L  
PFOA = 11.6 ng/L  
PFOA = 10.9 ng/L  
PFOA = 9.0 ng/L  
PFOA = 9.0 ng/L  
PFOA = 8.1 ng/L  
PFOA = 6.7 ng/L  
PFOA = 6.6 ng/L

Additional PFOS/PFOA Contamination reported on June 14, 2018

PFOS/PFOA = 791.0	PFOS/PFOA = 75.1	PFOS/PFOA = 37.0
PFOS/PFOA = 172.0	PFOS/PFOA = 72.4	PFOS/PFOA = 38.4
PFOS/PFOA = 158.0	PFOS/PFOA = 77.8	PFOS/PFOA = 56.0
PFOS/PFOA = 106.3	PFOS/PFOA = 70.2	PFOS/PFOA = 36.8
PFOS/PFOA = 106.8	PFOS/PFOA = 45.0	PFOS/PFOA = 35.2

PFOS/PFOA  
Combined = 168.4 ng/L  
Double US EPA Standard

PFOS = 124.0 ng/L  
PFOA = 44.4 ng/L

PFHxS = 224.0 ng/L  
PFHxS = 218.0 ng/L

PFHpA = 20.8 ng/L  
PFHpA = 20.2 ng/L

Additional PFOS/PFOA Contamination reported on June 14, 2018

PFOS/PFOA = 42.4	PFOS/PFOA = 18.8	PFOS/PFOA = 12.6
PFOS/PFOA = 37.7	PFOS/PFOA = 17.8	PFOS/PFOA = 11.9
PFOS/PFOA = 31.1	PFOS/PFOA = 17.6	PFOS/PFOA = 11.1
PFOS/PFOA = 29.7	PFOS/PFOA = 17.1	PFOS/PFOA = 11.0
PFOS/PFOA = 24.0	PFOS/PFOA = 16.4	PFOS/PFOA = 11.0
PFOS/PFOA = 23.8	PFOS/PFOA = 16.3	PFOS/PFOA = 10.6
PFOS/PFOA = 23.0	PFOS/PFOA = 16.1	PFOS/PFOA = 10.5
PFOS/PFOA = 22.0	PFOS/PFOA = 13.9	PFOS/PFOA = 9.9

PFHxS = 71.7 ng/L  
PFHxS = 14.1 ng/L

PFBS = 22.5 ng/L

PFHpA = 14.7 ng/L

PFOS = 14.1 ng/L  
PFOA = 4.3 ng/L

Over 150 homes  
are within ½ radius  
downgradient from  
East Hampton Airport

Key: Groundwater Flow Direction Overlay  
Source: Suffolk County Water Authority - Wainscott Water Distribution System Improvement Engineering Report (May 2018), Fig 10 at page 16

Prepared by  
Si Kinsella  
May 8, 2020

Source: Data represents 284 laboratory test results for drinking-water samples taken from wells within Wainscott from Aug 14, 2017 to Jan 31, 2018. Provided by SCDHS in response to a FOIL request together with information from the Site Characterization Report by AECOM prepared for the NYS DEC dated November 30, 2018 and data from SCDHS email of June 14, 2018. Data compiled by Si Kinsella (Nov 13, 2019).





EH-19A1

EH-19A

EH-19A2

EH-19B

EH-19B1

EH-1

EH-10

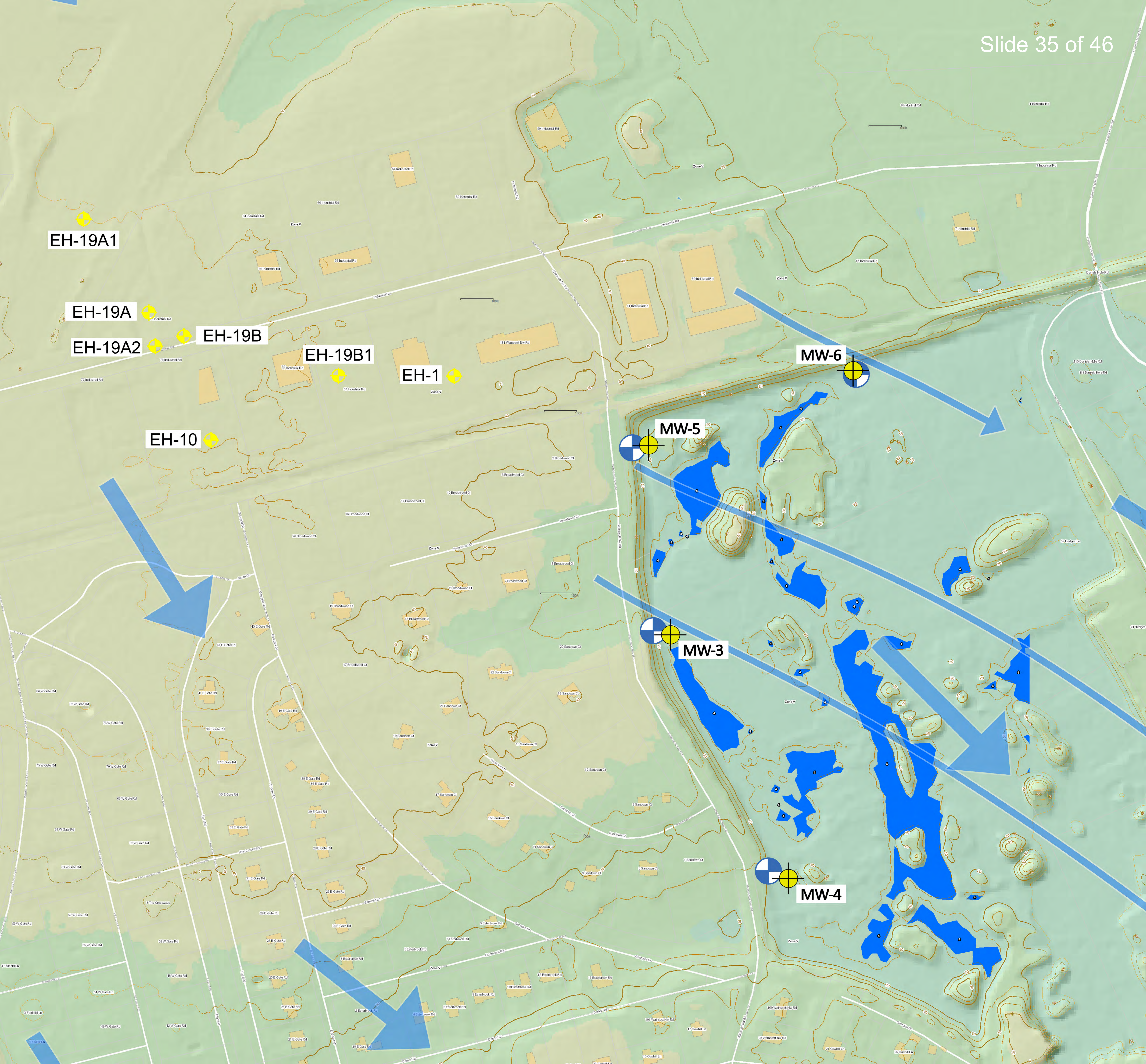
MW-5

MW-6

MW-3

MW-4







EH-19A		
Analytes	Concentration (ng/g)	
	5/4/2018	
	0-1'	31-32'
<b>PFOS</b> <b>3,900 ppt</b>		
Perfluorooctane sulfonic acid (PFOS)	3.9	.18 U
Perfluorooctanoic acid (PFOA)	.18 U	.19 U

EH-19B1		
Analytes	Concentration (ng/g)	
	8/9/2018	
	0-1'	
<b>PFOS - 12,000 ppt</b> <b>PFHxS - 3,800 ppt</b> <b>PFOA - 3,800 ppt</b>		
Perfluorooctane sulfonic acid (PFOS)	12	
Perfluorooctanoic acid (PFOA)	3.8	

EH-1		
Analytes	Concentration (ng/g)	
	5/1/2018	
	0-1'	32-33'
<b>PFOS - 10,000 ppt</b> <b>PFHxS - 730 ppt</b> <b>PFOA - 160 ppt</b>		
Perfluorooctane sulfonic acid (PFOS)	10	.19 J
Perfluorooctanoic acid (PFOA)	.18 U	.18 U

EH-19A1

EH-19A

EH-19A2

EH-19B

EH-19B1

EH-1

EH-10

MW-5

MW-6

MW-3

MW-4





EH-19A		
Analytes	Concentration (ng/g)	
	5/4/2018	
<b>PFOS</b>	<b>3,900 ppt</b>	
Perfluorooctane sulfonic acid (PFOS)	3.9	.18 U
Perfluorooctanoic acid (PFOA)	.18 U	.19 U

EH-19B1		
Analytes	Concentration (ng/g)	
	8/9/2018	
<b>PFOS - 12,000 ppt</b>		
<b>PFHxS - 3,800 ppt</b>		
<b>PFOA - 3,800 ppt</b>		
Perfluorooctane sulfonic acid (PFOS)	12	
Perfluorooctanoic acid (PFOA)	3.8	

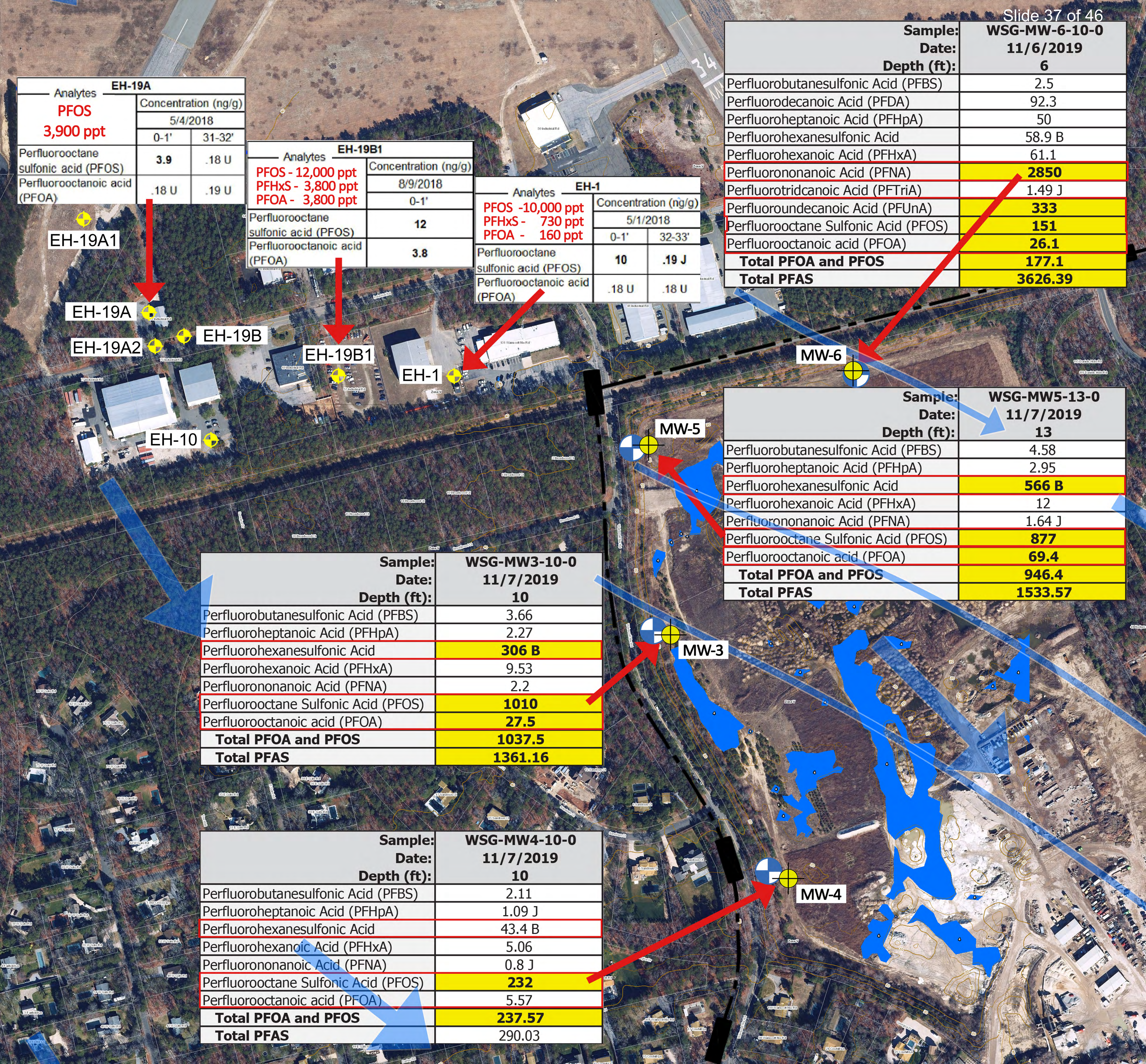
EH-1		
Analytes	Concentration (ng/g)	
	5/1/2018	
<b>PFOS - 10,000 ppt</b>		
<b>PFHxS - 730 ppt</b>		
<b>PFOA - 160 ppt</b>		
Perfluorooctane sulfonic acid (PFOS)	10	.19 J
Perfluorooctanoic acid (PFOA)	.18 U	.18 U

Sample:	WSG-MW-6-10-0
Date:	11/6/2019
Depth (ft):	6
Perfluorobutanesulfonic Acid (PFBS)	2.5
Perfluorodecanoic Acid (PFDA)	92.3
Perfluoroheptanoic Acid (PFHpA)	50
Perfluorohexanesulfonic Acid	58.9 B
Perfluorohexanoic Acid (PFHxA)	61.1
Perfluorononanoic Acid (PFNA)	<b>2850</b>
Perfluorotridcanoic Acid (PFTriA)	1.49 J
Perfluoroundecanoic Acid (PFUnA)	<b>333</b>
Perfluorooctane Sulfonic Acid (PFOS)	<b>151</b>
Perfluorooctanoic acid (PFOA)	<b>26.1</b>
<b>Total PFOA and PFOS</b>	<b>177.1</b>
<b>Total PFAS</b>	<b>3626.39</b>

Sample:	WSG-MW5-13-0
Date:	11/7/2019
Depth (ft):	13
Perfluorobutanesulfonic Acid (PFBS)	4.58
Perfluoroheptanoic Acid (PFHpA)	2.95
Perfluorohexanesulfonic Acid	<b>566 B</b>
Perfluorohexanoic Acid (PFHxA)	12
Perfluorononanoic Acid (PFNA)	1.64 J
Perfluorooctane Sulfonic Acid (PFOS)	<b>877</b>
Perfluorooctanoic acid (PFOA)	<b>69.4</b>
<b>Total PFOA and PFOS</b>	<b>946.4</b>
<b>Total PFAS</b>	<b>1533.57</b>

Sample:	WSG-MW3-10-0
Date:	11/7/2019
Depth (ft):	10
Perfluorobutanesulfonic Acid (PFBS)	3.66
Perfluoroheptanoic Acid (PFHpA)	2.27
Perfluorohexanesulfonic Acid	<b>306 B</b>
Perfluorohexanoic Acid (PFHxA)	9.53
Perfluorononanoic Acid (PFNA)	2.2
Perfluorooctane Sulfonic Acid (PFOS)	<b>1010</b>
Perfluorooctanoic acid (PFOA)	<b>27.5</b>
<b>Total PFOA and PFOS</b>	<b>1037.5</b>
<b>Total PFAS</b>	<b>1361.16</b>

Sample:	WSG-MW4-10-0
Date:	11/7/2019
Depth (ft):	10
Perfluorobutanesulfonic Acid (PFBS)	2.11
Perfluoroheptanoic Acid (PFHpA)	1.09 J
Perfluorohexanesulfonic Acid	43.4 B
Perfluorohexanoic Acid (PFHxA)	5.06
Perfluorononanoic Acid (PFNA)	0.8 J
Perfluorooctane Sulfonic Acid (PFOS)	<b>232</b>
Perfluorooctanoic acid (PFOA)	5.57
<b>Total PFOA and PFOS</b>	<b>237.57</b>
<b>Total PFAS</b>	290.03



EH-19A1

EH-19A

EH-19A2

EH-19B

EH-19B1

EH-1

EH-10

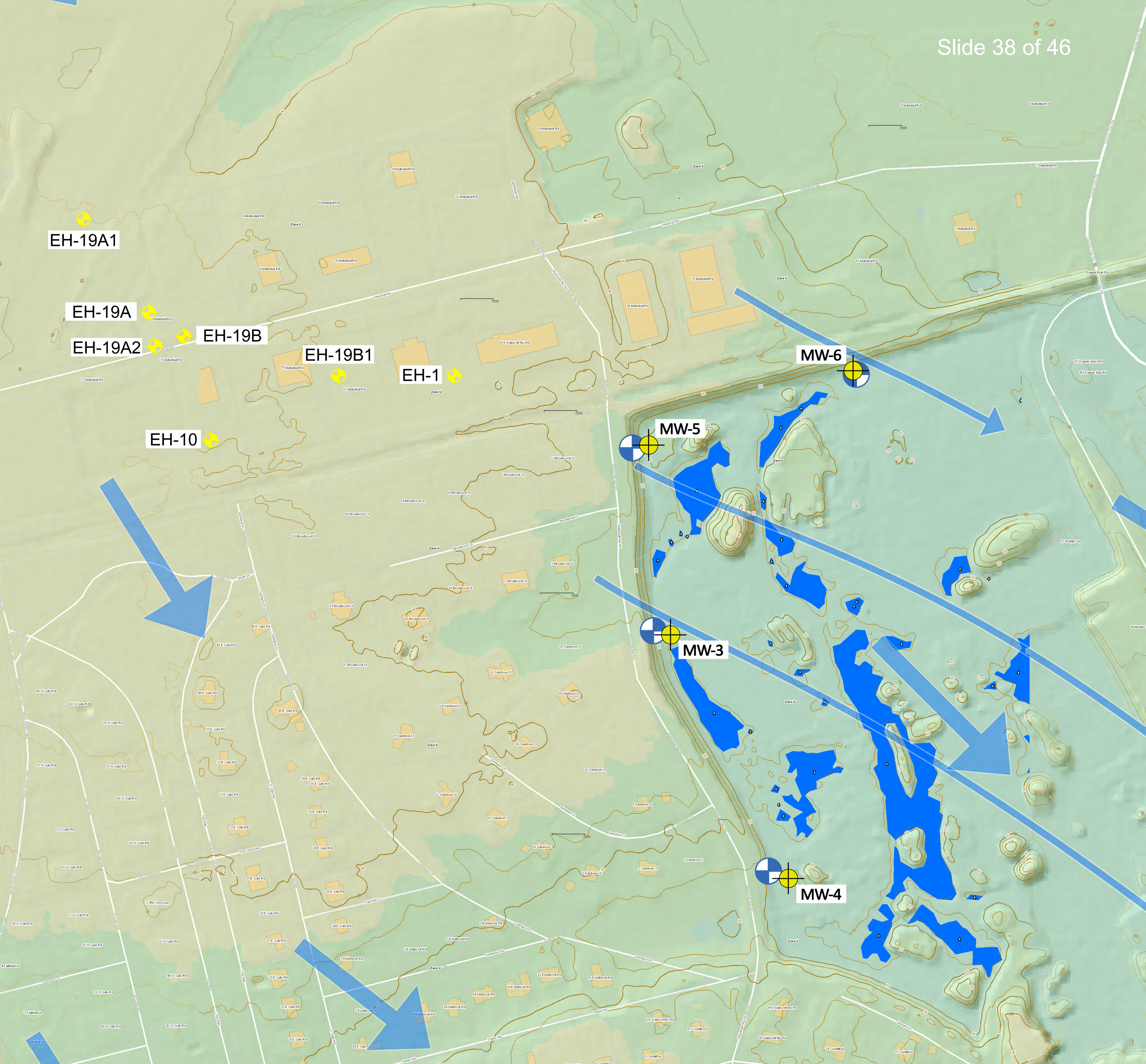
MW-5

MW-6

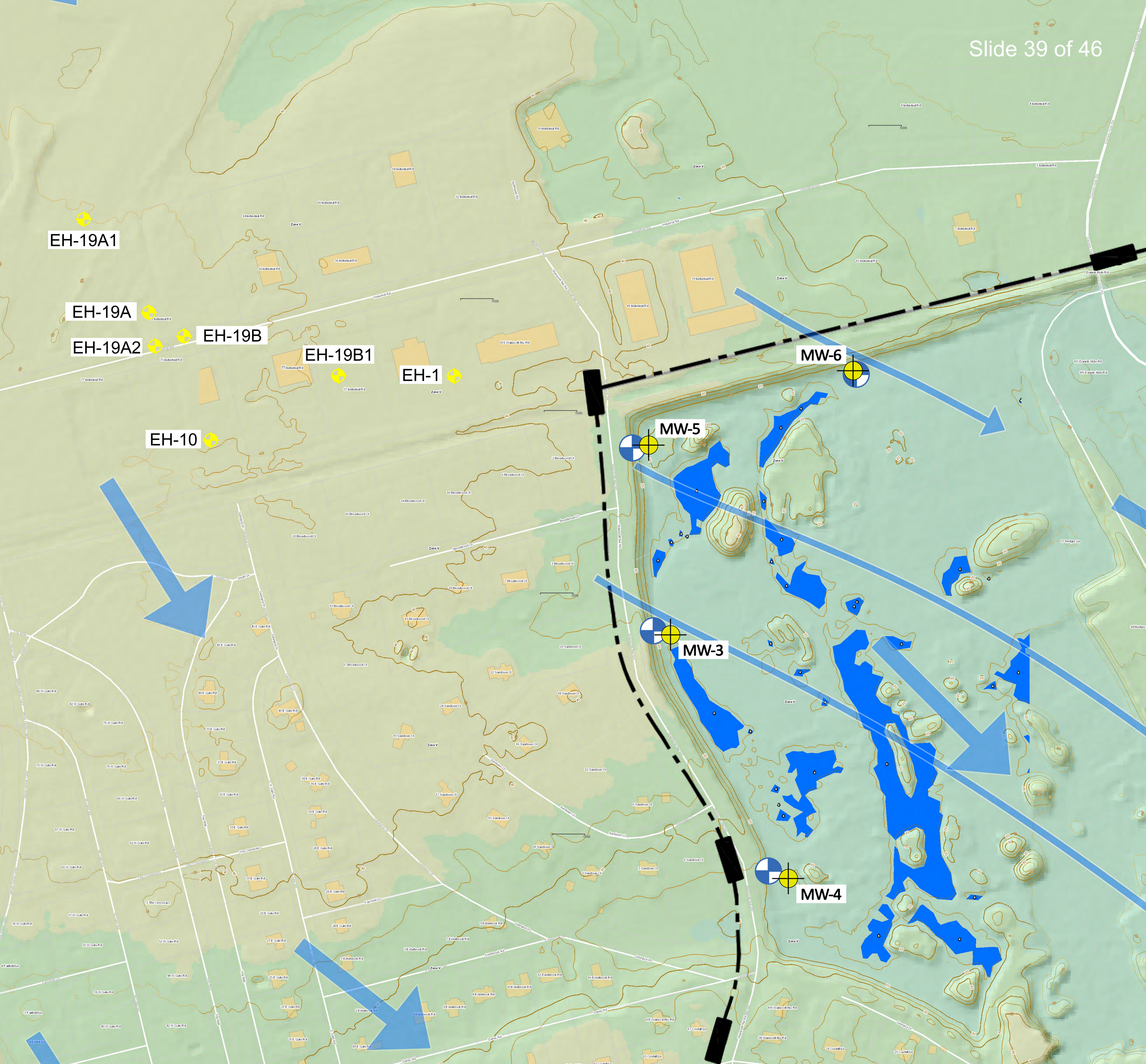
MW-3

MW-4











EH-19A1

EH-19A

EH-19A2

EH-19B

EH-19B1

EH-1

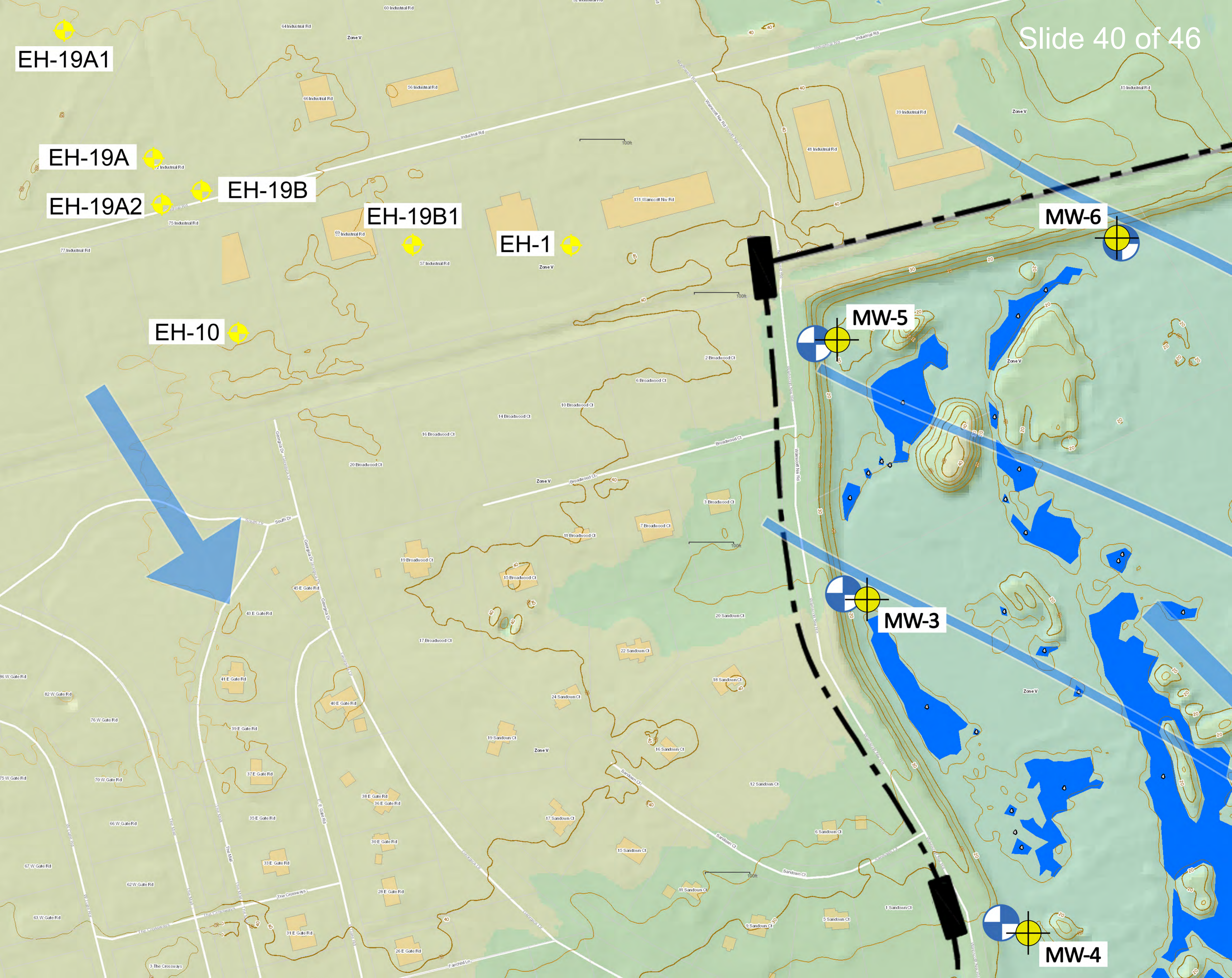
EH-10

MW-5

MW-6

MW-3

MW-4





EH-19A1

EH-19A

EH-19A2

EH-19B

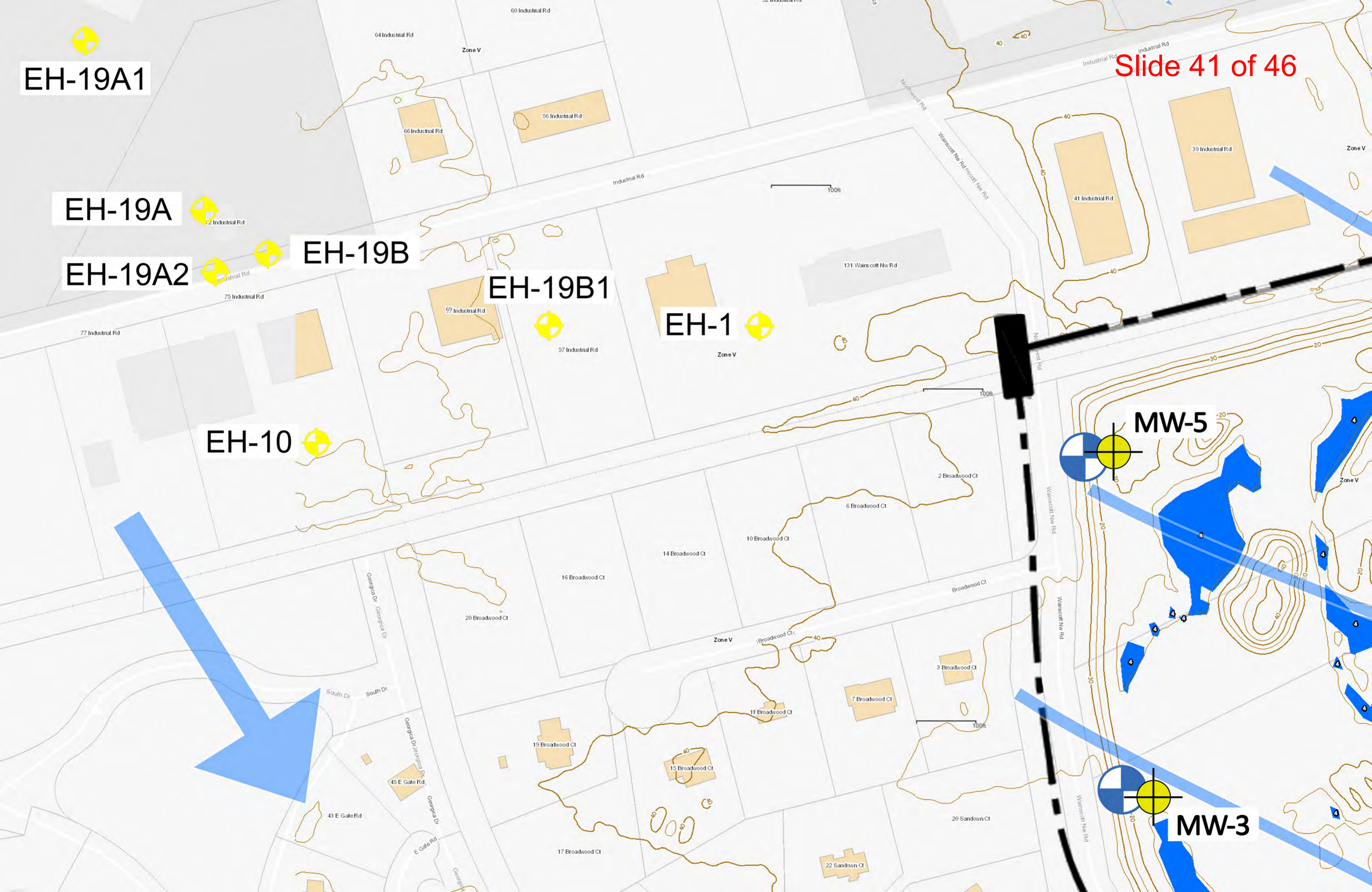
EH-19B1

EH-1

EH-10

MW-5

MW-3





**EH-1**



131 Wainscott Nw Rd

41 Industrial Rd

39 Industrial Rd

Zone V

Zone V

**MW-5**



2 Broadwood Ct

6 Broadwood Ct

10 Broadwood Ct

14 Broadwood Ct

Broadwood Ct

Zone V





**EH-1**

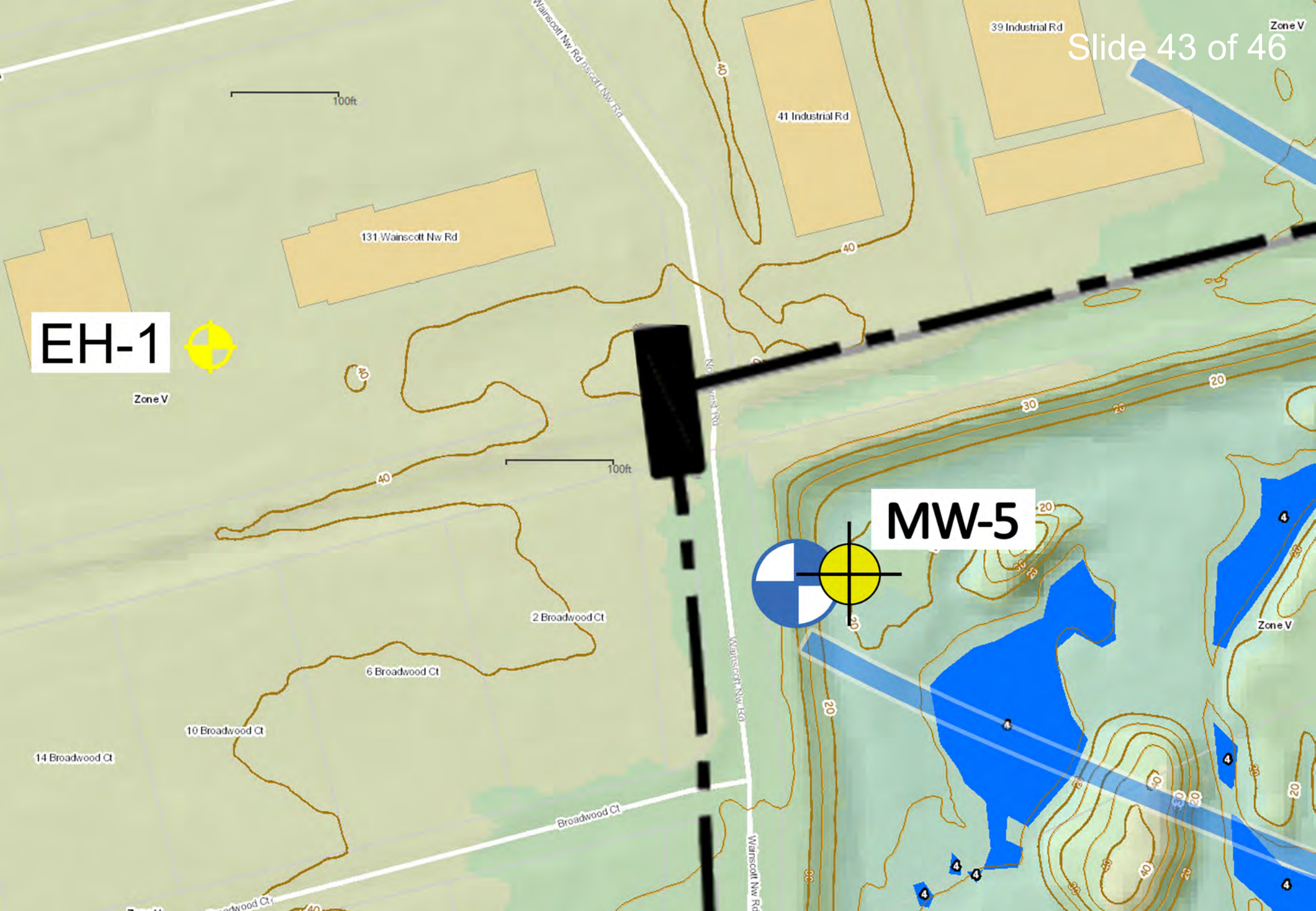


Zone V

**MW-5**



Zone V





**EH-1**

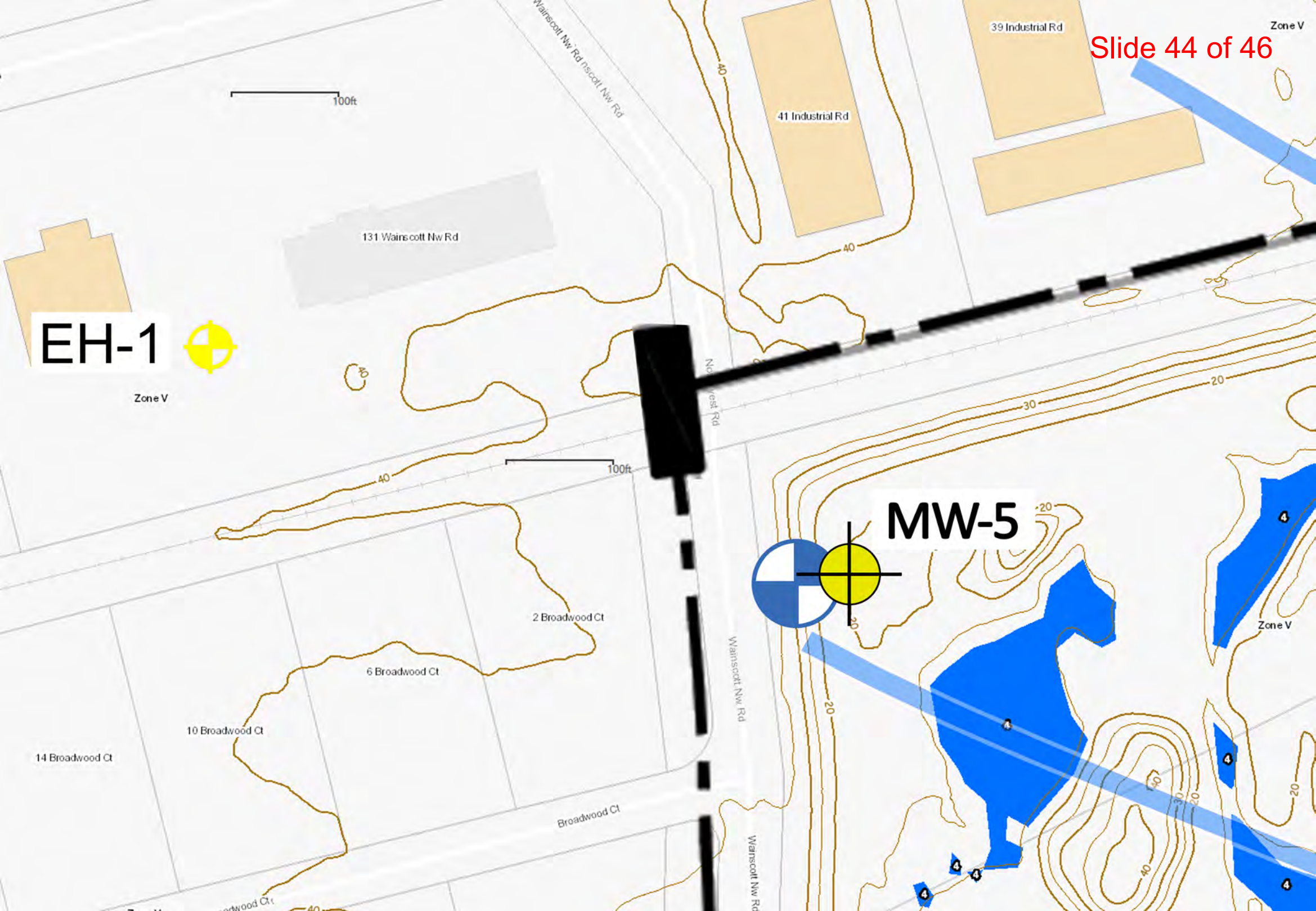


Zone V

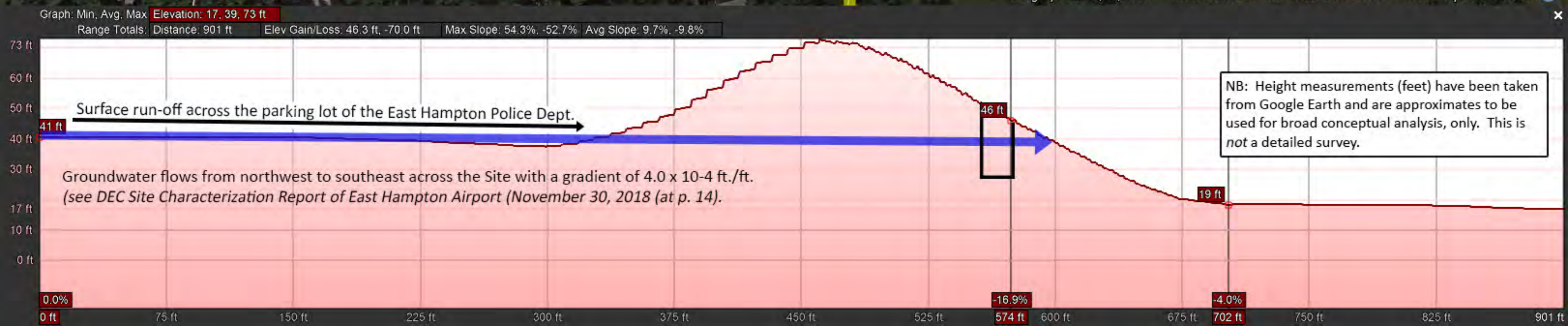
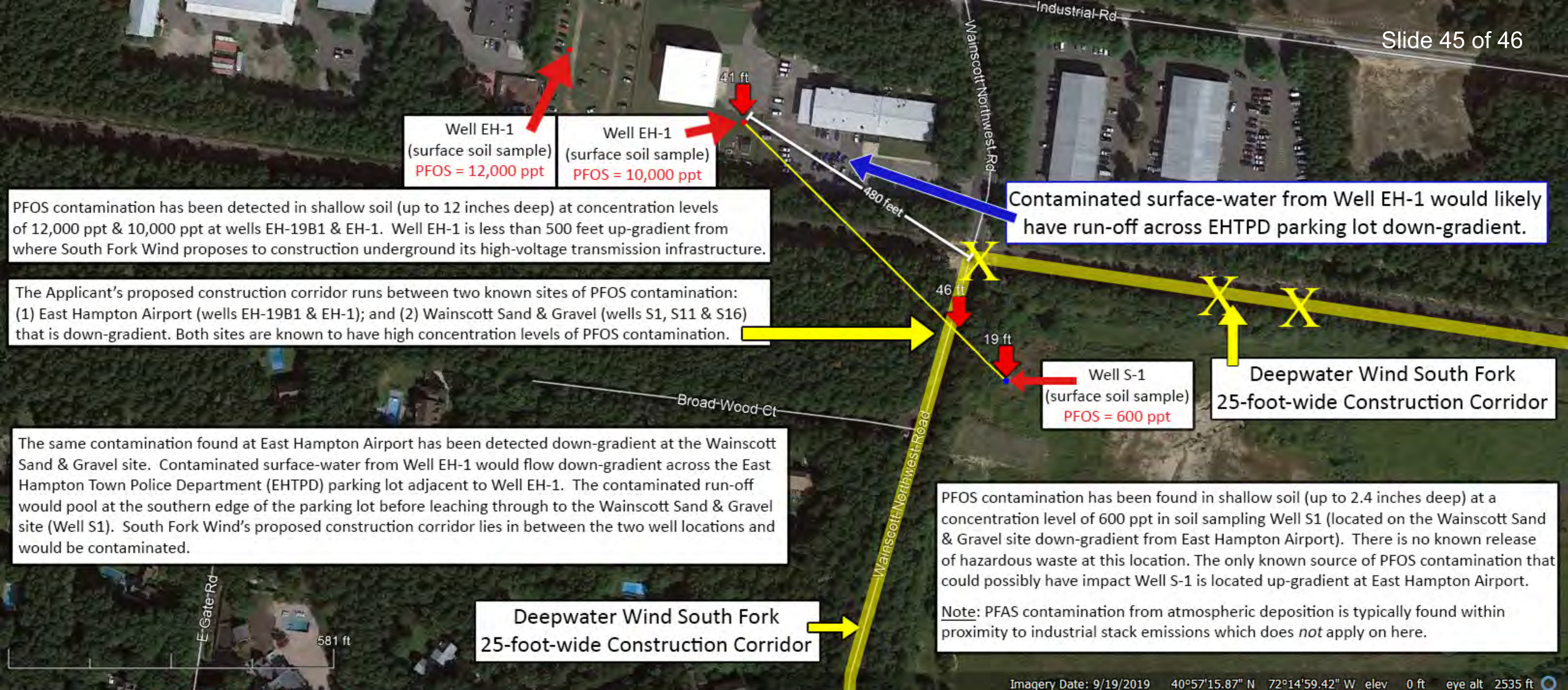
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Zone V







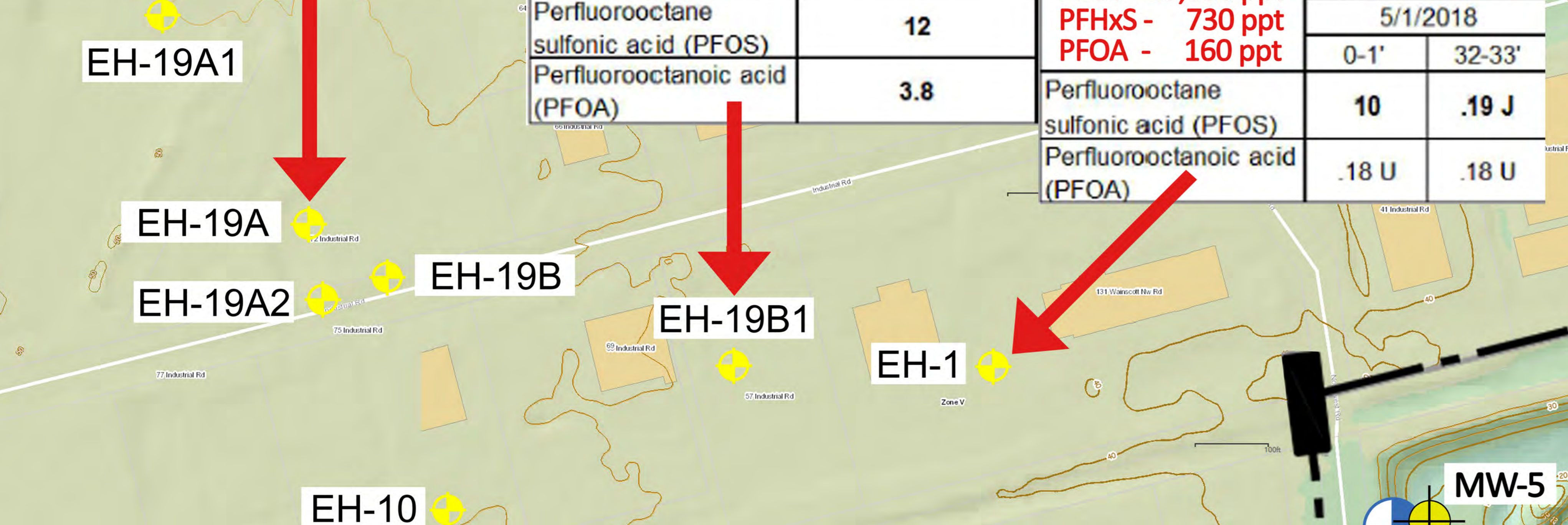


EH-19A		
Analytes	Concentration (ng/g)	
	5/4/2018	
	0-1'	31-32'
<b>PFOS</b> <b>3,900 ppt</b>		
Perfluorooctane sulfonic acid (PFOS)	3.9	.18 U
Perfluorooctanoic acid (PFOA)	.18 U	.19 U

EH-19B1		
Analytes	Concentration (ng/g)	
	8/9/2018	
	0-1'	
<b>PFOS - 12,000 ppt</b> <b>PFHxS - 3,800 ppt</b> <b>PFOA - 3,800 ppt</b>		
Perfluorooctane sulfonic acid (PFOS)	12	
Perfluorooctanoic acid (PFOA)	3.8	

EH-1		
Analytes	Concentration (ng/g)	
	5/1/2018	
	0-1'	32-33'
<b>PFOS - 10,000 ppt</b> <b>PFHxS - 730 ppt</b> <b>PFOA - 160 ppt</b>		
Perfluorooctane sulfonic acid (PFOS)	10	.19 J
Perfluorooctanoic acid (PFOA)	.18 U	.18 U

Sample:	<b>WSG-MW-6-10-0</b>
Date:	<b>11/6/2019</b>
Depth (ft):	<b>6</b>
Perfluorobutanesulfonic Acid (PFBS)	2.5
Perfluorodecanoic Acid (PFDA)	92.3
Perfluoroheptanoic Acid (PFHpA)	50
Perfluorohexanesulfonic Acid	58.9 B
Perfluorohexanoic Acid (PFHxA)	61.1
Perfluorononanoic Acid (PFNA)	<b>2850</b>
Perfluorotridcanoic Acid (PFTriA)	1.49 J
Perfluoroundecanoic Acid (PFUnA)	<b>333</b>
Perfluorooctane Sulfonic Acid (PFOS)	<b>151</b>
Perfluorooctanoic acid (PFOA)	<b>26.1</b>
<b>Total PFOA and PFOS</b>	<b>177.1</b>
<b>Total PFAS</b>	<b>3626.39</b>



Sample:	<b>WSG-MW5-13-0</b>
Date:	<b>11/7/2019</b>
Depth (ft):	<b>13</b>
Perfluorobutanesulfonic Acid (PFBS)	4.58
Perfluoroheptanoic Acid (PFHpA)	2.95
Perfluorohexanesulfonic Acid	<b>566 B</b>
Perfluorohexanoic Acid (PFHxA)	12
Perfluorononanoic Acid (PFNA)	1.64 J
Perfluorooctane Sulfonic Acid (PFOS)	<b>877</b>
Perfluorooctanoic acid (PFOA)	<b>69.4</b>
<b>Total PFOA and PFOS</b>	<b>946.4</b>
<b>Total PFAS</b>	<b>1533.57</b>

Sample:	<b>WSG-MW3-10-0</b>
Date:	<b>11/7/2019</b>
Depth (ft):	<b>10</b>
Perfluorobutanesulfonic Acid (PFBS)	3.66
Perfluoroheptanoic Acid (PFHpA)	2.27
Perfluorohexanesulfonic Acid	<b>306 B</b>
Perfluorohexanoic Acid (PFHxA)	9.53
Perfluorononanoic Acid (PFNA)	2.2
Perfluorooctane Sulfonic Acid (PFOS)	<b>1010</b>
Perfluorooctanoic acid (PFOA)	<b>27.5</b>
<b>Total PFOA and PFOS</b>	<b>1037.5</b>
<b>Total PFAS</b>	<b>1361.16</b>

Sample:	<b>WSG-MW4-10-0</b>
Date:	<b>11/7/2019</b>
Depth (ft):	<b>10</b>
Perfluorobutanesulfonic Acid (PFBS)	2.11
Perfluoroheptanoic Acid (PFHpA)	1.09 J
Perfluorohexanesulfonic Acid	43.4 B
Perfluorohexanoic Acid (PFHxA)	5.06
Perfluorononanoic Acid (PFNA)	0.8 J
Perfluorooctane Sulfonic Acid (PFOS)	<b>232</b>
Perfluorooctanoic acid (PFOA)	5.57
<b>Total PFOA and PFOS</b>	<b>237.57</b>
<b>Total PFAS</b>	290.03

