

**Case 18-T-0604 - Application of Deepwater Wind South Fork, LLC**  
for a Certificate of Environmental Compatibility and Public Need for the Construction of Approximately 3.5 Miles of Submarine Export Cable from the New York State Territorial Waters Boundary to the South Shore of the Town of East Hampton in Suffolk County and Approximately 4.1 Miles of Terrestrial Export Cable from the South Shore of the Town of East Hampton to an Interconnection Facility with an Interconnection Cable Connecting to the Existing East Hampton Substation in the Town of East Hampton, Suffolk County.

### **Interrogatory/Document Request**

**Publically available information. Not to be restricted to settlement negotiations.**

<b>Request Number:</b>	Si Kinsella #11
<b>Request Title:</b>	PFAS & Other Contamination – Shaw Aero
<b>Addressed To:</b>	NYS Dept. of Environmental Conservation
<b>From:</b>	Simon Kinsella
<b>Date of Request:</b>	January 13, 2020

### **Background**

New York State Department of Environmental Conservation (NYS DEC) failed to test contamination concentration levels at a probable source of significant PFAS contamination and a possible source of other contamination in its Site Characterization Report, East Hampton Airport, published November 30, 2018. This source of contamination is adjacent to and immediately north of the Beach Lane Route A Cable Corridor where Deepwater Wind South Fork, LLC (the Applicant) proposes to run its 138-kilovolt export cables (please see Appendices A and B).

Shaw Aero Devices, Inc/Shaw Aero Development, Inc/Shaw Aero Development, LLC (collectively referred to as “Shaw Aero”) manufactured parts for commercial, military, construction and mining vehicles and aircraft from the mid-to-late 1950’s through to 1993 (please see Appendices A, F and G).

According to National Biennial RCRA Hazardous Waste Report published by Environmental Protection Agency (EPA) for two years (1991 and 1993), Shaw Aero generated over 42 tons of hazardous waste (please see Appendices A and E).

The former Shaw Aero site is located at or near number 39 Industrial Road in Wainscott and adjacent to and immediately north of the Applicant's preferred Beach Lane Route A Cable Corridor (please see Appendices A, C and D at pages 2, 9 and 11).

The groundwater near the former Shaw Aero site generally flows from the northwest to the southeast. Please see Appendices A and B (Fig 10 at page 16). Contamination from this site would flow generally from the former Shaw Aero facility in a south-easterly direction towards the Applicant’s preferred Beach Lane Route A Cable Corridor.

## **List of Appendices**

Please see the following documents (attached) –

Appendix A – Info Graphic based on NYS DEC’s Site Characterization Report, East Hampton Airport, published November 30, 2018 (see Fig 8) prepared by Si Kinsella (Jan 12, 2020).  
**Page 4**

Appendix B – NYS DEC’s Site Characterization Report, East Hampton Airport, prepared by AECOM, published November 30, 2018 (pages 1-35, only).  
**Page 5**

To download the complete Site Characterization Report, please click on the following link –

[DEC Site Characterization Report, East Hampton Airport \(pages 1-268\)](#)

Appendix C – Wainscott Water Distribution System Improvement Engineering Report by Suffolk County Water Authority (see Fig 10 at page 16)  
**Page 34**

Appendix D – EPA FRS Facility Detail Report for Shaw Aero devices, Inc (ID: 11017238130)  
**Page 57**

Appendix E – EDR Radius Map for Stephen Hands Path Wells Nos. 1 & 2 (at pp. 2, 9 and 11).  
**Page 61**

Appendix F – EPA National Biennial RCRA Hazardous Waste Report: Based on data from 1991 and 1993  
**Page 75**

Appendix G – About Shaw Arrow Development, LLC (source: [www.ShawParts.com](http://www.ShawParts.com))  
**Page 77**

Appendix H – NYS Department of State, Division of Corporations, Entity Information – Shaw Aero Development, Inc.  
**Page 80**

## **Information Request**

- 1) Has NYS DEC tested soil and/or groundwater for PFAS contamination or for any other contamination at the former Shaw Aero site on industrial Road in Wainscott? If NYS DEC tested soil and/or groundwater for contamination, please provide all laboratory test results and any report(s) based on said test results.
  
- 2) Has NYS DEC performed any analysis on soil and/or groundwater at the former Shaw Aero site on industrial Road in Wainscott? If NYS DEC performed any analysis on soil and/or groundwater, please provide the analysis and any report(s) based on said analysis.

- 4) Has NYS DEC endeavoured to “find and determine ... the nature of the probable environmental impact”<sup>1</sup> from contamination at the former Shaw Aero site? If NYS DEC has endeavoured to find and determine the nature of such environmental impact, please provide documentary evidence supporting NYS DEC’s findings and determinations.
  
  - 5) Has NYS DEC considered any environmental impact at the former Shaw Aero site? If NYS DEC has considered such environmental impact, please provide documentary evidence supporting NYS DEC’s considerations.
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**Response:**

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<sup>1</sup> NY CLS Public Service Law § 126 (1)(b)

# Appendix A

## LEGEND

- MONITORING WELL / PIEZOMETER
- SOIL BORING
- CATCH BASIN
- TAP LOCATION
- AREA OF CONCERN (AOC)

Base map and well locations were taken from NYS DEC's Site Characterization Report, East Hampton Airport, prepared by AECOM, published November 30, 2018 (see Report, Figure 8)


**EPA RCRA Hazardous Waste**

1993 NYD013518477 SHAW AERO DEVICES INC WAINSCOTT 12.527

1991 NYD013518477 SHAW AERO WAINSCOTT 29.501

Shaw Aero Devices/Development manufactured lift and turn technology fuel caps for commercial, military, construction and mining vehicles, including vehicle fast-fueling systems to minimized burst fuel tanks and/or over-filling the tanks causing wasteful ground-fuel spillage. In two years (1991 and 1993), Shaw Aero generated over 42 tons of hazardous waste (according to EPA National Biennial RCRA, Hazardous Waste Reports).

**HAZARDOUS WASTE TONS**





**Griffiths Carpet**  
AND UPHOLSTERY CLEANERS

Griffiths Carpets used a Teflon-treatment process, a known source of PFAS contamination, to make carpets stain-resistant and water-repellant. Up until 2018/2019, Griffiths Carpets was located at 39 Industrial Road, but since has moved to another location on Montauk Highway.

The site located at 39 Industrial Road (below) was not tested for PFAS contamination by NYS DEC in its Site Characterization Report prepared by AECOM (Nov 30, 2018). A former tenant since 1954, Shaw Aero Devices/Development, manufactured aircraft parts and another tenant, Griffiths Carpet, commercially treated carpets with Teflon. Both companies would have used PFAS's, extensively. This site is owned by the Town of East Hampton and is adjacent to and north of Deepwater Wind's proposed route for its 138 kV export cable.

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

**Deepwater Wind's Proposed Export Cable**  
(SUFFOLK COUNTY WELL)

**Proposed Splicing Vaults**  
(L=26½ ft, W=9½ ft, D=11½ ft)

**Proposed Splicing Vaults**  
(L=26½ ft, W=9½ ft, D=11½ ft)

Appendix A

# Appendix B

## Site Characterization Report

East Hampton Airport  
Wainscott, Suffolk County, New York

New York State Department of Environmental Conservation  
Division of Environmental Remediation

November 30, 2018

### Quality information

Prepared by	Checked by	Verified by	Approved by
Alexandra Golden and Caroline Bardwell, CPG, CHMM	Lindsay Mitchell, P.E. Project Manager	Daniel Servetas, P.E. Certifying Engineer	Lindsay Mitchell, P.E. Project Manager

### Revision History

Revision	Revision date	Details	Authorized	Name	Position
1	12/11/2018	Appendix C – Soil Boring Logs only	12/11/2018	Lindsay Mitchell	AECOM Project Manager

### Distribution List

# Hard Copies	PDF Required	Association / Company Name

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Appendix C	Soil Boring Logs
Appendix D	Groundwater Sampling Logs
Appendix E	Data Usability Summary Reports
Appendix F	Suffolk County Groundwater PFAS Data



## List of Acronyms and Abbreviations

AFFF	aqueous film-forming foam
AOC	Area of Concern
ARFF	Aircraft Rescue and Firefighting
bgs	below ground surface
COC	chain of custody
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
ft.	foot/feet
GPR	ground penetrating radar
HAL	US EPA Health Advisory Level
I.D.	inside diameter
IDW	investigation-derived waste
MS/MSD	matrix spike/matrix spike duplicate
MW	monitoring well
ng/g	nanograms per gram
ng/L	nanograms per liter (parts per trillion)
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PFAS	per- and polyfluoroalkyl substances
PFC	perfluorinated compound
PFOA	perfluorooctanoic acid
PFOS	perfluorooctane sulfonate
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
SC	site characterization
SCDHS	Suffolk County Department of Health Services
SCR	Site Characterization Report
SOW	scope of work
US EPA	United States Environmental Protection Agency
VOC	volatile organic compound

## Site Characterization Report Certification

I, Daniel Servetas, certify that I am currently a NYS registered professional engineer as defined in 6 NYCRR Part 375 and that this Site Characterization Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Respectfully submitted,  
AECOM Technical Services Northeast, Inc.

  November 30, 2018

Daniel Servetas  
Registered Professional Engineer  
New York License No. 079068

Date

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# 1. Introduction

This Site Characterization Report (SCR) documents the findings of the 2018 site characterization (SC) completed by AECOM USA, Inc. at the East Hampton Airport in Long Island, New York on behalf of the New York State Department of Environmental Conservation (NYSDEC). The purpose of the SC was to identify the presence or absence of per- and polyfluoroalkyl substances (PFAS) contamination so that a determination could be made as to whether the site poses a significant threat to public health and/or the environment that warrants further investigation or remedial action. As a group, PFAS are chemicals with broad application, primarily in the manufacture of commercial products that resist heat or chemical reactions and repel oil, stains, grease and water. Perfluorooctanoic acid (PFOA) is a specific PFAS compound found in various industrial products (aerospace, automotive, building, and electronics industries) that is commonly used in nonstick cookware, stain-resistant carpeting and fabrics, and paper and cardboard. PFOA was also used in some formulations of aqueous film-forming foam (AFFF), a common and effective firefighting agent. Perfluorooctane sulfonic acid (PFOS) is the primary PFAS compound used in firefighting foam. This SC was undertaken due to the documented presence of AFFF at the East Hampton Airport for firefighting and fire training activities, either currently or historically, and the associated potential for chemical discharge at concentrations that could present a risk for public health or the environment. Site characterization activities were performed between April and September 2018. The remainder of this section outlines the Site Description, Site Background, SC Objectives, Scope of Work, Report Organization and Regulatory Framework.

## 1.1 Site Location

The approximately 610-acre Site (Draft Master Plan Report, Savik & Murray, LLP, April 2007) is located at 200 Daniels Hole Road in the hamlet of Wainscott in Suffolk County, New York (Figure 1), approximately 3.4 miles west of the Village of East Hampton on the South Fork of Long Island. The Site, owned by the Town of East Hampton, includes the airport and the East Hampton Industrial Park at the southern end of the airport along Industrial Road. Various commercial/industrial businesses lease the buildings from the owner. Coordinates for the approximate center of the Site are 40°57'37.2" N, 72°15'03.7" W. The nearest residential properties are located south of the Site beyond the railroad tracks and there are additional residential parcels to the west on Town Line Road. At the time of the SC field activities, a majority of the nearby residences obtained their potable water from private groundwater wells. The public water supply network is currently being expanded to service these homes.

The Atlantic Ocean lies to the south of Wainscott; the Village of Sagaponack is located to the west; and the Village of East Hampton is to the east. Other communities that border Wainscott are East Hampton and Northwest Harbor to the northeast, the village of Sag Harbor to the north, and Noyack and Bridgehampton to the west (north of Sagaponack).

The airport property is zoned Commercial/Industrial according to the Town zoning map. Surrounding properties are used for residential and commercial purposes with areas of open, unoccupied land.

## 1.2 Site Background

Originally built in the late 1930s, the airport is capable of handling small general aviation aircraft. The site property consists of a public use airport with a parking lot, airport terminal and various support buildings. Additionally, several parcels to the south of the airfield are leased for commercial/industrial and public service tenants. The public service tenants include the East Hampton Fire District Training Facility, the Aircraft Rescue and Firefighting (ARFF) facility, and the East Hampton Police.

In the fall of 2017, the Suffolk County Water Authority initiated a drinking water investigation for PFAS, which included sampling private water supply wells and the installation of monitoring wells. Several residences in East Hampton had detectable levels of PFAS contaminants in their well water, with the highest concentrations exhibited at houses situated in close proximity (south/southwest) to the airport property. The Site has not previously been investigated for the presence of PFAS.

### 1.3 Site Characterization Objectives

The objective of the SC was to determine if the Site has the potential to be a significant threat to public health and/or the environment. The findings of this investigation are necessary to evaluate the need for further action or investigation.

### 1.4 Scope of Work

In general, the final scope of work (SOW) for SC included the following tasks:

- Site Review: Identify potential historical events with AFFF use, such as training events, plane/car crashes on airport property where AFFF was applied, as well as current/former AFFF storage areas. Select proposed sample locations with final placement to be established during site visits
- Preliminary Activities: Attend on-site meeting with NYSDEC personnel to discuss proposed sampling locations based on research findings. Solicit subcontractor bids, formalize budget, and prepare health and safety plan
- Mobilization/Utility Clearance: Mark proposed temporary monitoring well (MW) locations on-site; conduct public and private utility markout of proposed locations and adjust as necessary
- Drinking Water Screening: Collect tap water samples at hangar spaces leased by the airport to private tenants and submit for PFAS laboratory analysis
- Drilling Program (two phases): Advancement and continuous sampling of soil borings, collection and analysis of soil samples near ground surface and above the water table, placement of polyvinyl chloride (PVC) well screen in temporary MWs for future sampling
- Groundwater Monitoring Program (two phases): Gauge water level at all temporary MWs and piezometers to calculate groundwater elevation, collect groundwater samples for PFAS laboratory analysis at temporary wells and Suffolk County Water Authority well MW-10
- Surface water/Sediment Sampling: Collect surface water sample at a catch basin near EH-A and corresponding sediment sample, if possible
- Survey: Oversee land survey activities

### 1.5 Report Organization

This SCR is organized into the following Sections, followed by Figures, Tables, and Appendices:

- Section 1: includes background information and a synopsis of Site characteristics and the SOW.
- Section 2: includes a description of activities that occurred during each phase of the SC fieldwork.
- Section 3: includes a description of the subsurface conditions at the Site.
- Section 4: includes a description and summary of the analytical results for samples collected during SC activities.
- Section 5: describes the SC findings, presents conclusions, and summarizes recommendations for further action, if proposed.

### 1.6 Regulatory Framework

PFAS are not currently regulated at the federal level and are not regulated in soil and groundwater in New York. Effective March 3, 2017, the NYSDEC added PFOA and PFOS to New York State's 6 New York Codes, Rules and Regulations (NYCRR) Part 597 List of Hazardous Substances. While the Final Rule lists PFOS and PFOA as hazardous substances, no screening or clean-up criteria are provided.

The United States Environmental Protection Agency (US EPA) has established a lifetime Health Advisory Level (HAL) of 70 nanograms per liter (ng/L) for PFOS and PFOA, individually or combined, to protect against potential risk from

exposure to drinking water contaminated by these compounds. There are no regulatory criteria for the other 19 PFAS compounds analyzed for in this SC; therefore, report discussion focuses primarily on PFOA and PFOS.

## 2. Field Activities

Field activities for the SC were performed between February 19, 2018 and August 10, 2018, during multiple site mobilizations. This Section provides detail on the investigation tasks completed during that timeframe. The following subcontractors provided services during the SC:

- Drilling - Cascade Drilling Company (Cascade), AECOM Subcontractor
- Ground Penetrating Radar (GPR) - Advanced Geological Services (AGS), AECOM Subcontractor
- Surveying - C.T. Male Associates (CT Male), AECOM Subcontractor
- Chemical Laboratory Analyses - ALS Environmental, Inc. (ALS), NYSDEC call-out contractor

All field activities were performed or supervised by an AECOM geologist. Photographs of field activities are included in **Appendix A** and daily reports are provided in **Appendix B**.

### 2.1 Site Review

Based on information gathered by the NYSDEC, Town of East Hampton officials, and AECOM regarding recorded and other potential uses of AFFF on Site property, temporary MW locations were selected for the purpose of site characterization. Potential well locations were sited based on historical information provided by site contacts and municipal officials, including, for example, historical photographs of crash sites (**Appendix A**). Existing geological and hydrogeological information (e.g., groundwater flow direction, depth to groundwater), including data collected from the Suffolk County Water Authority, was utilized to guide the development of the SC SOW.

Temporary MW locations were finalized and marked in the field by an AECOM geologist on-site on August 6, 2018. All prospective MW locations were evaluated for the presence of subsurface utilities by Advanced Geological Services. Any conflicts and MW locations were adjusted accordingly. These activities were overseen by an AECOM geologist.

Using information provided by local, county, and state contacts along with available topographic and geologic mapping, AECOM staff identified several target areas that warranted subsurface investigation, including known areas of AFFF discharge. Additional locations were selected for a second phase of investigation after initial results were reviewed. The following table presents the justification behind each soil boring, piezometer, temporary well location, and water supply well sample.

Target Area	Location ID	Justification	Drilling Phase
North Field (Area E and Area B)	EH-E	Location of a plane that crash landed	Initial Phase
	EH-B	Fire Department mass casualty exercise using AFFF and small bus	Initial Phase
	EH-E1	Upgradient of EH-E	Second Phase
	EH-B1	Downgradient of EH-B	Second Phase
Airport Parking Lot (Parcel 16)	EH-16	Fire Department training exercise location with AFFF and a large bus	Initial Phase
	EH-161	Upgradient of EH-16	Second Phase
	EH-162	Downgradient of EH-16	Second Phase
Northeast Woods (Area C)	EH-C	Historical vehicle incident where car left road and entered the woods, marked by a break in the fence. The Fire Department had been called as a precautionary measure	Initial Phase
Aircraft/Helicopter Taxiway (Area A)	EH-A	Previous car fire with documented AFFF discharge (Area A). The potential runoff of AFFF off of the tarmac into nearby grass warranted placement of 3 additional soil borings (SB-1, SB-2 and SB-3)	Initial Phase

Target Area	Location ID	Justification	Drilling Phase
ARFF (Parcel 19)	EH-19A	Located near the Fire Department garage where AFFF and fire trucks are stored	Initial Phase
	EH-19B	Located near the Fire Department garage where AFFF and fire trucks are stored	Initial Phase
	EH-19A1	Upgradient of EH-19A	Second Phase
	EH-19A2	Downgradient of EH-19A	Second Phase
	EH-19B1	Downgradient of Parcel 19 and upgradient of Parcel 1. On East Hampton Fire District Training Facility parcel	Second Phase
East Hampton Police Dept. (Parcel 1)	EH-1	Fire training structure where AFFF may have been discharged.	Initial Phase
Local Television Inc. (Parcel 10)	EH-10	This location was sampled to investigate potential impacts from AFFF runoff from the historical use at fire garage. The temporary well is located downgradient of the fire garage.	Initial Phase
East End Hangars (Parcel 18)	EH-18	Downgradient of hangar buildings	Initial Phase
Upgradient of Water Supply well	EH-SAS	Upgradient of drinking water supply well associated with tap sample SAS-1	Second Phase
Piezometers	EH-P1, EH-P2, EH-P3	Installed across the site to supplement groundwater elevation data collected during the SC	Initial Phase
Soil Borings	EH-A1, EH-A2, EH-A3	Evaluate runoff from Area A (Taxiway) where a historical car fire occurred	Initial Phase
Storm Drain Sample	Catch Basin	Evaluate runoff from Area A (Taxiway) where a historical car fire occurred	Initial Phase
Supply Well Tap Samples	HH-20/21, HH-18, SAS-1, SAS-2, SAS-3, EH-1	At least one sample was collected from each of six drinking water supply wells that service leased hangar spaces at Parcel 16 and Parcel 18. Taps located at Hangars 7, 8 and 18 (HH-7/8 and EH-18) were inaccessible during sampling activities.	Initial Phase/ Second Phase
Existing County Well	MW-10	To supplement SC water quality and elevation data with permanent off-site well location	Initial Phase

For the initial phase of investigation, prospective boring locations were flagged and marked by AECOM personnel while escorted by East Hampton Airport Staff. The following day all prospective locations were checked for subsurface utility interference by AGS. Any conflicts resulted in adjustment of the location to a more favorable position. These activities were overseen by an AECOM geologist. The final temporary well locations are depicted on **Figure 2**.

## 2.2 Mobilization/Utility Clearance

During the investigation, extensive precautions were used to eliminate the potential for cross-contamination from PFAS-containing materials. This preparation included ensuring field staff used perfluorinated compound (PFC)-free clothing, equipment, and supplies during SC activities and using certified PFC-free water during drilling and sampling (supplied by Cascade).

Prior to commencing any intrusive activities, AECOM arranged for utility mark-outs through Dig Safely New York, Inc. and a subcontractor, Advanced Geological Services. The locations for some of the temporary MW locations were adjusted after GPR results indicated they may be situated too close to an underground utility.

## 2.3 Drinking Water Tap Sampling

Several hangars on the airport property are leased to private tenants and some of them have installed potable water supply wells. As an initial screening measure, AECOM collected samples from tap locations at six spaces, to avoid any unnecessary disruption of tenant operations.

On April 25, 2018, the tap water samples were collected by an AECOM Geologist from Sound Aircraft Services (SAS-1, SAS-2, SAS-3), Hampton Hangars (HH-20/21 and HH-18), and East Hampton Hangars (EH-1). Sample locations are shown on **Figure 2**. An East Hampton Airport employee escorted AECOM personnel throughout the process. The tap was purged for a brief period to ensure sampled water was coming from the well and not the piping. The samples were preserved on ice, packaged, and submitted under standard chain of custody (COC) to ALS Environmental for PFAS analyses. On August 7, 2018, tap location SAS-1 was resampled by AECOM based on the initial analytical results, which showed higher concentrations than other samples.

## 2.4 Drilling Program

### 2.4.1 Soil Sampling

Between April 30, 2018 and May 4, 2018, soil borings were advanced to depths ranging from 25 to 45 feet below ground surface (bgs) by Cascade using a track-mounted Geoprobe® unit equipped with a macrocore sampler. Continuous soil samples were collected in acetate liners in 5-foot intervals during the drilling of temporary MWs and piezometers for the initial phase. Two soil samples were collected for each of the initial ten borings, with an additional sample collected at EH-B. An AECOM field geologist logged soil descriptions and screened soil for the presence of volatile organic compounds (VOC) using a Photoionization Detector. Soil samples were collected in laboratory-supplied bottleware, placed on ice, and submitted to ALS for laboratory analysis under standard COC protocols. Investigation-derived waste (IDW) was placed in a labeled drum for later characterization and off-site disposal. Soil boring logs are presented in **Appendix C** and well locations are provided on **Figure 2**.

After reviewing analytical results from the initial phase of drilling, AECOM coordinated with the NYSDEC to identify target areas where elevated concentrations of PFAS were reported. At each of these areas, one upgradient and one downgradient temporary well were installed during a second phase of investigation on August 8 and 9, 2018. This exercise resulted in advancement of eight additional temporary MWs. Soil sampling was not completed at these additional borings, with the exception of EH-19B1. Additionally, EH-SAS was installed upgradient of the water supply well for tap sample SAS-1; however, no downgradient well was installed.

### 2.4.2 Temporary MW Installation

After the depth to groundwater was confirmed at each of the 18 borings, a 1.75-inch inside diameter (I.D.) PVC well screen was placed in the borehole to act as a temporary MW to keep the borehole open and facilitate groundwater sampling. Each MW was constructed with 10-ft. length sections of 0.010-inch slot well screen and capped with a 4-inch steel protective casing, with locking cap secured in place. Field observations, measurements, and well construction timetables were recorded in the Daily Notes in **Appendix B**.

Once the depth to groundwater was determined for each soil boring, Cascade set a 10 ft. PVC screen, the depth of which was recorded by an AECOM geologist. Each monitoring well was constructed with 10-ft. length sections of 0.010-inch slot, Schedule 40 well screen with the exception of EH-19B1, which had a 15-ft. screen. Each well was capped with a 4-inch steel protective casing with a locking cap secured in place.

The three piezometers for groundwater monitoring (EH-P1, EH-P2 and EH-P3) were placed so that they transect the site perpendicular to the flow of groundwater. **Figure 3** displays a cross-section of the groundwater present between the piezometers.

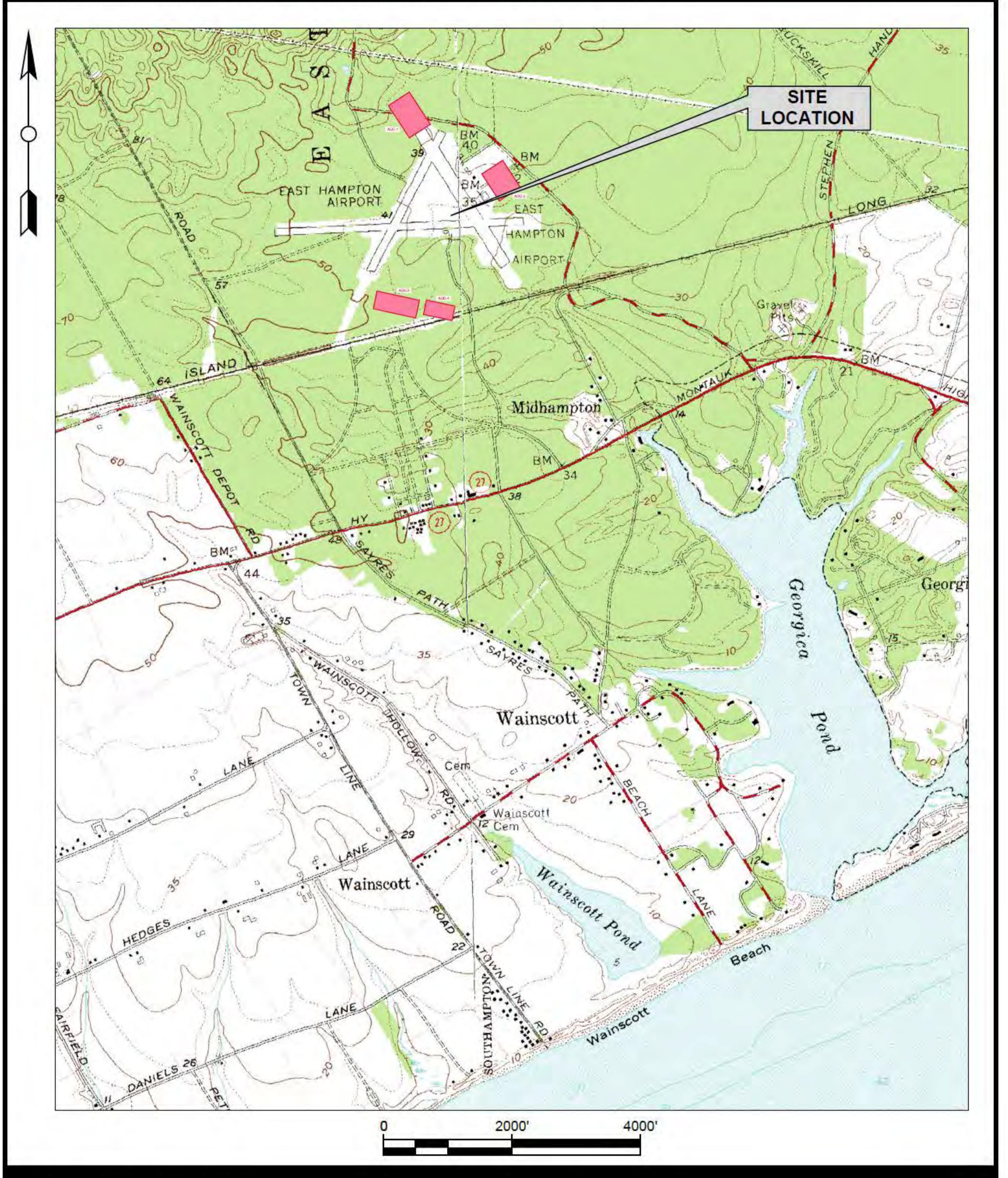
## 2.5 Groundwater Monitoring Program

Groundwater elevation measurements were collected and recorded prior to groundwater sampling activities in May and August 2018, which are presented in **Table 1**. Water levels were determined using an electronic water level meter, which was decontaminated before proceeding to the next well location. Measurements were referenced to the top of each PVC well riser.



## FIGURES





**EAST HAMPTON AIRPORT  
SITE CHARACTERIZATION REPORT**  
New York State Department of Environmental Conservation  
Wainscott, Suffolk County, New York  
Project No.: 60566160 Date: September 2018





**SITE LOCATION  
PLAN**

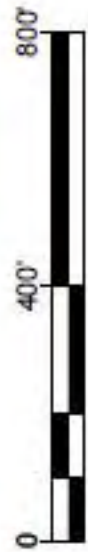
**AECOM**

**Figure: 1**

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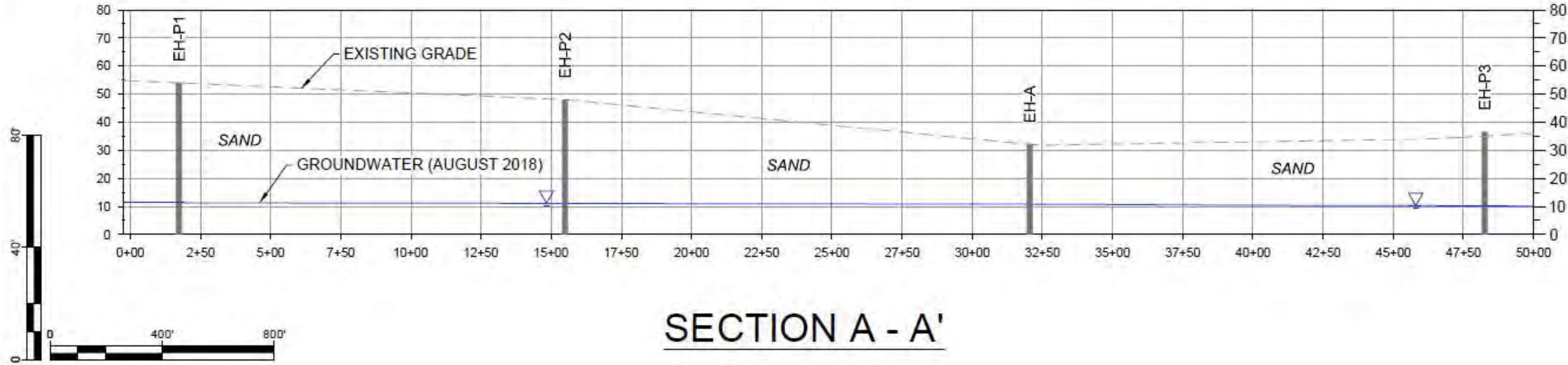
### LEGEND

-  MONITORING WELL / PIEZOMETER
-  SOIL BORING
-  CATCH BASIN
-  TAP LOCATION

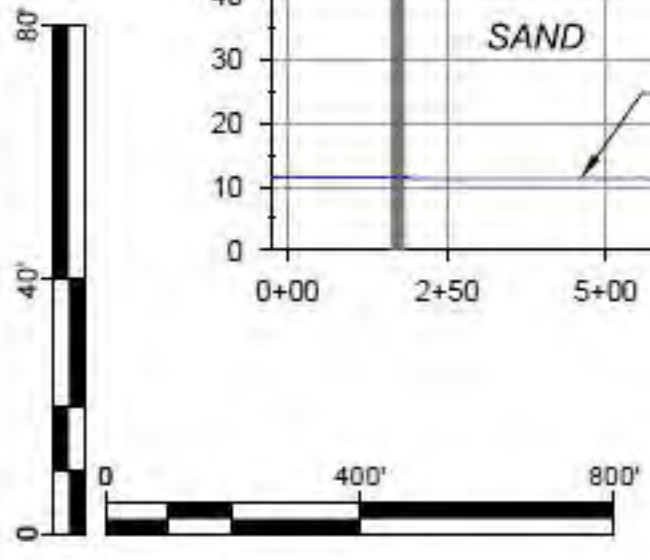


## PLAN

EXISTING SITE FEATURES





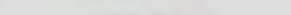



### SECTION A - A'



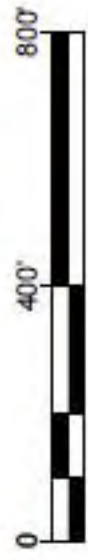
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### LEGEND

-  MONITORING WELL / PIEZOMETER
-  SOIL BORING
-  CATCH BASIN
-  TAP LOCATION
- 11.29  
 GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
-  GROUNDWATER ELEVATION CONTOUR (0.5 FT. INTERVAL)



## PLAN



GROUNDWATER CONTOUR  
MAP  
AUGUST 2018





EAST HAMPTON AIRPORT  
SITE CHARACTERIZATION REPORT  
New York State Department of Environmental Conservation  
Wainscott, Suffolk County, New York  
Project No.: 60566160 Date: September 2018



Figure: 4

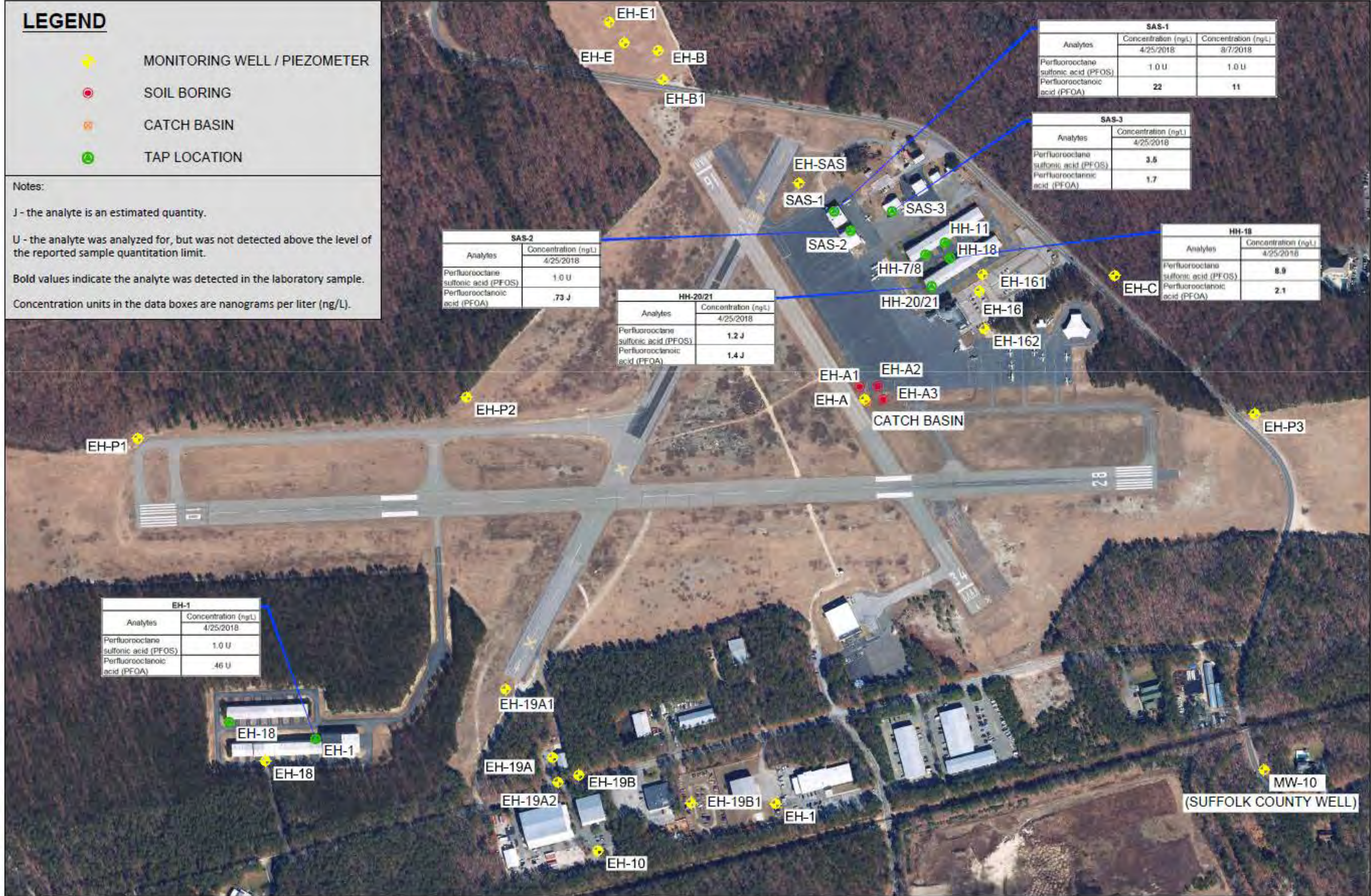
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### LEGEND

-  MONITORING WELL / PIEZOMETER
-  SOIL BORING
-  CATCH BASIN
-  TAP LOCATION

#### Notes:

J - the analyte is an estimated quantity.  
 U - the analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.  
 Bold values indicate the analyte was detected in the laboratory sample.  
 Concentration units in the data boxes are nanograms per liter (ng/L).



SAS-2	
Analytes	Concentration (ng/L)
	4/25/2018
Perfluorooctane sulfonic acid (PFOS)	1.0 U
Perfluorooctanoic acid (PFOA)	.73 J

HH-20/21	
Analytes	Concentration (ng/L)
	4/25/2018
Perfluorooctane sulfonic acid (PFOS)	1.2 J
Perfluorooctanoic acid (PFOA)	1.4 J

SAS-1		
Analytes	Concentration (ng/L)	Concentration (ng/L)
	4/25/2018	8/7/2018
Perfluorooctane sulfonic acid (PFOS)	1.0 U	1.0 U
Perfluorooctanoic acid (PFOA)	22	11

SAS-3	
Analytes	Concentration (ng/L)
	4/25/2018
Perfluorooctane sulfonic acid (PFOS)	3.6
Perfluorooctanoic acid (PFOA)	1.7

HH-18	
Analytes	Concentration (ng/L)
	4/25/2018
Perfluorooctane sulfonic acid (PFOS)	8.9
Perfluorooctanoic acid (PFOA)	2.1

EH-1	
Analytes	Concentration (ng/L)
	4/25/2018
Perfluorooctane sulfonic acid (PFOS)	1.0 U
Perfluorooctanoic acid (PFOA)	.46 U

## PLAN







### TAP WATER ANALYTICAL RESULTS

**EAST HAMPTON AIRPORT  
 SITE CHARACTERIZATION REPORT**  
 New York State Department of Environmental Conservation  
 Wainscott, Suffolk County, New York  
 Project No.: 60566160 Date: September 2018

Project Management Initials: Designer: VAM Checked: Approved: ANSI B 11" x 17" Last saved by: MEISTERK(2018-11-15) Last Plored: 2018-11-15 File name: D:\AECOM\WORKING\60566160 - EAST HAMPTON AP010 CAD - BM120-SHEETS\CD\RA\FL\GM-REPORT-2018.DWG

### LEGEND

-  MONITORING WELL / PIEZOMETER
-  SOIL BORING
-  CATCH BASIN
-  TAP LOCATION

Notes:

J - the analyte is an estimated quantity.

U - the analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

Bold values indicate the analyte was detected in the laboratory sample.

Concentration units in the data boxes are nanograms per gram (ng/g).



## PLAN







SOIL ANALYTICAL RESULTS

EAST HAMPTON AIRPORT  
 SITE CHARACTERIZATION REPORT  
 New York State Department of Environmental Conservation  
 Wainscott, Suffolk County, New York  
 Project No.: 60566160 Date: September 2018

Approved: ANSI B 11" x 17"  
 Checked: Designer: VAM  
 Project Management Initials: Designer: VAM  
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**LEGEND**

-  MONITORING WELL / PIEZOMETER
-  SOIL BORING
-  CATCH BASIN
-  TAP LOCATION

**Notes:**

J - the analyte is an estimated quantity.

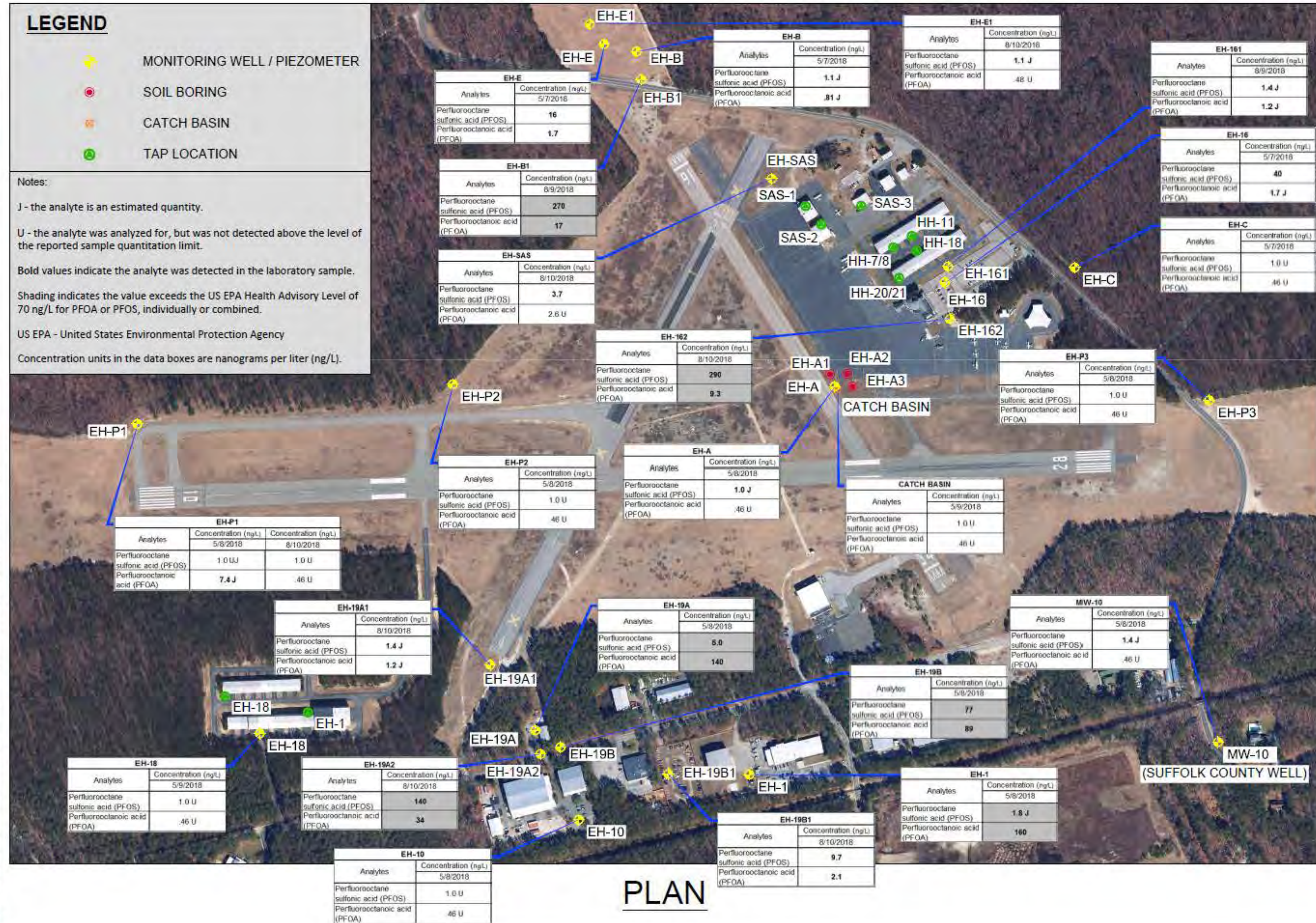
U - the analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

**Bold values indicate the analyte was detected in the laboratory sample.**

Shading indicates the value exceeds the US EPA Health Advisory Level of 70 ng/L for PFOA or PFOS, individually or combined.

US EPA - United States Environmental Protection Agency

Concentration units in the data boxes are nanograms per liter (ng/L).



**PLAN**






GROUNDWATER ANALYTICAL RESULTS

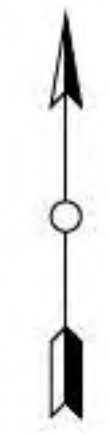
EAST HAMPTON AIRPORT  
 SITE CHARACTERIZATION REPORT  
 New York State Department of Environmental Conservation  
 Wainscott, Suffolk County, New York  
 Project No.: 60566160 Date: September 2018



Project Management Initials: Designer: KAM Checked: Approved: ANSI B 11" x 17" Last saved by: MESTERY(2018-11-15) Last Plotted: 2018-11-15 Filename: D:\AECOM\WORKING\60566160\_EAST\_HAMPTON\_AIRPORT\_CAD\_BIM\20-SHEETS\CAD\RAFT\GWL-REPORT-2018.DWG

**LEGEND**

-  MONITORING WELL / PIEZOMETER
-  SOIL BORING
-  CATCH BASIN
-  TAP LOCATION
-  AREA OF CONCERN (AOC)



**PLAN**

**TABLES**

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Analytes	Health Advisory Water Quality Standards <sup>1</sup>	Groundwater Sample Data													
		Area	North Field				Sound Aircraft Services	Airport Parking Lot			Northwest Woods	Daniels Hole Road	East Hampton PD	ARFF	
		MW ID	EH-B	EH-B1	EH-E	EH-E1	EH-SAS	EH-16	EH-161	EH-162	EH-C	MW-10*	EH-1	EH-19A	EH-19A1
		Date	5/7/2018	8/9/2018	5/7/2018	8/10/2018	8/10/2018	5/7/2018	8/9/2018	8/10/2018	5/7/2018	5/8/2018	5/8/2018	5/8/2018	8/10/2018
<b>Perfluoroalkane Sulfonic Acids</b>															
Perfluorobutane sulfonic acid (PFBS)	NS	42	2.4 J	4.9	9.4	.90 U	.90 U	.90 U	4.2 J	.90 U	.90 U	8.3	360	12	
Perfluorohexane sulfonic acid (PFHxS)	NS	130	34	52	24	1.8 J	2.1 J	1.3 J	68	.94 U	.94 U	730	240	1.5 J	
Perfluoroheptane sulfonic acid (PFHpS)	NS	.88 U	2.8 J	.88 U	.88 U	.88 U	.88 U	.88 U	4.4	.88 U	.88 U	36	.88 U	.88 U	
Perfluorooctane sulfonic acid (PFOS)	70	1.1 J	270	16	1.1 J	3.7	40	1.4 J	290	1.0 U	1.4 J	1.8 J	5.0	1.4 J	
Perfluorodecane sulfonic acid (PFDS)	NS	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
<b>Perfluoroalkane Carboxylic Acids</b>															
Perfluorobutanoic acid (PFBA)	NS	37	6.5 J	5.6 J	2.7 U	2.7 U	5.4 J	2.7 U	4.2 J	2.7 U	2.7 U	37	710	3.9 J	
Perfluoropentanoic acid (PFPeA)	NS	120	5.9	17	8.1	1.1 U	1.1 U	1.1 U	3.0 J	1.1 U	1.1 U	76	2600	1.1 U	
Perfluorohexanoic acid (PFHxA)	NS	150	13	17	11	.92 U	2.0 J	.92 U	8.9	.92 U	.92 U	65	2800	1.9 J	
Perfluoroheptanoic acid (PFHpA)	NS	8.9	2.7 J	2.2 J	1.2 U	1.2 U	2.1 J	1.2 U	3.3 J	1.3 J	1.2 U	40	1500	1.2 U	
Perfluorooctanoic acid (PFOA)	70	.81 J	17	1.7	.48 U	2.6 U	1.7 J	1.2 J	9.3	.46 U	.46 U	160	140	1.2 J	
Perfluorononanoic acid (PFNA)	NS	.94 U	1.0 J	1.7 U	.94 U	1.5 J	1.5 U	.94 U	.94 U	.99 U	.94 U	1.2 U	7.0 U	.94 U	
Perfluorodecanoic acid (PFDA)	NS	.92 U	.52 U	1.6 U	.52 U	.60 U	.92 U	1.0 U	.70 J	.52 U	1.1 U	.67 U	.82 U	1.8 U	
Perfluoroundecanoic acid (PFUnDA)	NS	1.6 U	.31 U	1.1 U	.31 U	.31 U	1.8 U	1.6 J	.31 U	1.1 U	1.0 U	1.4 U	2.6 U	.31 U	
Perfluorododecanoic acid (PFDoDA)	NS	.76 U	.46 U	.87 U	.46 U	.46 U	1.4 U	.46 U	.46 U	.78 U	.89 U	1.2 U	1.1 U	.46 U	
Perfluorotridecanoic acid (PFTrDA)	NS	.83 U	.75 U	.82 J	.75 U	.75 U	.94 J	.75 U	.75 U	1.2 J	.75 U	.90 U	1.7 U	.75 U	
Perfluorotetradecanoic acid (PFTeDA)	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
<b>Perfluoroalkyl Sulfonamides</b>															
Perfluorooctane sulfonamide (FOSA)	NS	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	
N-Methyl perfluorooctane sulfonamidoacetic acid	NS	4.2 UJ	4.2 UJ	4.2 UJ	4.2 U	4.2 U	4.2 UJ	4.2 UJ	4.2 U	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	
N-Ethyl perfluorooctane sulfonamidoacetic acid	NS	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	
<b>(n:2) Fluorotelomer Sulfonic Acids</b>															
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NS	1.2 U	1.2 U	1.2 U	1.2 U	1.6 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	7.0	7.0	1.6 J	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NS	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	2.8 J	.65 U	

**Notes:**

NS - No standard exists

Detected concentrations are in bold font.

Detections exceeding the US EPA HAL of 70 ng/L for either PFOA, PFOS or a combination of both are highlighted in gray.

J - The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

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Units are in ng/L (nanograms/liter)

\* - MW-10 is a Suffolk County well installed during a previous investigation (not installed by AECOM)

1 - United States Environmental Protection Agency (US EPA)-established Drinking Water Health Advisory Level (HAL)

Analytes	Health Advisory Water Quality Standards <sup>1</sup>	Groundwater Sample Data											
		Area	ARFF			Aircraft/Helicopter Taxiway		West End of Main Runway		Middle of Main Runway	East Field	Local Television Inc.	East End Hangars
		MW ID	EH-19A2	EH-19B	EH-19B1	EH-A	CATCH BASIN	EH-P1		EH-P2	EH-P3	EH-10	EH-18
		Date	8/10/2018	5/8/2018	8/10/2018	5/8/2018	5/9/2018	5/8/2018	8/10/2018	5/8/2018	5/8/2018	5/8/2018	5/9/2018
<b>Perfluoroalkane Sulfonic Acids</b>													
Perfluorobutane sulfonic acid (PFBS)	NS		8.5	29	8.5	.90 U	.90 U	1.0 J	.90 U	.90 U	.90 U	.90 U	.90 U
Perfluorohexane sulfonic acid (PFHxS)	NS		85	750	3.7 J	.94 U	.94 U	3.0 J	1.0 J	.94 U	1.0 J	.94 U	.94 U
Perfluoroheptane sulfonic acid (PFHpS)	NS		2.1 J	12	.88 U	.88 U	.88 U	0.88 UJ	.88 U	.88 U	.88 U	.88 U	.88 U
Perfluorooctane sulfonic acid (PFOS)	70		140	77	9.7	1.0 J	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Perfluorodecane sulfonic acid (PFDS)	NS		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
<b>Perfluoroalkane Carboxylic Acids</b>													
Perfluorobutanoic acid (PFBA)	NS		82	61	8.8	2.7 U	2.7 U	3.7 J	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Perfluoropentanoic acid (PFPeA)	NS		140	170	6.5	1.1 U	1.1 U	6.8 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Perfluorohexanoic acid (PFHxA)	NS		150	200	7.7	.92 U	.92 U	9.9 J	.92 U	.92 U	.92 U	.92 U	.92 U
Perfluoroheptanoic acid (PFHpA)	NS		99	180	1.2 U	1.6 U	2.6 U	8.0 UJ	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Perfluorooctanoic acid (PFOA)	70		34	89	2.1	.46 U	.46 U	7.4 J	.46 U	.46 U	.46 U	.46 U	.46 U
Perfluorononanoic acid (PFNA)	NS		17	14	.94 U	1.5 U	2.1 U	8.9 UJ	.94 U	1.0 U	1.1 J	.94 U	.94 U
Perfluorodecanoic acid (PFDA)	NS		4.1 J	2.3 U	.52 U	2.3 U	1.5 U	9.5 UJ	.52 U	1.0 U	.93 U	1.0 U	.71 U
Perfluoroundecanoic acid (PFUnDA)	NS		2.2 J	2.2 U	1.1 J	1.5 U	1.6 U	12 J	.43 J	1.3 U	1.1 U	1.4 U	1.2 U
Perfluorododecanoic acid (PFDoDA)	NS		.46 U	.63 U	.46 U	.67 U	1.7 U	21 J	.46 U	1.1 U	.87 U	.96 U	.86 U
Perfluorotridecanoic acid (PFTrDA)	NS		.75 U	1.2 U	.75 U	1.1 U	1.5 U	20 J	.75 U	1.2 U	1.3 J	1.1 U	1.3 U
Perfluorotetradecanoic acid (PFTeDA)	NS		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	19 J	1.3 J	1.2 U	1.2 U	1.2 U	1.2 U
<b>Perfluoroalkyl Sulfonamides</b>													
Perfluorooctane sulfonamide (FOSA)	NS		.35 U	.35 U	.35 U	.35 U	.35 U	.35 UJ	.35 U	.35 U	.35 U	.35 U	.35 U
N-Methyl perfluorooctane sulfonamidoacetic acid	NS		4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	4.2 U	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ
N-Ethyl perfluorooctane sulfonamidoacetic acid	NS		.83 U	.83 U	.83 U	.83 U	.83 U	.83 UJ	.83 U	.83 U	.83 U	.83 U	.83 U
<b>(n:2) Fluorotelomer Sulfonic Acids</b>													
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NS		3.9 J	120	1.2 U	1.2 U	1.2 U	1.4 J	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NS		50	14	5.0	.65 U	.65 U	.65 UJ	.65 U	.65 U	.65 U	.65 U	.65 U

**Notes:**

NS - No standard exists

Detected concentrations are in bold font.

Detections exceeding the US EPA HAL of 70 ng/L for either PFOA, PFOS or a combination of both are highlighted in gray.

J - The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

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Units are in ng/L (nanograms/liter)

\* - MW-10 is a Suffolk County well installed during a previous investigation (not installed by AECOM)

1 - United States Environmental Protection Agency (US EPA)-established Drinking Water Health Advisory Level (HAL)

Analytes	Health Advisory Water Quality Standards <sup>1</sup>	Area	QA/QC Samples													
			MW ID	DUP		EQUIPMENT BLANK				FIELD BLANK			MS/MSD			
				Date	5/8/2018	8/10/2018	5/7/2018	5/8/2018	5/9/2018	8/10/2018	5/7/2018	5/8/2018	8/10/2018	5/8/2018	5/8/2018	8/10/2018
			<b>Perfluoroalkane Sulfonic Acids</b>													
Perfluorobutane sulfonic acid (PFBS)	NS		.90 U	<b>9.1</b>	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	
Perfluorohexane sulfonic acid (PFHxS)	NS		.94 U	<b>57</b>	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	
Perfluoroheptane sulfonic acid (PFHpS)	NS		.88 U	<b>1.6 J</b>	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	
Perfluorooctane sulfonic acid (PFOS)	70		<b>1.3 J</b>	<b>100</b>	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Perfluorodecane sulfonic acid (PFDS)	NS		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	
<b>Perfluoroalkane Carboxylic Acids</b>																
Perfluorobutanoic acid (PFBA)	NS		2.7 U	<b>73</b>	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	
Perfluoropentanoic acid (PFPeA)	NS		1.1 U	<b>160</b>	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	
Perfluorohexanoic acid (PFHxA)	NS		.92 U	<b>130</b>	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	
Perfluoroheptanoic acid (PFHpA)	NS		1.2 U	<b>100</b>	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	<b>1.4 J</b>	1.2 U	1.2 U	
Perfluorooctanoic acid (PFOA)	70		.46 U	<b>28</b>	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	<b>.55 J</b>	
Perfluorononanoic acid (PFNA)	NS		.94 U	<b>13</b>	.94 U	.94 U	.94 U	.94 U	<b>1.0 J</b>	.94 U	.94 U	.94 U	<b>1.1 J</b>	.94 U	.94 U	
Perfluorodecanoic acid (PFDA)	NS		.82 U	<b>3.4 U</b>	.52 U	.73 U	.68 U	.52 U	.71 U	.52 U	.52 U	.87 J	.84 J	.52 U	.60 J	
Perfluoroundecanoic acid (PFUnDA)	NS		1.0 U	<b>1.3 J</b>	.85 U	.90 U	.73 U	.31 U	.94 U	.87 U	.31 U	<b>1.1 J</b>	<b>1.0 J</b>	.31 U	.31 U	
Perfluorododecanoic acid (PFDoDA)	NS		.58 U	.46 U	.55 U	.80 U	.73 U	.46 U	.75 U	.46 U	.46 U	.81 J	<b>.95 J</b>	.46 U	.46 U	
Perfluorotridecanoic acid (PFTrDA)	NS		.78 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.79 J	.75 U	.75 U	
Perfluorotetradecanoic acid (PFTeDA)	NS		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
<b>Perfluoroalkyl Sulfonamides</b>																
Perfluorooctane sulfonamide (FOSA)	NS		.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	
N-Methyl perfluorooctane sulfonamidoacetic acid	NS		4.2 UJ	4.2 U	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	4.2 UJ	4.2 U	4.2 U	4.2 U	4.2 U	
N-Ethyl perfluorooctane sulfonamidoacetic acid	NS		.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	
<b>(n:2) Fluorotelomer Sulfonic Acids</b>																
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NS		1.2 U	<b>5.1</b>	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NS		.65 U	<b>46</b>	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	

**Notes:**

NS - No standard exists

Detected concentrations are in bold font.

Detections exceeding the US EPA HAL of 70 ng/L for either PFOA, PFOS or a combination of both are highlighted in gray.

J - The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Units are in ng/L (nanograms/liter)

\* - MW-10 is a Suffolk County well installed during a previous investigation (not installed by AECOM)

1 - United States Environmental Protection Agency (US EPA)-established Drinking Water Health Advisory Level (HAL)

Table 2  
Tap Water Sample Data

Analytes	Health Advisory Water Quality Standards <sup>1</sup>	Tap Water Sample Data								QA/QC SAMPLES		
		Area	Hampton Hangars		Sound Aircraft Services			East Hampton Hangars	DUP	FIELD BLANK	MS/MSD	
		Sample ID	HH-20/21	HH-18	SAS-1		SAS-2	SAS-3	EH-1	4/25/2018	4/25/2018	4/25/2018
		Date	4/25/2018	4/25/2018	4/25/2018	8/7/2018	4/25/2018	4/25/2018	4/25/2018	4/25/2018	4/25/2018	4/25/2018
<b>Perfluoralkane Sulfonic Acids</b>												
Perfluorobutane sulfonic acid (PFBS)	NS		.90 U	.90 U	<b>29</b>	<b>8.7</b>	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U
Perfluorohexane sulfonic acid (PFHxS)	NS		<b>5.8</b>	<b>6.6</b>	<b>160</b>	<b>78</b>	1.6 J	<b>3.8 J</b>	<b>1.0 J</b>	<b>1.3 J</b>	.94 U	.94 U
Perfluoroheptane sulfonic acid (PFHpS)	NS		.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U
Perfluorooctane sulfonic acid (PFOS)	70		<b>1.2 J</b>	<b>8.9</b>	1.0 U	1.0 U	1.0 U	<b>3.5</b>	1.0 U	1.0 U	1.0 U	1.0 U
Perfluorodecane sulfonic acid (PFDS)	NS		1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
<b>Perfluoralkane Carboxylic Acids</b>												
Perfluorobutanoic acid (PFBA)	NS		2.7 U	2.7 U	<b>3.4 J</b>	<b>2.8 J</b>	<b>4.1 J</b>	2.7 U	2.7 U	<b>3.3 J</b>	2.7 U	2.7 U
Perfluoropentanoic acid (PFPeA)	NS		1.1 U	1.1 U	<b>8.9</b>	<b>3.1 J</b>	<b>4.2 J</b>	1.1 U	1.1 U	<b>3.8 J</b>	1.1 U	1.1 U
Perfluorohexanoic acid (PFHxA)	NS		<b>1.2 J</b>	.92 U	<b>22</b>	<b>12</b>	<b>4.1 J</b>	.92 U	.92 U	<b>3.9 J</b>	.92 U	.92 U
Perfluoroheptanoic acid (PFHpA)	NS		<b>1.6 J</b>	<b>2.0 J</b>	<b>7.3</b>	<b>2.5 J</b>	<b>1.7 J</b>	<b>1.7 J</b>	1.2 U	<b>1.7 J</b>	1.2 U	1.2 U
Perfluorooctanoic acid (PFOA)	70		<b>1.4 J</b>	<b>2.1</b>	<b>22</b>	<b>11</b>	<b>.73 J</b>	<b>1.7</b>	.46 U	<b>.71 J</b>	.46 U	.46 U
Perfluorononanoic acid (PFNA)	NS		.94 U	<b>1.2 J</b>	<b>1.0 J</b>	.94 U	.94 U	<b>1.0 J</b>	.94 U	<b>.99 J</b>	.94 U	.94 U
Perfluorodecanoic acid (PFDA)	NS		1.0 U	.99 U	.86 U	.52 U	.87 U	.82 U	.81 U	.58 U	.84 U	<b>.92 J</b>
Perfluoroundecanoic acid (PFUnDA)	NS		.90 U	1.0 U	1.1 U	.31 U	.79 U	1.1 U	1.2 U	.88 U	.96 U	<b>1.1 J</b>
Perfluorododecanoic acid (PFDoDA)	NS		.58 U	.52 U	.83 U	.46 U	.70 U	.46 U	.68 U	.46 U	.76 U	<b>.74 J</b>
Perfluorotridecanoic acid (PFTrDA)	NS		.75 U	.75 U	.75 U	.75 U	.92 U	.75 U	.75 U	.75 U	.75 U	<b>.92 J</b>
Perfluorotetradecanoic acid (PFTeDA)	NS		1.2 U	1.2 U	<b>1.4 J</b>	1.2 U	<b>1.6 J</b>	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
<b>Perfluoroalkyl Sulfonamides</b>												
Perfluorooctane sulfonamide (FOSA)	NS		<b>.37 J</b>	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U
N-Methyl perfluorooctane sulfonamidoacetic acid	NS		4.2 U	4.2 U	4.2 U	4.2 UJ	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U
N-Ethyl perfluorooctane sulfonamidoacetic acid	NS		0.83 UJ	0.83 UJ	0.83 UJ	.83 U	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	0.83 UJ	.83 U
<b>(n:2) Fluorotelomer Sulfonic Acids</b>												
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NS		1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NS		.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U

Notes:

NS - No standard exists

Detected concentrations are in bold font.

J - The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Units are in ng/L (nanograms/liter)

1 - United States Environmental Protection Agency-established Drinking Water Health Advisory Level

Analytes	Soil Sample Data																				
	Area	North Field								Sound Aircraft Services		Airport Parking Lot					Northwest Woods		East Hampton PD		
	Boring ID	EH-B		EH-B1		EH-E		EH-E1		EH-SAS		EH-16		EH-161		EH-162	EH-C		EH-1		
	Date	4/30/2018		8/8/2018		4/30/2018		8/8/2018		8/8/2018		4/30/2018		8/8/2018		8/9/2018	5/1/2018		5/1/2018		
	Boring Interval (fbg)	0-1'	19-20'	26-27'	0-1'	26-27'	0-1'	23-24'	0-1'	26-27'	0-1'	24-25'	0-1'	23-24'	0-1'	28-29'	0-1'	24-25'	0-1'	29-30'	0-1'
<b>Perfluoroalkane Sulfonic Acids</b>																					
Perfluorobutane sulfonic acid (PFBS)	.17 U	.18 U	.18 U	.18 U	.17 U	.17 U	.17 U	.17 U	.20 U	.17 U	.17 U	.17 U	.17 U	.18 U	.17 U	.17 U	.17 U	.18 U	.18 U	.17 U	.17 U
Perfluorohexane sulfonic acid (PFHxS)	<b>.53 J</b>	<b>.22 J</b>	<b>.29 J</b>	.27 U	.21 U	<b>.25 J</b>	<b>.20 J</b>	.27 U	.28 U	.18 U	.17 U	.17 U	.17 U	.20 U	.17 U	.17 U	.17 U	.18 U	<b>.19 J</b>	.17 U	<b>.20 J</b>
Perfluoroheptane sulfonic acid (PFHpS)	.14 U	.15 U	.15 U	.15 U	.14 U	.14 U	.14 U	.14 U	.16 U	.14 U	.14 U	.14 U	.14 U	.15 U	.14 U	.14 U	.14 U	.15 U	.15 U	.14 U	.14 U
Perfluorooctane sulfonic acid (PFOS)	<b>4.0</b>	.18 U	.18 U	<b>1.9</b>	<b>.75 J</b>	<b>3.6</b>	.17 U	.17 U	.20 U	.17 U	.17 U	<b>.72 J</b>	<b>.29 J</b>	<b>.33 J</b>	.17 U	<b>.20 J</b>	.17 U	.18 U	.18 U	<b>10</b>	<b>.19 J</b>
Perfluorodecane sulfonic acid (PFDS)	.17 U	.18 U	.18 U	.18 U	.17 U	.17 U	.17 U	.17 U	.20 U	.17 U	.17 U	.17 U	.17 U	.18 U	.17 U	.17 U	.17 U	.18 U	.18 U	.17 U	.17 U
<b>Perfluoroalkane Carboxylic Acids</b>																					
Perfluorobutanoic acid (PFBA)	.18 U	.19 U	.19 U	.19 U	.18 U	.18 U	.18 U	.18 U	.21 U	.18 U	.18 U	.18 U	.18 U	.19 U	.18 U	.18 U	.18 U	.19 U	.19 U	.18 U	.18 U
Perfluoropentanoic acid (PFPeA)	.19 U	.20 U	.20 U	.20 U	.19 U	.19 U	.19 U	<b>.20 J</b>	.22 U	.19 U	.19 U	.19 U	.19 U	.21 U	.19 U	.19 U	.19 U	<b>.48 J</b>	.20 U	.19 U	.19 U
Perfluorohexanoic acid (PFHxA)	.21 U	.22 U	.22 U	.22 U	.21 U	.21 U	.21 U	<b>.34 J</b>	.24 U	.21 U	.21 U	.21 U	.21 U	.23 U	.21 U	.21 U	.21 U	<b>.51 J</b>	<b>.22 U</b>	.21 U	.21 U
Perfluoroheptanoic acid (PFHpA)	<b>.28 J</b>	<b>.26 J</b>	<b>.32 J</b>	.23 U	.22 U	<b>.27 J</b>	<b>.22 J</b>	.22 U	.26 U	.22 U	.22 U	<b>.23 J</b>	.22 U	.24 U	.22 U	.22 U	.22 U	<b>.51 J</b>	<b>.24 J</b>	<b>.24 J</b>	.22 U
Perfluorooctanoic acid (PFOA)	.18 U	.19 U	.19 U	<b>.35 J</b>	.18 U	.18 U	.18 U	<b>.33 J</b>	.21 U	.18 U	.18 U	.18 U	.18 U	<b>.26 J</b>	.18 U	.18 U	.18 U	<b>.23 J</b>	.19 U	.18 U	.18 U
Perfluorononanoic acid (PFNA)	.32 U	.25 U	.27 U	<b>.32 J</b>	.18 U	.48 U	.24 U	.18 U	.21 U	.18 U	.18 U	.24 U	.19 U	.19 U	.18 U	.18 U	.32 U	.26 U	.55 U	.25 U	.25 U
Perfluorodecanoic acid (PFDA)	.41 U	.25 U	.21 U	.21 U	.20 U	.29 U	.21 U	.20 U	.23 U	.20 U	.20 U	.20 U	.20 U	.22 U	.20 U	.20 U	.25 U	.21 U	.27 U	.21 U	.21 U
Perfluoroundecanoic acid (PFUnDA)	<b>.26 J</b>	.26 U	.26 U	.26 U	.25 U	.25 U	.25 U	.25 U	.29 U	.25 U	.25 U	.25 U	.25 U	.27 U	.25 U	.25 U	.25 U	.26 U	.26 U	.25 U	.25 U
Perfluorododecanoic acid (PFDoDA)	.26 U	.27 U	.27 U	.27 U	.26 U	.26 U	.26 U	.26 U	.30 U	.26 U	.26 U	.26 U	.26 U	.28 U	.26 U	.26 U	.26 U	.27 U	.27 U	.26 U	.26 U
Perfluorotridecanoic acid (PFTrDA)	<b>.24 J</b>	<b>.21 J</b>	.16 U	.16 U	.15 U	<b>.19 J</b>	.15 U	.15 U	.18 U	.15 U	.15 U	.15 U	<b>.15 J</b>	.16 U	.15 U	.15 U	.15 U	<b>.18 J</b>	.16 U	.15 U	.15 U
Perfluorotetradecanoic acid (PFTeDA)	.38 U	.39 U	.39 U	.39 U	.38 U	.38 U	.38 U	.38 U	.44 U	.38 U	.38 U	.38 U	.38 U	.41 U	.38 U	.38 U	.38 U	.40 U	.39 U	.38 U	.38 U
<b>Perfluoroalkyl Sulfonamides</b>																					
Perfluorooctane sulfonamide (FOSA)	.13 U	.14 U	.14 U	.14 U	.13 U	.13 U	.13 U	.13 U	.15 U	.13 U	.13 U	.13 U	.13 U	.14 U	.13 U	.13 U	.13 U	.14 U	.14 U	.13 U	.13 U
N-Methyl perfluorooctane sulfonamidoacetic acid	<b>.085 U</b>	<b>.086 U</b>	<b>.088 U</b>	<b>.24 J</b>	<b>.31 J</b>	<b>.085 U</b>	<b>.085 U</b>	<b>.085 U</b>	<b>.45 J</b>	<b>.085 U</b>	<b>.085 U</b>	<b>.085 U</b>	<b>.085 U</b>	<b>.09 U</b>	<b>.085 U</b>	<b>.41 J</b>	<b>.085 U</b>	<b>.088 U</b>	<b>.087 U</b>	<b>.085 U</b>	<b>.085 U</b>
N-Ethyl perfluorooctane sulfonamidoacetic acid	.11 U	.12 U	.12 U	.12 U	.11 U	.11 U	.11 U	.11 U	<b>1.3</b>	.11 U	.11 U	.11 U	.11 U	.12 U	.11 U	.11 U	.11 U	.12 U	.12 U	.11 U	.11 U
<b>(n:2) Fluorotelomer Sulfonic Acids</b>																					
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	.17 U	.18 U	.18 U	.18 U	.17 U	.17 U	.17 U	.17 U	.20 U	.17 U	.17 U	.17 U	.17 U	.18 U	.17 U	.17 U	.17 U	.18 U	.18 U	.17 U	.17 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	.22 U	.23 U	.23 U	.23 U	.22 U	.22 U	.22 U	.22 U	.26 U	.22 U	.22 U	.22 U	.22 U	.24 U	.22 U	.22 U	.22 U	.23 U	.23 U	.22 U	.22 U

**Notes:**

Detected concentrations are in bold font.

J - The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

The depth interval of the soil sample indicates feet below grade (fbg).

U - The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

UJ - The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Units for soil results are ng/g (nanograms/gram)

Units for field and equipment blanks are ng/L (nanograms/liter)

Analytes	Soil Sample Data																						
	Area	Local Television Inc.		Aircraft/ Helicopter Taxiway								East End Hangars		ARFF									
	Boring ID	EH-10		EH- A		EH- A1		EH-A2		EH-A3		EH-18		EH-19A		EH-19A1		EH-19A2		EH-19B		EH-19B1	
	Date	5/1/2018		5/2/2018		5/2/2018		5/2/2018		5/2/2018		5/3/2018		5/4/2018		8/9/2018		8/9/2018		5/3/2018		8/9/2018	
	Boring Interval (fbg)	0-1'	33-34'	0-1'	22-23'	0-1'	23-24'	0-1'	23-24'	0-1'	22-23'	0-1'	41-42'	0-1'	31-32'	0-1'	34-35'	0-1'	34-35'	0-1'	36-37'	0-1'	
<b>Perfluoroalkane Sulfonic Acids</b>																							
Perfluorobutane sulfonic acid (PFBS)	.18 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.18 U	.18 U	.18 U	.17 U	.17 U	.18 U	.17 U	.18 U	
Perfluorohexane sulfonic acid (PFHxS)	.18 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.19 J	.17 U	.18 U	.59 U	.18 U	.17 U	.17 U	.28 J	.17 J	3.8	
Perfluoroheptane sulfonic acid (PFHpS)	.15 U	.14 U	.14 U	.14 U	.14 U	.14 U	.14 U	.14 U	.14 U	.14 U	.14 U	.14 U	.14 U	.14 U	.15 U	.15 U	.15 U	.14 U	.14 U	.15 U	.14 U	1.9	
Perfluorooctane sulfonic acid (PFOS)	.64 J	.17 U	.17 U	.17 U	.34 J	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.54 J	.17 U	3.9	.18 U	.18 U	.18 U	.17 U	.17 U	.22 J	.17 U	12	
Perfluorodecane sulfonic acid (PFDS)	.18 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.18 U	.18 U	.18 U	.17 U	.17 U	.18 U	.17 U	.18 U	
<b>Perfluoroalkane Carboxylic Acids</b>																							
Perfluorobutanoic acid (PFBA)	.19 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.19 U	.19 U	.19 U	.18 U	.18 U	.18 U	.18 U	.19 U	
Perfluoropentanoic acid (PFPeA)	.20 U	.19 U	.19 U	.19 U	.19 U	.19 U	.19 U	.19 U	.19 U	.19 U	.19 U	.19 U	.19 U	.19 U	.20 U	.20 U	.20 U	.19 U	.19 U	.19 U	.19 U	.48 J	
Perfluorohexanoic acid (PFHxA)	.22 U	.21 U	.21 U	.21 U	.21 U	.21 U	.21 U	.21 U	.21 U	.21 U	.21 U	.21 U	.21 U	.21 U	.22 U	.23 J	.22 U	.21 U	.21 U	.21 U	.21 U	.75 J	
Perfluoroheptanoic acid (PFHpA)	.23 U	.22 U	.22 U	.22 U	.25 J	.22 U	.22 U	.22 U	.22 U	.22 U	.26 U	.22 U	.22 U	.29 U	.23 U	.23 U	.22 U	.22 U	.30 U	.22 U	.24 U		
Perfluorooctanoic acid (PFOA)	.19 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.18 U	.19 U	.19 U	.19 U	.20 J	.18 U	.42 J	.18 U	3.8		
Perfluorononanoic acid (PFNA)	.24 U	.18 U	.29 U	.18 U	.24 U	.25 U	.18 U	.23 U	.21 U	.23 U	.29 U	.25 U	.49 U	.22 U	.19 U	.19 U	.18 U	.18 U	.25 U	.18 U	.49 J		
Perfluorodecanoic acid (PFDA)	.21 U	.21 U	.23 U	.20 U	.20 U	.20 U	.20 U	.21 U	.25 U	.25 U	.21 U	.22 U	.21 U	.21 U	.21 U	.20 U	.20 U	.20 U	.22 U	.20 U	.21 U		
Perfluoroundecanoic acid (PFUnDA)	.26 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.26 U	.26 U	.26 U	.25 U	.25 U	.26 U	.25 U	.27 U		
Perfluorododecanoic acid (PFDoDA)	.27 U	.26 U	.26 U	.26 U	.26 U	.26 U	.26 U	.26 U	.26 U	.26 U	.26 U	.26 U	.26 U	.27 U	.27 U	.27 U	.26 U	.26 U	.27 U	.26 U	.28 U		
Perfluorotridecanoic acid (PFTTrDA)	.16 U	.15 U	.19 J	.20 J	.16 J	.17 J	.15 U	.15 U	.15 U	.17 J	.16 J	.15 U	.15 U	.16 U	.16 U	.16 U	.15 U	.15 U	.16 J	.20 J	.16 U		
Perfluorotetradecanoic acid (PFTeDA)	.39 U	.38 U	.38 U	.38 U	.38 U	.38 U	.38 U	.38 U	.38 U	.38 U	.38 U	.38 U	.38 U	.39 U	.39 U	.39 U	.38 U	.38 U	.39 U	.38 U	.40 U		
<b>Perfluoroalkyl Sulfonamides</b>																							
Perfluorooctane sulfonamide (FOSA)	.14 U	.13 U	.13 U	.13 U	.13 U	.13 U	.13 U	.13 U	.13 U	.13 U	.13 U	.13 U	.13 U	.14 U	.14 U	.14 U	.13 U	.13 U	.14 U	.13 U	.14 U		
N-Methyl perfluorooctane sulfonamidoacetic acid	.086 U	.085 U	.085 U	.085 U	.085 U	.085 U	.085 U	.085 U	.085 U	.085 U	.085 U	.085 U	.085 U	.085 U	.087 U	.086 U	.086 U	.085 U	.085 U	.087 U	.085 U	0.09 U	
N-Ethyl perfluorooctane sulfonamidoacetic acid	.12 U	.11 U	.11 U	.11 U	.11 U	.11 U	.11 U	.11 U	.11 U	.11 U	.11 U	.11 U	.11 U	.11 U	.12 U	.12 U	.12 U	.11 U	.11 U	.12 U	.11 U	.12 U	
<b>(n:2) Fluorotelomer Sulfonic Acids</b>																							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	.18 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.17 U	.18 U	.18 U	.18 U	.17 U	.17 U	.17 U	.17 U	.18 U	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	.23 U	.22 U	.22 U	.22 U	.22 U	.22 U	.22 U	.22 U	.22 U	.22 U	.22 U	.22 U	.22 U	.22 U	.23 U	.23 U	.23 U	.22 U	.22 U	.22 U	.22 U	.24 U	

**Notes:**

Detected concentrations are in bold font.

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Units for soil results are ng/g (nanograms/gram)

Units for field and equipment blanks are ng/L (nanograms/liter)



Analytes	QA/QC Samples															
	Area															
	Boring ID	DUP-1	DUP-2	DUP	EQ-BLANK 1	EQ-BLANK 2	EQ-BLANK 3	EQ-BLANK 4	EQ-BLANK 5	EQ-BLANK	FIELD BLANK 1	FIELD BLANK 2	FIELD BLANK	MS/MSD 1	MS/MSD 2	MS/MSD
	Date	5/1/2018	5/1/2018	8/8/2018	4/30/2018	5/1/2018	5/2/2018	5/3/2018	5/4/2018	8/8/2018	5/1/2018	5/3/2018	8/8/2018	5/2/2018	5/2/2018	8/8/2018
	Boring Interval (fbg)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Perfluoroalkane Sulfonic Acids</b>																
Perfluorobutane sulfonic acid (PFBS)	.17 U	.17 U	.19 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.90 U	.17 U	.17 U	.17 U
Perfluorohexane sulfonic acid (PFHxS)	.17 U	.37 J	.30 U	.94 U	.94 U	.94 U	.94 U	.96 J	.94 U	.94 U	.94 U	.94 U	.94 U	.17 U	.17 U	.24 J
Perfluoroheptane sulfonic acid (PFHpS)	.14 U	.14 U	.15 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.88 U	.14 U	.14 U	.14 U
Perfluorooctane sulfonic acid (PFOS)	15	.35 J	.22 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	.17 U	.17 U	.17 U
Perfluorodecane sulfonic acid (PFDS)	.17 U	.17 U	.19 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	.17 U	.17 U	.17 U
<b>Perfluoroalkane Carboxylic Acids</b>																
Perfluorobutanoic acid (PFBA)	.18 U	.18 U	.20 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	.18 U	.18 U	.18 U
Perfluoropentanoic acid (PFPeA)	.19 U	.19 U	.21 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	.19 U	.19 U	.19 U
Perfluorohexanoic acid (PFHxA)	.21 U	.21 U	.23 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.92 U	.21 U	.21 U	.21 U
Perfluoroheptanoic acid (PFHpA)	.25 J	.25 J	.24 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	.22 U	.22 J	.22 U
Perfluorooctanoic acid (PFOA)	.18 U	.18 U	.38 J	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.18 U	.18 U	.18 U
Perfluorononanoic acid (PFNA)	.47 U	.24 U	.20 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.94 U	.22 J	.20 J	.18 U
Perfluorodecanoic acid (PFDA)	.24 U	.21 U	.22 U	.74 U	.55 U	.54 U	.68 U	.55 U	.52 U	.69 U	.52 U	.52 U	.52 U	.22 J	.21 J	.20 U
Perfluoroundecanoic acid (PFUnDA)	.25 U	.25 U	.27 U	.31 U	.31 U	.31 U	.31 U	.31 U	.31 U	.31 U	.31 U	.31 U	.31 U	.27 U	.27 U	.25 U
Perfluorododecanoic acid (PFDoDA)	.26 U	.26 U	.28 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.46 U	.28 U	.28 U	.26 U
Perfluorotridecanoic acid (PFTrDA)	.15 U	.15 U	.16 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.75 U	.16 U	.16 U	.15 U
Perfluorotetradecanoic acid (PFTeDA)	.38 U	.38 U	.41 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	.41 U	.41 U	.38 U
<b>Perfluoroalkyl Sulfonylamides</b>																
Perfluorooctane sulfonylamide (FOSA)	.13 U	.13 U	.14 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.35 U	.13 U	.13 U	.13 U
N-Methyl perfluorooctane sulfonylamidoacetic acid	.085 U	.085 U	.33 J	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	4.2 U	.085 U	.085 U	.085 U
N-Ethyl perfluorooctane sulfonylamidoacetic acid	.11 U	.11 U	.12 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.83 U	.11 U	.11 U	.11 U
<b>(n:2) Fluorotelomer Sulfonic Acids</b>																
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	.17 U	.17 U	.19 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	.17 U	.17 U	.17 U
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	.22 U	.22 U	.24 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.65 U	.22 U	.22 U	.22 U

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# Appendix C

## ENGINEERING REPORT - DISTRIBUTION SYSTEM IMPROVEMENT

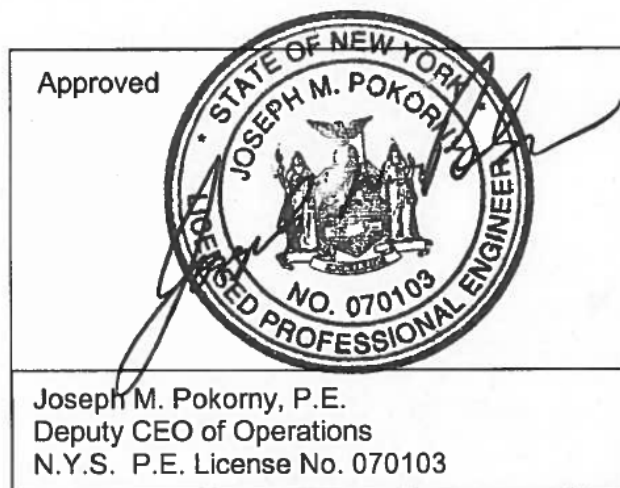
Proposal to install approximately 45,000 feet of 16", 12", 8" and 6" inch water mains and 1", 1 1/2" and 2" water services on various streets and properties in Wainscott, Town of East Hampton.

Suffolk County, New York Implementation Agency:

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## ENGINEERING REPORT

**I. Executive Summary**

The Suffolk County Water Authority (SCWA) proposes to install new water mains and services on various streets in Wainscott in the Town of East Hampton for purposes of supplying public water to existing homes and businesses with private wells. Approximately 520 private wells in this area are threatened by contamination from perfluorinated chemicals. These include the emerging contaminants PFOS and PFOA, which have been found in a number of private wells, in some cases at concentrations above health advisory levels. In order to serve the impacted homes and businesses it will be necessary to extend the existing public water supply system of water mains into these areas. It will also be necessary to install water service lines between the water main and the structure to be served. Existing private wells will be disconnected from the structure's internal plumbing system so as to prevent a potential cross contamination of the structure and the public water system. The proposed 16", 12", 8" and 6" water main will be ductile iron pipe along with directional drills that utilize 16" and 8" H.D.P.E (DR-9) and 24" steel casing. Within the project area, the 1", 1 ½" and 2" water services will connect both existing water mains and the new water mains, within the road right of way and on private properties into existing structures. Water services will be copper and HDPE. The plans for all work contemplated under this project shall be developed in accordance with applicable AWWA standards, NYS Department of Health standards and Ten States standards.

The water mains to be installed will supply properties in an area of Wainscott south of East Hampton Airport in the Town of East Hampton. The project area is delineated on the north by Industrial Road, on the west by Town Line Road and the East Hampton Town line and eastern boundary of the Incorporated Village of Sagaponack, south by the Atlantic Ocean and east by Georgica Pond and Daniels Hole Road. The estimated cost of the main installation and water services is estimated to be \$24,344,878, which is proposed to be financed by the issuance of bonds of the Town.

The SCWA performed a State Environmental Quality Review Act review of the project by preparing and reviewing a Long Environmental Assessment Form Parts I, II and III. The SCWA coordinated its review with the Town and Environmental Facilities Corporation (EFC). On May 4, 2018 the SCWA declared itself Lead Agency and issued a Negative Declaration. The EFC directed SCWA to review this project as a Type I action under SEQRA. The EFC was included within the SEQRA review because it is anticipated that the Town and the SCWA will apply jointly for an EFC Intermunicipal Grant to pay for some or all of this project.

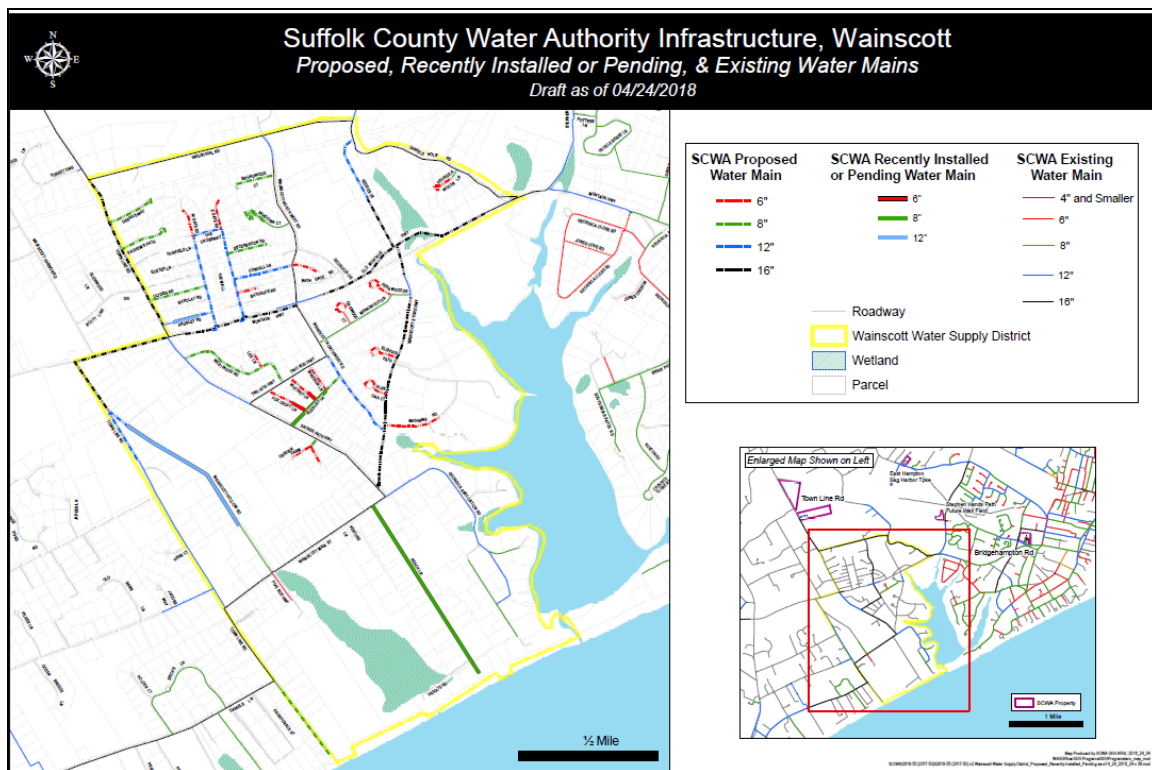
## II. Project Background and History

### A. Background

The Hamlet of Wainscott lies to the south of the Town of East Hampton Airport. The project area is delineated on the north by Industrial Road, on the west by Town Line Road and the East Hampton town line, south by the Atlantic Ocean and east by Georgica Pond, Montauk Highway and Daniels Hole Road. Within this area are approximately 520 residential and commercial properties that are served by private wells. Sampling of these wells by the Suffolk County Department of Health services has revealed the presence of the compounds PFOS and PFOA in these wells. The current EPA Health Advisory for a combination of these compounds is 70 parts per trillion (PPT). Several of the wells have tested above the EPA Health Advisory level.

In order to protect public health, the Town has determined it will be necessary to extend the public water system into the general area of where contamination has been found. Connecting residents to the public water system and disconnecting their private wells from the potable water plumbing system within the structure will ensure that residents are consuming water that is free of contamination.

The Town has worked together with the SCWA to identify those structures that will require connection to the public water system. The SCWA has developed the plans whereby new water mains will be installed along with the house service lines in order to provide for a complete system. There are several locations where water mains had been previously been installed but where all structures along its route had not been connected. This project addresses those structures by including the costs and fees associated with the installation of the service lines needed to connect those structures to the existing main. Figure 1 below is a distribution map in the vicinity of the project area and shows the locations of existing water mains and the location of the proposed water main installations.

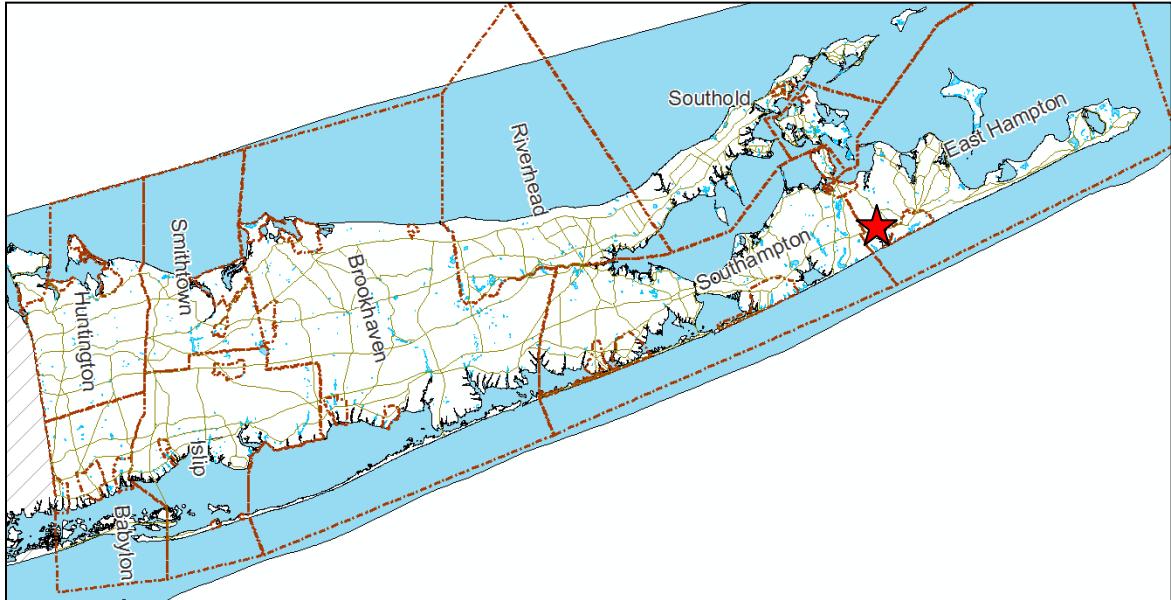


**Figure 1 Distribution Map in the Vicinity of Exist Water Main and Proposed Main Improvement Project**

## B. Site Information

### 1. Location

The accompanying map entitled “Location of Water Main Installation - Suffolk County Regional Map” Figure 2 presents a generalized regional illustration of the location of the main installation in Wainscott. Figure 3 is a contour map of the Wainscott area made from the Light Detection and Ranging (LiDaR) Suffolk County Digital Elevation Model, and Figure 4 is an aerial of the immediate vicinity of the proposed main installation.



**Figure 2 Location of Water Main Installation - Suffolk County Regional Map**

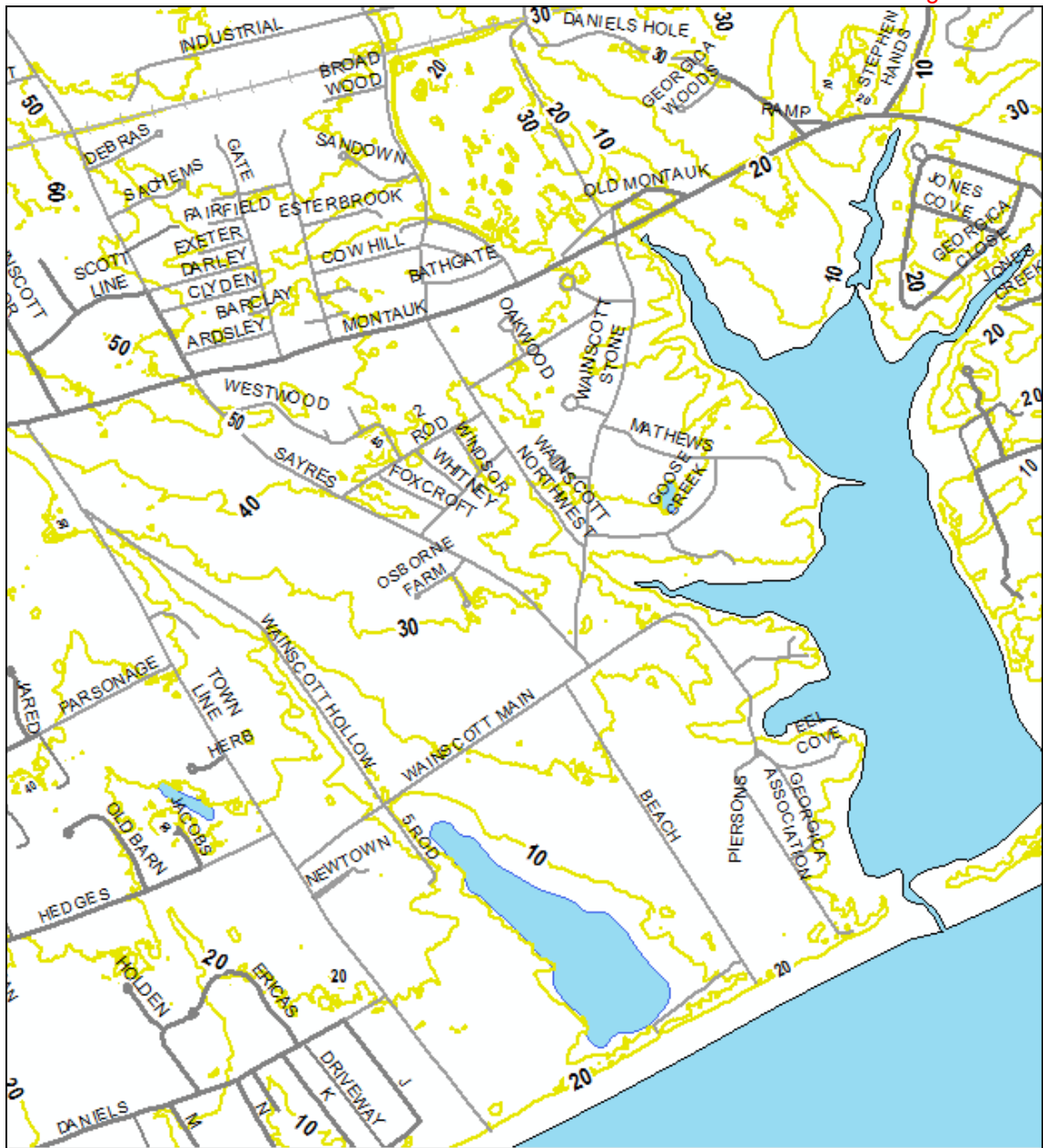


Figure 3 Light Detection and Ranging (LiDAR) Suffolk County Digital Elevation Model



**Figure 4 Aerial of the Immediate Vicinity of the Proposed Main Installation**

1. Natural Resources On or Near Project Site

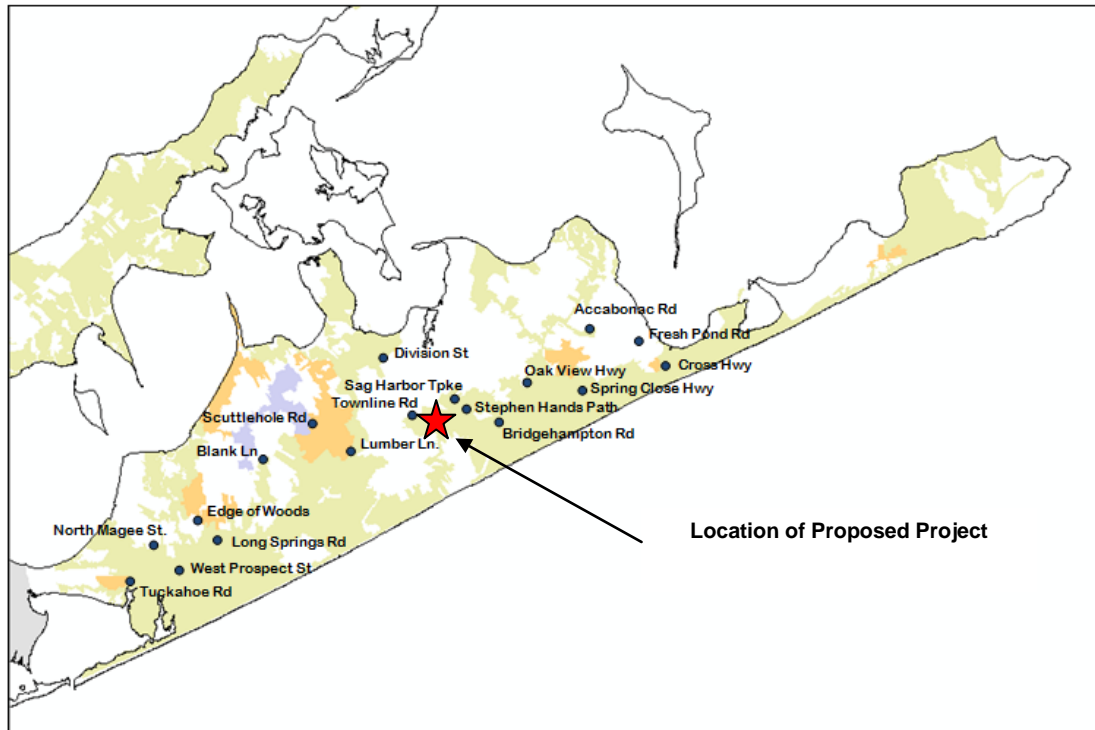
The average depth to bedrock near the project area is approximately 1,350 feet below grade and the predominant soil types present are Carver and Plymouth Sands. Drainage status of the project site soils are well drained. The average depth to the water table in the area of the project site is between 11 and 50 feet below grade.



## C. Ownership and SCWA Service Area

### 1. SCWA Service Area

The overall SCWA service area presently consists of over 40 individual pressure zones, most of which are interconnected. The South Fork Low water supply system serves most of the South Fork. Within the South Fork Low water supply system, there are several intermediate pressure zones that serve higher elevations as well and water from the South Fork Low is boosted to the Montauk Low water supply system during peak demand periods. During the calendar year 2017, the SCWA produced 68.7 billion gallons of water for 386,935 customer accounts providing water to approximately 1.5 million people in Suffolk County. Figure 5 shows SCWA existing facilities in the South Fork Low water supply system and Figure 6 shows SCWA existing facilities in the vicinity of the Wainscott Water Supply District.



**Figure 5 Suffolk County Water Authority  
Existing Facilities in the South Fork Low Water Supply System**



**Figure 6 Suffolk County Water Authority Existing Facilities in the Vicinity of the Wainscott Water Supply District**

## 2. Population Trends and Growth

The SCWA has been studying the population of its water supply systems since 1987, when the Suffolk County Department of Planning (SCDP) compiled its first report. Immediately after that study, the boundaries of some SCWA systems changed, and the population growth in Suffolk County as a whole leveled off. In January of 1996, the original study was updated using more recent data, and predictions were made to the year 2020, accounting for more recent population trends. The SCDP also estimates the seasonal population is 56,225 for this area. According to the Town of East Hampton Hamlet Report January 2018, the population of Wainscott is 719. The SCDP has made the following predictions as to the population within the South Fork Low water supply system service area through 2020:

<u>YEAR</u>	<u>POPULATION</u>
1995	26,470*
2000	30,016*
2010	37,137*
2015	39,181*
2020	40,485

\* Figures do not include seasonal population

## 3. Proposed Town of East Hampton Wainscott Water Supply District

As part of the plan to fund the project the Town of East Hampton will create the Wainscott Water Supply District. Figure 7 shows the boundaries of the district, parcels (872 properties), as well as existing SCWA water main. The Wainscott Water Supply District is the hamlet of Wainscott, in the Town of East Hampton, south of East Hampton Airport. Such area is delineated on the north by Industrial Road, on the west by Town Line Road and the East Hampton Town line and eastern boundary of the Incorporated Village of Sagaponack, south by the Atlantic Ocean and east by Georgica Pond and Daniels Hole Road.



Figure 7 Town of East Hampton Wainscott Water District with existing Suffolk County Water Authority Water Main

#### 4. Growth Inducing Impact and Zoning

The Wainscott Water Supply District is being created to insure a source of clean drinking water throughout an area where perfluorinated chemicals have been detected in numerous private wells (Testing is ongoing, but as of early May, PFCs at varying levels have been detected in 140 out of 268 wells sampled.)

At present, water mains serve only a part of the at-risk area; their extension is not to serve further development and growth outside the hamlet center but specifically to provide safe water to existing residents.

The district includes the Wainscott hamlet center and business district, which contains the largest developable parcel within the water supply district. This parcel is identified in an East Hampton Town planning study, the Wainscott Hamlet Study, as a potential mixed-use development site that could potentially accommodate a transit center, housing, business uses, and open space for recreation.

Outside the hamlet center, the potential for further development and sprawl is constrained by a combination of factors, including the zoning code (most of the large remaining lots are not subdividable, or could be subdivided into only a small number of lots), and various legal restrictions on development of the large parcels, which include farmland protection statutes, town purchases of development rights over agricultural lands and open space, and town land purchases through the Community Protection Fund, which prohibits development.

There is currently a moratorium on development in Wainscott. In addition, a goal of the East Hampton Town Comprehensive Plan is “protection of the existing character” of the town, which includes “prohibiting commercial sprawl between hamlet centers, protecting scenic approaches to hamlet centers, and limiting traffic-producing new development along main arterial roadways.” (East Hampton Town Comprehensive Plan, 2005, p. 110). Land acquisition, upzoning, and other tools and legislation, as mentioned above, have been employed to achieve these goals in Wainscott as in the rest of the town.

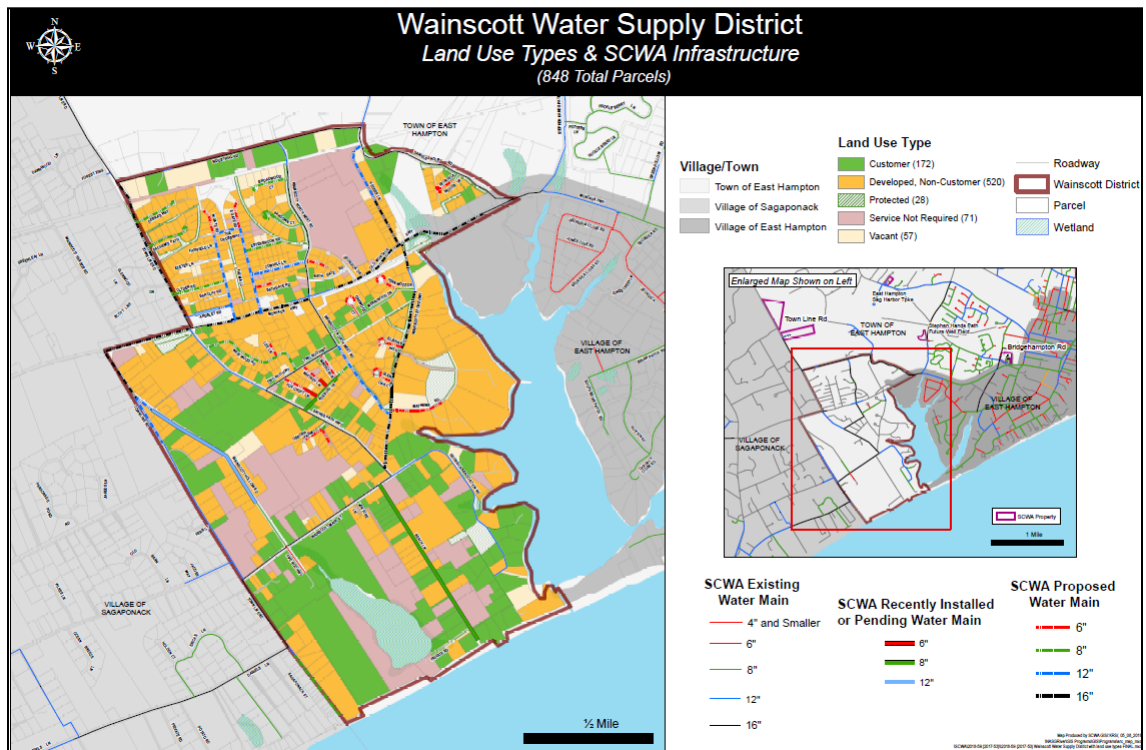
5. Land Use

Table 1

**Wainscott Water District Parcel Breakdown**

SCWA Category	
CUSTOMER	172
DEVELOPED, NON-CUSTOMER	520
PROTECTED	28
SERVICE NOT REQUIRED	71
VACANT	57
<b>Total</b>	<b>848</b>

EH Category	
Improved	762
Protected	29
Vacant	57
<b>Total</b>	<b>858</b>



**Figure 8 Town of East Hampton Wainscott Water District Land Use Types and Suffolk County Water Authority Infrastructure**

### 6. Non-Community Water Supply Systems

According to available data there are eight non-community water supply systems within the area of the proposed project area. The installation of the proposed new water mains will give establishments served by non-community water supply systems the opportunity to connect to the SCWA's water supply system. In addition to improved water quality connecting to the public water supply system will also enhance fire protection and resiliency.

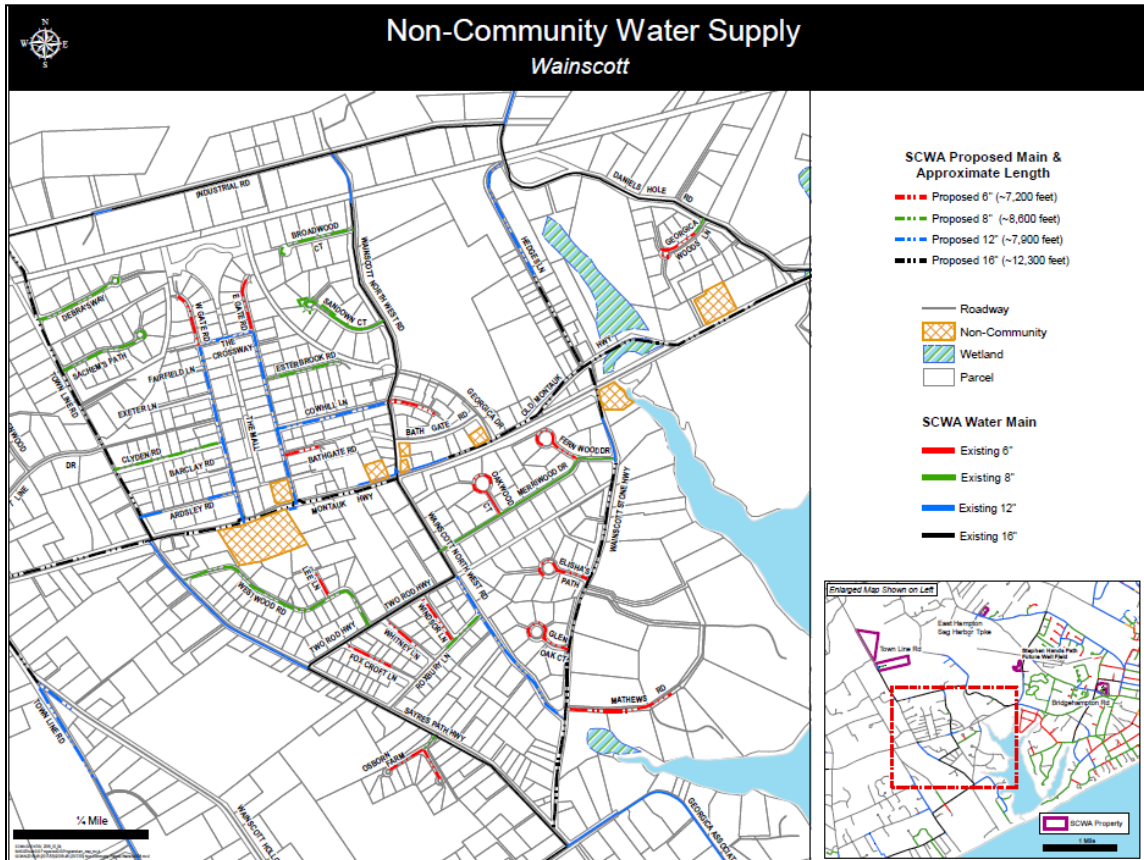


Figure 9 Non-Community Water Supply Systems

## D. Existing Facilities and Present Conditions

## 1. South Fork Low Physical System

Within the South Fork Low water supply system there are seventeen well fields, fifty eight wells and four elevated tanks. In general the number of services in water supply system has remained constant over the past several years. The SCWA expects approximately 520 new customers when service is expanded in the Wainscott area. As shown on the Table 2 there is adequate capacity in the South Fork Low water supply system to serve the addition of 520 potential new customers however it is anticipated that the area will continue to experience growth in the future. In order to meet future peak demand it will be necessary for the SCWA to develop additional sources of supply through the construction of new wells and new well fields. The most recent analysis of customer growth is shown below:

	2013	2014	2015	2016	2017	2018
<b>Number of Services</b>	20,321	20,516	20,629	21,094	21,116	21,169

**Table 2**  
**Peak Demand Analysis**

	2018	Addition of 520 Potential New Services
2018 SCWA Services	21,169	21,689
<b>Peak Demand Rate per Service</b>		
Highest GPM peak demand rate between 2012 and 2016 (39,862 GPM/20,629 Services in 2015)	1.93	1.93
Projected System Peak Demand Rate (GPM)	40,856	41,860
Total system capacity (GPM) from Table 3	42,770	44,070**
Includes capacity from the future Stephen Hands Path well field **		
Less 5% capacity from wells that are Out of Service due to Maintenance	(2139)	(2204)
<b>Difference (GPM)</b>	<b>(225)</b>	<b>6</b>



Table 3

**Suffolk County Water Authority Wells  
South Fork Low Water Supply System**

	S#	WSA#	Decision		Depth	Aq.	Date		Structure	Pump	Authorized Cap. (GPM)
			Date	Dia.			In	Service			
Accabonac Rd 1	123717	10700	12/1/2004	20 x 14	163	G	3/22/06	Bldg.	DWT	1,000	
Accabonac Rd 2	123718	10700	12/01/2004	20 x 14	153	G	3/22/06	Bldg.	DWT	1,000	
Blank Ln 1	128774	10935	8/15/2006	12 x 10	118	G	10/13/11	Bldg.	SUB	350	
Blank Ln 2	130299	10935	8/15/2006	12 x 10	118	G	8/10/11	Bldg.	SUB	350	
Blank Ln 3	134150	10935	8/15/2006	12 x 10	118	G	6/28/16	Bldg.	SUB	350	
Bridgehampton Rd 2A	83707	7557	1/23/1986	12	123	G	5/10/82	Vault	DWT	500	
Bridgehampton Rd 3A	120485	10403	10/18/2002	20 x 14	120	G	10/3/03	Bldg.	DWT	1,020	
Bridgehampton Rd 4	49422	6259	5/1/1973	16 x 12	148	G	7/2/74	Vault	DWT	700	
Bridgehampton Rd 5A	131191	11553	1/10/2012	16 x 14	134	G	10/15/12	Bldg.	DWT	1,000	
Cross Highway 1	30227	6532	5/1/1975	12	151	G	5/28/05	Bldg.	DWT	750	
Cross Highway 2	30228	6748	5/5/1977	12	151	G	4/24/78	None	Sub	350	
Division St. #1A	128139	11172	7/28/2008	20 x 14	163	G	5/27/09	Bldg.	DWT	500	
Division St. #2A	132776	5722	2/24/2014	20 x 10	170	G	3/3/15	Bldg.	DWT	1,000	
Division St. #3	62855	6733	4/18/1977	20 x 10	167	G	3/13/80	Vault	DWT	700	
Division St. #4	96352	8253	8/1/1989	16 x 10	272	M	5/28/92	Vault	DWT	700	
Edge of Woods Rd. #1	69511	7017	12/28/1979	20 x 10	268	M	5/10/82	Vault	DWT	1,000	
Edge of Woods Rd. #2	71892	7156	8/17/1981	16 x 10	366	M	8/17/81	Vault	DWT	1,000	
Edge of Woods Rd. #3	120091	10342	5/11/2004	20 x 14	258	M	8/12/02	Bldg.	DWT	1,000	
Fresh Ponds #1	132094	11592	8/10/2012	20 x 10	123	G	6/16/14	Bldg.	SUB	300	
Fresh Ponds #2	132095	11592	8/10/2012	20 x 10	283	M	6/16/14	Bldg.	SUB	300	
Long Springs Rd. #1A	117831	10322	10/31/2002	20 x 14	100	G	3/18/02	Bldg.	DWT	800	
Long Springs Rd. #3B	122603	10606	4/1/2004	20 x 14	99	G	2/18/05	Bldg.	DWT	500	
Long Springs Rd. #4B	122602	10605	4/1/2004	20 x 14	108	G	2/18/05	Bldg.	DWT	500	
Long Springs Rd. #5B	122601	10595	4/1/2004	20 x 14	99	G	2/18/05	Bldg.	DWT	700	
Long Springs Rd. #6	67819	6928	4/13/1979	16 x 10	284	M	6/26/80	Vault	DWT	700	
Long Springs Rd. #7	112293	9584	11/20/1997	16	265	M	5/19/99	Bldg.	DWT	700	
Lumber Lane #4A	131131	11549	10/14/2011	16 x 14	168	G	8/27/12	Bldg.	DWT	500	
Lumber Lane #5	78612	8767	1985	12 x 8	250	M	5/15/92	Bldg.	DWT	1,000	
Lumber Lane #6	123937	10712	3/17/2005	16	263	M	1/4/06	Bldg.	DWT	700	
Lumber Lane #7	130044	11397	10/27/2010	16 x 14	263	M	7/13/11	Bldg.	DWT	1,000	
N. Magee St. #1	74865	7318	8/22/1983	20 x 10	193	G	7/15/84	Vault	DWT	700	
N. Magee St. #2	79293	7355	8/23/1983	16 x 12	158	G	7/18/86	Vault	DWT	1,000	
N. Magee St. #3	115706	9967	4/5/2000	20 x 14	158	G	2000	Bldg.	DWT	1,000	
N. Magee St #4	133926	11782	6/17/15	20 x14	209	G	6/16/16	Bldg.	DWT	1,000	
Oak View Highway 1A	99275	8621	4/16/1991	16 x 12	222	M	5/27/94	Bldg.	DWT	500	
Oak View Highway 2A	119865	10327	5/01/2002	20 x 10	458	M	7/23/03	Bldg.	DWT	700	
Oak View Highway 3	78310	7488	12/21/1984	16 x 12	303	M	8/27/86	Vault	DWT	500	
Oak View Highway 4	133799	11779	6/2/2015	20 x 10	226	G	7/5/2016	Bldg.	DWT	500	
Sag Harbor Turnpike 1	102721	8789	1/19/1993	20 x 10	383	M	11/20/96	Bldg.	DWT	1,300	
Sag Harbor Turnpike 2	115545	9895	4/1/2000	20 x 10	293	M	1/26/01	Bldg.	DWT	1,300	

Scuttlehole Rd. # 1A	128458	11219	1/30/2009	20 x 10	458	M	12/1/09	Bldg.	DWT	1,000
Scuttlehole Rd. #2	106977	9134	9/26/1994	20 x 10	480	M	5/1/97	Bldg.	DWT	1,300
Scuttlehole Rd. #3	115975	9961	5/12/2000	20 x 10	453	M	7/6/02	Bldg.	DWT	1,300
Spring Close Hwy 1A	118818	10213	8/1/2001	20 x 14	125	G	7/6/02	Bldg.	DWT	1,000
Spring Close Hwy 2	66733	6844	8/29/1978	16 x 12	245	M	8/5/81	Vault	DWT	1,000
Spring Close Hwy 3	121048	10439	1/13/2002	20 x 14	128	G	12/3/03	Bldg.	DWT	1,300
Spring Close Hwy 4	134571	12207	3/28/17	20 x 10	130	G	Future	Bldg	DWT	500
Town Line Rd 1	118737	10398	1/9/2002	20 x 14	435	M	2003	Bldg.	DWT	1,000
Town Line Rd 2	120019	10398	1/9/2002	20 x 14	175	G	2003	Bldg.	DWT	1,000
Town Line Rd 3	130940	11506	6/23/2011	20 x 14	173	G	6/15/12	Bldg.	DWT	1,000
Tuckahoe Rd 1	25449	10218	1/15/2002	10	125	G	11/8/00	Bldg.	DWT	500
Tuckahoe Rd 2	31471	10218	1/15/2002	10	125	G	7/10/01	Pitless	SUB	500
W. Prospect St. #1	55028	6470	10/3/1974	10	160	G	4/30/76	Pitless	SUB	350
W. Prospect St. #2A	99014	8622	3/8/1991	12	252	M	5/25/94	Bldg.	DWT	350
W. Prospect St. #3	125974	10921	7/18/2006	12 x 10	158	G	8/1/07	Pitless	SUB	300
W. Prospect St. #4	125975	10921	7/18/2006	12 x 10	154	G	8/1/07	Pitless	SUB	300
W. Prospect St. #5	128475	11212	12/04/2008	12 x 10	153	G	8/12/09	Pitless	SUB	300
W. Prospect St. #6	131738	11596	7/20/2012	12 x 10	163	G	5/24/13	Pitless	SUB	300

**CURRENT SYSTEM CAPACITY****42,770****Future Well Supply**

Stephen Hands Path wells nos. 1 and 2 each at 650 GPM

1,300

**FUTURE SYSTEM CAPACITY****44070**

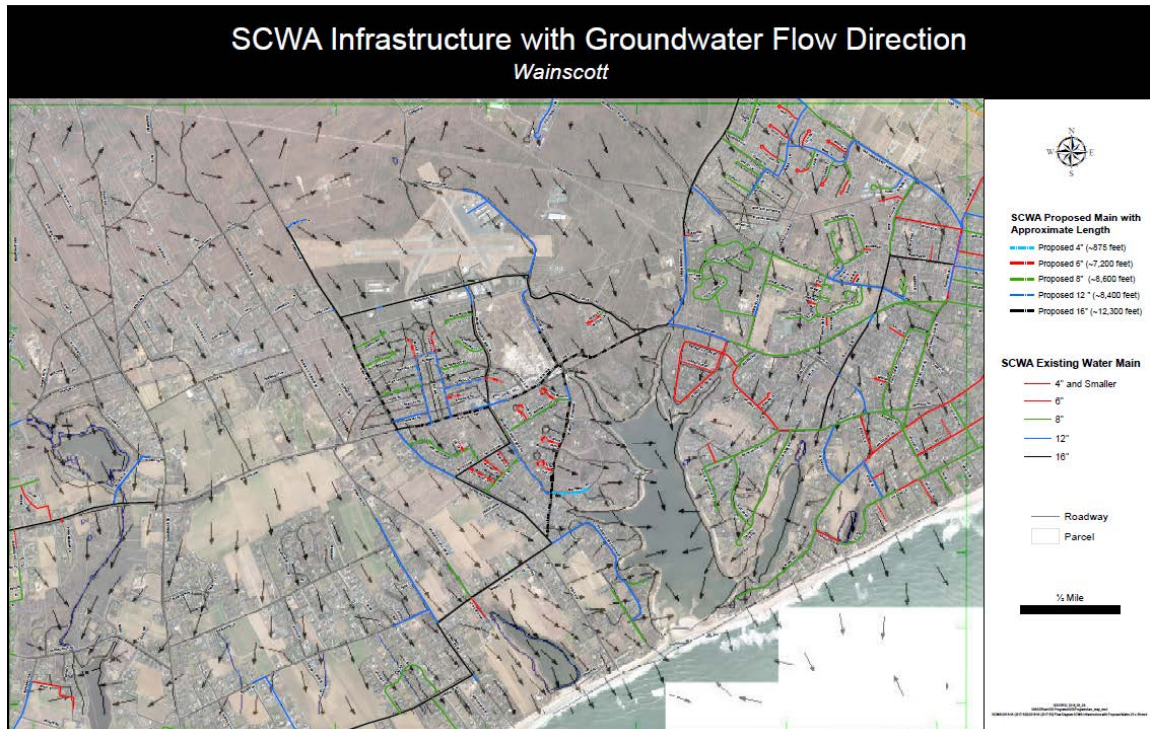
<b>STORAGE FACILITIES</b>	<b>Type</b>	<b>Size (gal.)</b>	<b>Date In Service</b>
Division St.	Standpipe	1,500,000	8/28/1972
Edge of Woods Rd.	Reservoir	2,000,000	4/15/1986
Spring Close Highway	Hydropillar	500,000	4/15/1986
W. Prospect St.	Elevated	1,000,000	7/19/1990
<b>TOTAL STORAGE CAPACITY</b>		<b>5,000,000</b>	

## E. Definition of the Problem

### 1. Water Quality in the Wainscott Water Supply System

The Suffolk County Department of Health Services confirmed the presence of PFOS and PFOA in private wells located south of the East Hampton Airport. Some of the collected samples levels exceed the United States Environmental Protection Agency Health Advisory Levels of 70 parts per trillion.

The Suffolk County Groundwater Model (Suffolk County Water Authority, Suffolk County Department of Health Service, and Camp, Dresser, McKee) was used to illustrate the general direction of groundwater flow in the area surrounding the proposed project location (Figure 10).



**Figure 10 Suffolk County Water Authority Infrastructure with Groundwater Flow Direction**

## F. Secondary Project Benefits

### 1. Fire Flows

Prudent engineering practice would be to provide a minimum of 1,500 GPM available to fight fire at all times for residential customers and business requirements are typically higher. The project area does not have fire flow protection. The proposed water main installations would tie into the existing SCWA distribution system and bring new fire flow protection to the area.

### 2. Resilience and Redundancy

Expanding water main in Wainscott will greatly improve service redundancy by improving the distribution system in the immediate area especially along Town Line Road, Wainscott Stone Highway, and Montauk Highway. The improvement will allow the SCWA to more easily move water to areas in need especially during extended periods of power outages where only pump stations with auxiliary power provide the system with water and pressure.

Consideration of future physical climate risk due to sea-level rise, storm surge, and/or flooding was taken into consideration. A small portion of the proposed main installation at the southern end of Town Line Road is within a designated flood zone, however this is not a concern because the mains are pressurized and buried approximately 4 to 5 feet below grade and thus are unaffected by any overland flooding. If portions of the distribution system were damaged by flooding the SCWA has the capability to isolate broken water main and repair or retire accordingly.

**Table 4**  
**Stand-by Power in the South Fork Low Water Supply System**

STATION	AVAILABLE PUMPS	# OF WELLS GENERATOR WILL OPERATE	# OF WELLS AVAILABLE ON GENERATOR
BRIDGEHAMPTON RD	ALL	4	4
DIVISION ST	ANY TWO	2	3
EDGE OF WOODS RD	ALL 3 BOOSTERS	BSTR	2
LONG SPRINGS RD	ANY 4	4	6
LUMBER LANE STATION	ALL	4 + 1 BSTR	4 + 1 BSTR
OAKVIEW HY	ANY TWO	2	3
SCUTTLEHOLE RD	ALL	3	3
SPRING CLOSE HY	ALL	3	3

G. Financial Status

1. Town of East Hampton Finance Plan

The project will be funded through the creation of a water supply district by the Town of East Hampton. At a meeting of the Town Board of the Town of East Hampton on May 8, 2018, the Town of East Hampton adopted a resolution that provides in relevant part the following description of its financial plan:

WHEREAS, the maximum amount proposed to be expended for the construction of the Water Improvement is estimated to be \$24,344,878, which is proposed to be financed by the issuance of bonds of the Town; and

WHEREAS, the costs of the Water Improvement, including payment of principal of and interest on said bonds as the same may become payable, shall be borne partly by the area of the Town outside of any village and partly by the lands benefited thereby; and

WHEREAS, such costs to be borne partly by the area of the Town outside of any village shall be paid by the assessment, levy and collection of assessments from the several lots and parcels of land in said area in annual installments in the same manner as other Town charges, and such costs to be borne partly by the lands benefited thereby shall be paid by assessment, levy and collection of assessments from the several lots and parcels of land within the Wainscott Water Supply Area which the Town Board shall determine to be especially benefited by the Water Improvement, so much upon and from each as shall be in just proportion to the amount of benefit which the Water Improvement shall confer upon the same, to pay the principal of and interest on said bonds as the same shall become due and payable; and

WHEREAS, any funds received from the United States of America and/or the State of New York shall be applied towards such cost of construction or payment of the principal and/or the interest on the Town's obligations issued therefor, or will be budgeted as an offset to the taxes for the payment of the principal and interest on said obligations; and

WHEREAS, the annual cost of operation and maintenance of said Water Improvement shall be paid by a charge upon the entire area of the Town outside of any villages and shall be levied and collected in the same manner and at the same time as other Town charges;

## 2. Suffolk County Water Authority Estimate for Water Service

Table 5

<b>Suffolk County Water Authority</b>		5/8/2018
<b><u>Wainscott - East Hampton Proposed Wainscott Water Supply District: Estimate for Water Service</u></b>		
		<b>Number of Properties: 520</b>
<b>Existing Water Mains Water Tap/Service Line Costs</b>		
Surcharges for existing mains		\$ 1,032,050
Tap fees		\$ 413,050
<b>Subtotal Taps &amp; Surcharges</b>		<b>\$ 1,445,100</b>
<b>Property Service line costs**</b>		<b>\$ 4,165,718</b>
<b>Existing Water Main: Total Taps &amp; Service Lines total</b>		<b>\$ 5,610,818</b>
<b>New Water mains (no surcharge)</b>		
Tap fees		\$ 904,450
Property Service line costs**		\$ 8,386,370
<b>New water mains Taps and Service Lines total</b>		<b>\$ 9,290,820</b>
<b>Subtotal for all Taps and Service Lines on New and Existing Mains</b>		<b>\$ 14,901,638</b>
<b>Recent Main extensions Installation cost - Ardsley &amp; Foxcroft/Roxbury</b>		<b>\$ 252,433</b>
<b>Total Water Mains to be constructed: Proposed Wainscott Water Supply District</b>		<b>\$ 9,190,807</b>
<b>Grand Total:</b>		<b>\$ 24,344,878</b>
**Estimate using contract bid prices not yet awarded,		

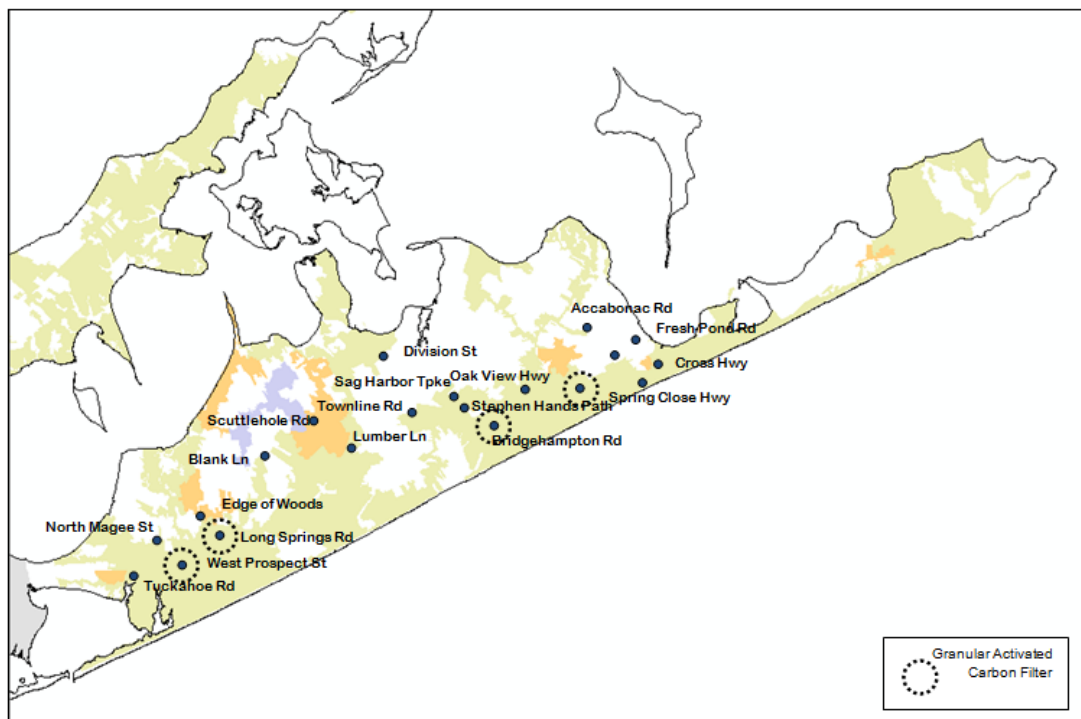
### III. Alternatives Analysis

#### 1. Point of Use and Point of Entry Water Treatment

Point of Use and Point of Entry water treatment devices are designed to treat domestic water use. The amount of water that can be treated varies however in general, a Point of Use device is installed on a single sink and a Point of Entry device is installed on the water line entering the house. The use of either device would require the homeowner to test regularly to ensure that standards for levels of contaminants are maintained. In addition, monitoring the efficiency of the device and replacement of the filtration medium would be an on-going task and expense at each of the approximate 520 new services.

Treating water at the well field to serve the community is considered a more viable option. The SCWA utilizes Granular Activate Carbon adsorption systems which are capable of treating hundreds of gallons of water per minute. Figure 11 shows four locations where Granular Activated Carbon adsorption systems are in service in the South Fork Low water supply system. In addition, the SCWA has adopted a policy to impose limits which are more restrictive than New York State standards for many contaminants.

Furthermore, Point of Use and Point of Entry water treatment devices do not improve fire protection to properties and do not contribute to system wide resiliency or redundancy.



**Figure 11 Map of Suffolk County Water Authority Well Fields with Usage of Remediation/Filtration Equipment in the South Fork Low Water Supply System**

#### 2. No Action

With no action taken the water supply to homes and businesses on private wells that are threatened by contamination from perfluorinated chemicals in the project area would remain the responsibility of the property owners. The installation of new water mains and water services will provide the option for these homes and businesses to connect to the public water supply system.





Related Topics: Envirofacts

FRS

## FRS Facility Detail Report

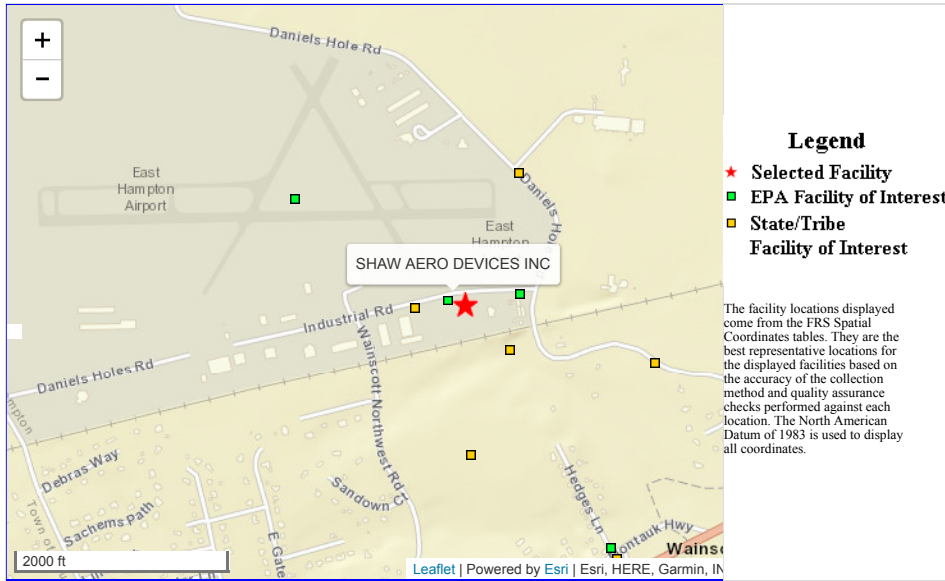
### SHAW AERO DEVICES INC

EPA Registry Id: 110017238130  
 INDUSTRIAL ROAD  
 WAINSCOTT, NY 11975-0000

### Facility Registry Service Links:

- Facility Registry Service (FRS) Overview
- FRS Facility Query
- FRS Organization Query
- EZ Query
- FRS Physical Data Model
- FRS Geospatial Model

[Report an Error](#)



### Environmental Interests

Information System	System Facility Name	Information System Id/Report Link	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	SHAW AERO DEVICES INC	NYD013518477	UNSPECIFIED UNIVERSE (N)	RCRAINFO	04/14/2015	

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Facility Coordinates Viewer](#) [Environmental Justice Map Viewer](#) [Watershed Report](#)

#### Standard Industrial Classification Codes (SIC)

No SIC Codes returned.

#### Facility Codes and Flags

EPA Region:	02
Duns Number:	
Congressional District Number:	01
Legislative District Number:	
HUC Code/Watershed:	02030202 / SOUTHERN LONG ISLAND
US Mexico Border Indicator:	
Federal Facility:	NO
Tribal Land:	NO

#### Alternative Names

No Alternative Names returned.

#### Organizations

No Organizations returned.

#### National Industry Classification System Codes (NAICS)

Data Source	NAICS Code	Description	Primary
RCRAINFO	336992	MILITARY ARMORED VEHICLE, TANK, AND TANK COMPONENT MANUFACTURING.	
RCRAINFO	336413	OTHER AIRCRAFT PARTS AND AUXILIARY EQUIPMENT MANUFACTURING.	

#### Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
FACILITY MAILING ADDRESS	12291 TOWNE LAKE DR	FORT MYERS	NY	339130000	RCRAINFO

#### Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
REGULATORY CONTACT	ROBERT CAHILL	8137685644 9999	RCRAINFO	

Query executed on: JUL-10-2018

Last updated on September 24, 2015

# Appendix E

**Stephen Hands Path Wells Nos. 1 & 2**

Stephen Hands Path  
East Hampton, NY 11937

Inquiry Number: 5152136.2s  
January 05, 2018

## The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

STEPHEN HANDS PATH  
EAST HAMPTON, NY 11937

#### COORDINATES

Latitude (North):	40.9643310 - 40° 57' 51.59"
Longitude (West):	72.2335500 - 72° 14' 0.78"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	732807.2
UTM Y (Meters):	4538272.0
Elevation:	39 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5939183 EAST HAMPTON, NY
Version Date:	2013
Southwest Map:	5939187 SAG HARBOR, NY
Version Date:	2013

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150507
Source:	USDA

MAPPED SITES SUMMARY
----------------------

Target Property Address:  
STEPHEN HANDS PATH  
EAST HAMPTON, NY 11937

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	KEENER'S EAST END LI	24 GOODFRIEND DR	RCRA-CESQG, FINDS, ECHO, NJ MANIFEST, NY MANIFEST	Higher	2707, 0.513, WNW
2	HAMPTON COUNTRY DAY	191 BUCKSKILL RD	FINDS	Lower	2732, 0.517, ESE
3	ROSS SCHOOL ATTN FAC	18 GOODFRIEND DR	NY UST	Higher	2758, 0.522, NW
A4	VETERINARY CLINIC OF	3 GOOD FRIEND DR	RCRA-CESQG, FINDS, ECHO, NJ MANIFEST, NY MANIFEST	Higher	2945, 0.558, NW
A5	VET CLINIC	3 GOODFRIEND DR	FINDS	Higher	2945, 0.558, NW
A6	THE ROSS SCHOOL	18 GOODFRIEND DRIVE	NY LTANKS	Higher	2966, 0.562, NW
A7	ROSS SCHOOL PROPERTY	18 GOODFRIEND DR	FINDS	Higher	2966, 0.562, NW
8	VETERINARY CLINIC OF	FOUR GOODFRIEND DR S	FINDS, ECHO	Higher	3011, 0.570, NW
9	4 GOODFRIEND PARK IN	4 GOODFRIEND DR	NY UST	Higher	3060, 0.580, NW
10	ANIMAL RESCUE FUND O	90 DANIELS HOLE RD S	FINDS	Lower	3455, 0.654, SSW
11	EAST HAMPTON INDOOR	175 DANIELS HOLE RD	FINDS	Lower	3526, 0.668, SW
12	ANIMAL RESCUE FUND O	90 DANIELS HOLE RD	NY UST	Lower	3829, 0.725, SW
13	WAINSCOTT FARMS	3 INDUSTRIAL ROAD	FINDS, ECHO	Lower	4063, 0.770, SW
14	POND ACQUISITION COR	253 MONTAUK HWY	FINDS	Lower	4169, 0.790, South
15	ST RTE 27 & RTE 113	SUNRISE HWY AND STEP	FINDS	Lower	4214, 0.798, SSE
16	POND ACQUISITION COR	249 MONTAUK HWY	FINDS	Lower	4222, 0.800, SSE
17	SOUTHAMPTON BRICK &	RTE 27A & DANIEL HOL	NY LTANKS	Lower	4289, 0.812, South
B18	SHAW AERO DEVICES IN	INDUSTRIAL ROAD	FINDS, ECHO	Lower	4419, 0.837, SW
19	POND ACQUISITION COR	291 MONTAUK HWY	FINDS	Lower	4471, 0.847, South
B20	EAST HAMPTON AIR	INDUSTRIAL RD	FINDS, ECHO	Lower	4512, 0.855, SW
21	TURNPIKE COMMERCIAL	ROUTE 114 & PLANK RO	FINDS	Higher	4563, 0.864, NW
22	39 INDUSTRIAL ROAD L	39 INDUSTRIAL RD	FINDS	Lower	4911, 0.930, SW
C23	EAST HAMPTON AIRPORT	INDUSTRIAL ROAD	NY LTANKS, NY Spills	Lower	5125, 0.971, WSW
24	HALPERN PROPERTY	48 GEORGICA CLOSE RD	FINDS	Lower	5126, 0.971, SSE
C25	EASTHAMPTON AIRPORT	DANIEL SHORE ROAD	NY LTANKS	Lower	5146, 0.975, WSW
26	SOUTH FORK ANIMAL HO	MONTAUK HWY	RCRA-CESQG, NY MANIFEST	Lower	5181, 0.981, SSE

## EXECUTIVE SUMMARY

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal NPL site list***

NPL..... National Priority List  
 Proposed NPL..... Proposed National Priority List Sites  
 NPL LIENS..... Federal Superfund Liens

#### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

#### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
 SEMS..... Superfund Enterprise Management System

#### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

#### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

#### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

#### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
 RCRA-SQG..... RCRA - Small Quantity Generators

#### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
 US ENG CONTROLS..... Engineering Controls Sites List  
 US INST CONTROL..... Sites with Institutional Controls

## EXECUTIVE SUMMARY

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent CERCLIS***

NY SHWS..... Inactive Hazardous Waste Disposal Sites in New York State

### ***State and tribal landfill and/or solid waste disposal site lists***

NY SWF/LF..... Facility Register

### ***State and tribal leaking storage tank lists***

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

NY HIST LTANKS..... Listing of Leaking Storage Tanks

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing

NY CBS UST..... Chemical Bulk Storage Database

NY MOSF UST..... Major Oil Storage Facilities Database

NY CBS..... Chemical Bulk Storage Site Listing

NY MOSF..... Major Oil Storage Facility Site Listing

NY AST..... Petroleum Bulk Storage

NY CBS AST..... Chemical Bulk Storage Database

NY MOSF AST..... Major Oil Storage Facilities Database

INDIAN UST..... Underground Storage Tanks on Indian Land

NY TANKS..... Storage Tank Facility Listing

### ***State and tribal institutional control / engineering control registries***

NY RES DECL..... Restrictive Declarations Listing

NY ENG CONTROLS..... Registry of Engineering Controls

NY INST CONTROL..... Registry of Institutional Controls

### ***State and tribal voluntary cleanup sites***

NY VCP..... Voluntary Cleanup Agreements

INDIAN VCP..... Voluntary Cleanup Priority Listing

### ***State and tribal Brownfields sites***

NY BROWNFIELDS..... Brownfields Site List

NY ERP..... Environmental Restoration Program Listing

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

NY SWTIRE..... Registered Waste Tire Storage & Facility List

## EXECUTIVE SUMMARY

NY SWRCY.....	Registered Recycling Facility List
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
IHS OPEN DUMPS.....	Open Dumps on Indian Land

### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL.....	Delisted National Clandestine Laboratory Register
NY DEL SHWS.....	Delisted Registry Sites
US CDL.....	National Clandestine Laboratory Register

### **Local Lists of Registered Storage Tanks**

NY HIST UST.....	Historical Petroleum Bulk Storage Database
NY HIST AST.....	Historical Petroleum Bulk Storage Database

### **Local Land Records**

NY LIENS.....	Spill Liens Information
LIENS 2.....	CERCLA Lien Information

### **Records of Emergency Release Reports**

HMIRS.....	Hazardous Materials Information Reporting System
NY Hist Spills.....	SPILLS Database

### **Other Ascertainable Records**

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees



## EXECUTIVE SUMMARY

INDIAN RESERV.	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
NY AIRS	Air Emissions Data
NY COAL ASH	Coal Ash Disposal Site Listing
NY DRYCLEANERS	Registered Drycleaners
NY E DESIGNATION	E DESIGNATION SITE LISTING
NY Financial Assurance	Financial Assurance Information Listing
NY HSWDS	Hazardous Substance Waste Disposal Site Inventory
NY SPDES	State Pollutant Discharge Elimination System
NY VAPOR REOPENED	Vapor Intrusion Legacy Site List
NY UIC	Underground Injection Control Wells

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

NY RGA HWS	Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF	Recovered Government Archive Solid Waste Facilities List

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

### STANDARD ENVIRONMENTAL RECORDS

#### ***Federal RCRA generators list***

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/13/2017 has revealed that there are 3 RCRA-CESQG sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>KEENER'S EAST END LI</b>	<b>24 GOODFRIEND DR</b>	<b>WNW 1/2 - 1 (0.513 mi.)</b>	<b>1</b>	<b>8</b>
<b>VETERINARY CLINIC OF</b>	<b>3 GOOD FRIEND DR</b>	<b>NW 1/2 - 1 (0.558 mi.)</b>	<b>A4</b>	<b>19</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>SOUTH FORK ANIMAL HO</b>	<b>MONTAUK HWY</b>	<b>SSE 1/2 - 1 (0.981 mi.)</b>	<b>26</b>	<b>52</b>

#### ***State and tribal leaking storage tank lists***

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 10/31/2017 has revealed that there are 4 NY LTANKS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THE ROSS SCHOOL Date Closed: 2005-06-06 Site ID: 136827 Site ID: 136828 Site ID: 136829 Site ID: 136830 Site ID: 136831 <i>*Additional key fields are available in the Map Findings section</i> Program Number: 0403767 Program Number: 0405015 Program Number: 0425201 Program Number: 0425202 Program Number: 0425203 <i>*Additional key fields are available in the Map Findings section</i>	18 GOODFRIEND DRIVE	NW 1/2 - 1 (0.562 mi.)	A6	28
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SOUTHAMPTON BRICK &	RTE 27A & DANIEL HOL	S 1/2 - 1 (0.812 mi.)	17	45



## EXECUTIVE SUMMARY

manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/23/2017 has revealed that there are 18 FINDS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>KEENER'S EAST END LI</b>	<b>24 GOODFRIEND DR</b>	<b>WNW 1/2 - 1 (0.513 mi.)</b>	<b>1</b>	<b>8</b>
<b>VETERINARY CLINIC OF</b>	<b>3 GOOD FRIEND DR</b>	<b>NW 1/2 - 1 (0.558 mi.)</b>	<b>A4</b>	<b>19</b>
VET CLINIC	3 GOODFRIEND DR	NW 1/2 - 1 (0.558 mi.)	A5	28
ROSS SCHOOL PROPERTY	18 GOODFRIEND DR	NW 1/2 - 1 (0.562 mi.)	A7	36
<b>VETERINARY CLINIC OF</b>	<b>FOUR GOODFRIEND DR S</b>	<b>NW 1/2 - 1 (0.570 mi.)</b>	<b>8</b>	<b>37</b>
TURNPIKE COMMERCIAL	ROUTE 114 & PLANK RO	NW 1/2 - 1 (0.864 mi.)	21	48
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HAMPTON COUNTRY DAY	191 BUCKSKILL RD	ESE 1/2 - 1 (0.517 mi.)	2	12
ANIMAL RESCUE FUND O	90 DANIELS HOLE RD S	SSW 1/2 - 1 (0.654 mi.)	10	41
EAST HAMPTON INDOOR	175 DANIELS HOLE RD	SW 1/2 - 1 (0.668 mi.)	11	41
<b>WAINSCOTT FARMS</b>	<b>3 INDUSTRIAL ROAD</b>	<b>SW 1/2 - 1 (0.770 mi.)</b>	<b>13</b>	<b>44</b>
POND ACQUISITION COR	253 MONTAUK HWY	S 1/2 - 1 (0.790 mi.)	14	44
ST RTE 27 & RTE 113	SUNRISE HWY AND STEP	SSE 1/2 - 1 (0.798 mi.)	15	45
POND ACQUISITION COR	249 MONTAUK HWY	SSE 1/2 - 1 (0.800 mi.)	16	45
<b>SHAW AERO DEVICES IN</b>	<b>INDUSTRIAL ROAD</b>	<b>SW 1/2 - 1 (0.837 mi.)</b>	<b>B18</b>	<b>46</b>
POND ACQUISITION COR	291 MONTAUK HWY	S 1/2 - 1 (0.847 mi.)	19	47
<b>EAST HAMPTON AIR</b>	<b>INDUSTRIAL RD</b>	<b>SW 1/2 - 1 (0.855 mi.)</b>	<b>B20</b>	<b>47</b>
<b>39 INDUSTRIAL ROAD L</b>	<b>39 INDUSTRIAL RD</b>	<b>SW 1/2 - 1 (0.930 mi.)</b>	<b>22</b>	<b>48</b>
HALPERN PROPERTY	48 GEORGICA CLOSE RD	SSE 1/2 - 1 (0.971 mi.)	24	50

## EXECUTIVE SUMMARY

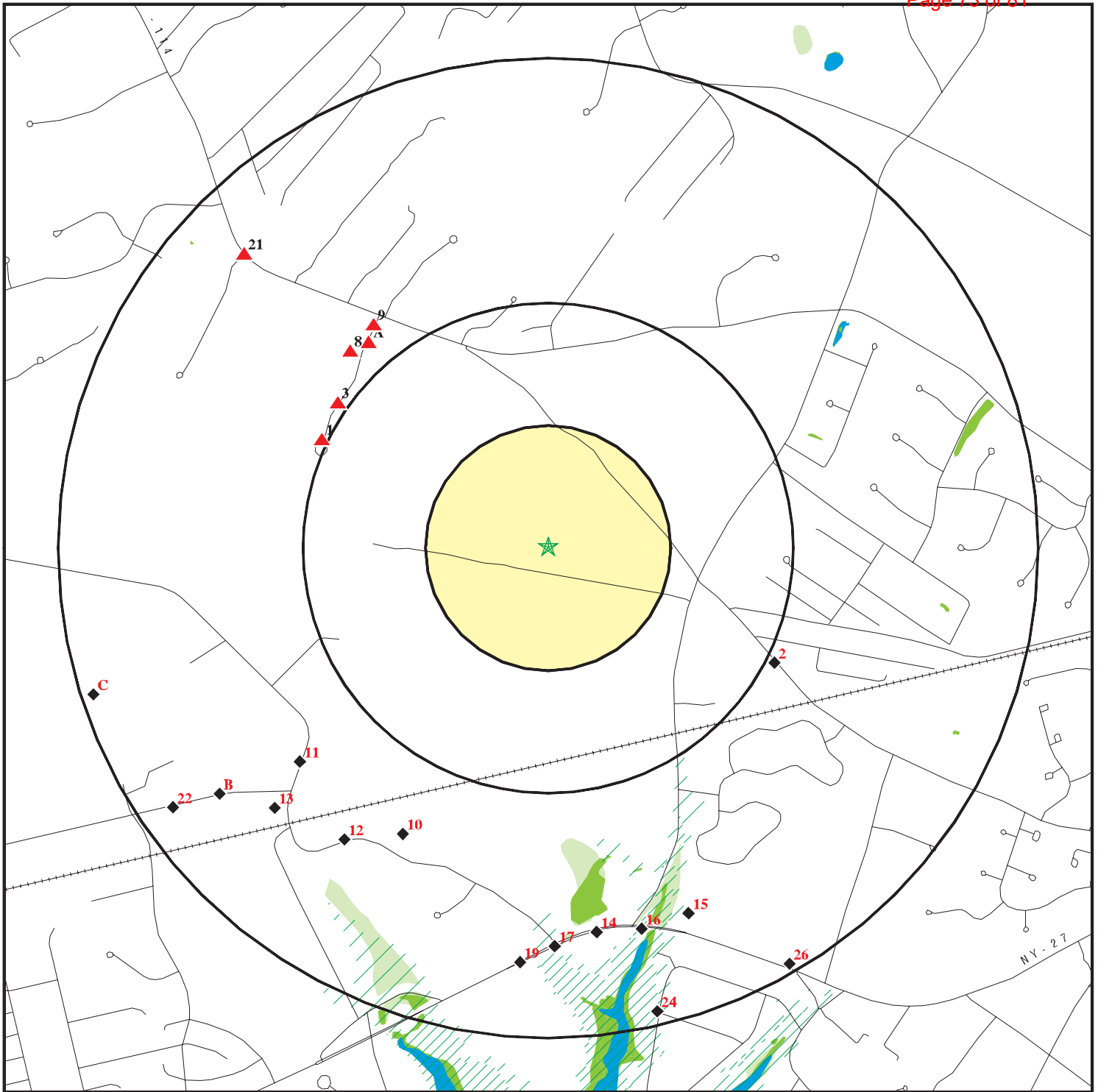
Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name

BULL PATH LANDFILL

Database(s)

SEMS-ARCHIVE



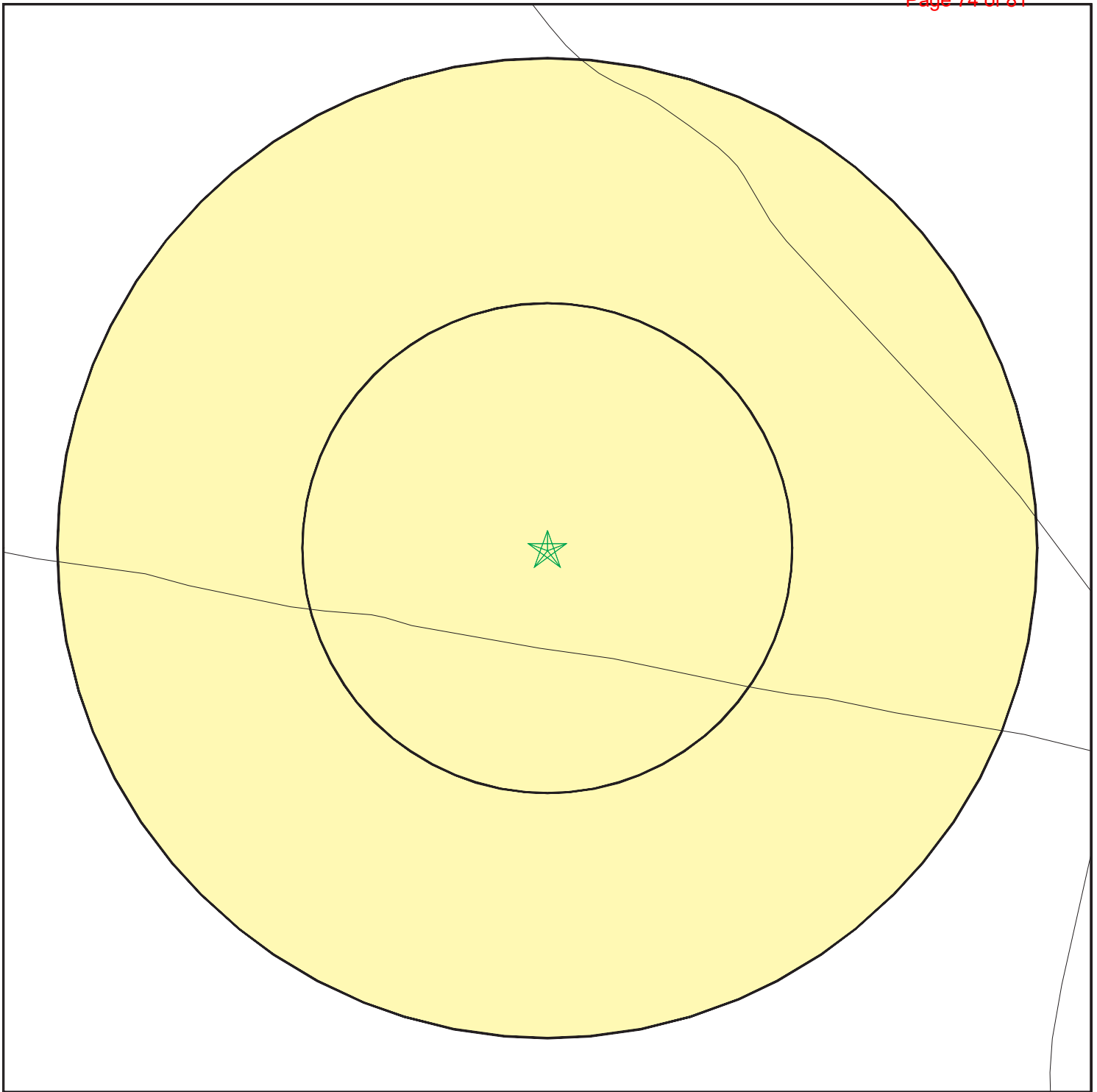
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
  - 100-year flood zone
  - 500-year flood zone
  - National Wetland Inventory
  - State Wetlands
- 0 1/4 1/2 1 Miles

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Stephen Hands Path Wells Nos. 1 & 2  
 ADDRESS: Stephen Hands Path  
 East Hampton NY 11937  
 LAT/LONG: 40.964331 / 72.23355

CLIENT: Suffolk County Water Authority  
 CONTACT: Rich Bova  
 INQUIRY #: 5152136.2s  
 DATE: January 05, 2018 5:52 pm



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites



 Indian Reservations BIA



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Stephen Hands Path Wells Nos. 1 & 2  
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 East Hampton NY 11937  
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CLIENT: Suffolk County Water Authority  
 CONTACT: Rich Bova  
 INQUIRY #: 5152136.2s  
 DATE: January 05, 2018 5:53 pm

**NEW YORK**

**Appendix F**

REPORTED RCRA LARGE QUANTITY GENERATORS GROUPED BY TONS OF RCRA GENERATION\*

- THOSE GENERATING 13.2 OR MORE TONS
- THOSE GENERATING 1.1 OR MORE TONS BUT LESS THAN 13.2 TONS
- THOSE GENERATING LESS THAN 1.1 TON

**GENERATORS REPORTING 1.1 OR MORE TONS BUT LESS THAN 13.2 TONS RCRA HAZARDOUS WASTE GENERATION IN 1993,**

CONTINUED

EPA ID	GENERATOR NAME	LOCATION CITY	RCRA TONS GENERATED
NYD002100873	RENOLD INC	WESTFIELD	12.541
NYD986933232	RIP VAN WINKLE BRIDGE	CATSKILL	1.629
NYD000726786	RITE-OFF INC	BAY SHORE	12.749
NYD981180888	RIVERSIDE PRINTERS	BUCHANAN	4.100
NYD012686457	ROBISON & SMITH INC	GLOVERSVILLE	10.800
NYD980537187	ROCHESTER ELECTRIC & GAS CORP - JEFFERSON	HENRIETTA	6.970
NYD043069996	ROCHESTER ELECTRIC & GAS CORP - BEEBEE S	ROCHESTER	2.588
NYD002215184	ROCHESTER FORM MACHINE INC	ROCHESTER	6.723
NYD000692376	ROCHESTER GAS & ELECTRIC CORP - GINNA ST	ONTARIO	2.736
NYD043071141	ROCHESTER GAS & ELECTRIC CORP - RUSSELL	ROCHESTER	3.292
NYD043078385	ROCHESTER GENERAL HOSPITAL	ROCHESTER	3.482
NYD002223642	ROCHESTER INSTITUTE OF TECHNOLOGY	ROCHESTER	9.161
NYD002220556	ROCHESTER INSTRUMENT SYSTEMS INC	ROCHESTER	11.709
NYD002220523	ROCHESTER METAL ETCHING	ROCHESTER	2.332
NYD986971604	ROCHESTER POLICE AND FIRE ACADEMY	ROCHESTER	3.040
NYD986983757	ROCHESTER RIVERSIDE CONVENTION CENTER	ROCHESTER	8.319
NYD986931152	ROME, CITY OF DPW	ROME	10.667
NYD002220598	RON INK INC	ROCHESTER	9.261
NYD987034725	ROSCO INC	JAMAICA	1.276
NYD083534115	ROSWELL PARK CANCER INSTITUTE NYSDH	BUFFALO	10.905
NYD982535783	ROUSSEL UCLAF CORPORATION	MIDDLEPORT	3.500
NYD001520279	RSA CORPORATION	ARDSLEY	9.388
NYD013081062	RUGES OLDSMOBILE INC	RHINEBECK	4.726
NYD000824581	SAFETY KLEEN	SYRACUSE	6.950
NYD981876923	SAFETY KLEEN	SYRACUSE	2.382
NYD986872869	SAFETY KLEEN	COHOES	2.342
NYD153876404	SAFETY KLEEN OIL SERVICES	BUFFALO	7.220
NYD980534358	SAINT BONAVENTURE UNIVERSITY	ST BONAVENTURE	1.435
NYD990764474	SCHLEGEL CORPORATION	ROCHESTER	8.556
NYD987037496	SCHNEIDER OIL CO INC	NAPLES	1.376
NYD982271793	SCI SYSTEMS, INC	OWEGO	9.797
NYD075782987	SEARLES GRAPHICS INC	EAST PATCHOGUE	4.812
NYD002206480	SENTRY GROUP	ROCHESTER	6.587
NYD982794489	SEROTTA SPORTS	MIDDLE GROVE	2.063
NYD986992170	SERVICE STATION	SAG HARBOR	2.294
NYD987039963	SERVICE STATION RENTALS INC	HAMBURG	1.147
<b>NYD013518477</b>	<b>SHAW AERO DEVICES INC</b>	<b>WAINSCOTT</b>	<b>12.527</b>
NYD980784003	SHELL OIL COMPANY	KINGS PARK	4.108
NYD981133358	SHELL OIL COMPANY	PLAINVIEW	3.423
NYD981184450	SHELL OIL COMPANY	ISLIP TERRACE	2.178
NYD982269979	SHELL OIL COMPANY	HUNTINGTON	3.195
NYD982270019	SHELL OIL COMPANY	ROSLYN HEIGHTS	2.282
NYD982271223	SHELL OIL COMPANY	LAKE GROVE	6.750
NYD982720294	SHELL OIL COMPANY	FLORAL PARK	4.108
NYD986899805	SHELL OIL COMPANY	HEWLETT	6.750
NYD986932622	SHELL OIL COMPANY	PT. JEFFERSON	3.500
NYD986932648	SHELL OIL COMPANY	MELVILLE	7.150
NYD986932671	SHELL OIL COMPANY	DEER PARK	5.500
NYD986944684	SHELL OIL COMPANY	BOHEMIA	5.000
NYD986946176	SHELL OIL COMPANY	MASSAPEQUA	1.200
NYD987008067	SHELL OIL COMPANY	ELMONT	8.750
NYD987008083	SHELL OIL COMPANY	ASTORIA	8.500
NYD987028446	SHELL OIL COMPANY	MASSAPEQUA	1.250
NYD987035391	SHELL OIL COMPANY	EAST MEADOW	3.900
NYD055852362	SHERIDAN CATHETER CORP.	ARGYLE	2.621
NYD077508380	SHERWIN WILLIAMS	GARDEN CITY	8.636
NYD030228415	SHERWIN WILLIAMS CO	CHEEKTOWAGA	11.489
NYD000706077	SHOREHAM NUCLEAR POWER STATION	WADING RIVER	4.505

\* Please refer to the introduction for an explanation of this list.



**National Biennial RCRA Hazardous Waste Report: Based on 1991 Data****NEW YORK**

## REPORTED RCRA LARGE QUANTITY GENERATORS GROUPED BY TONS OF RCRA GENERATION\*:

- THOSE GENERATING 13.2 OR MORE TONS
- THOSE GENERATING 1.1 OR MORE TONS BUT LESS THAN 13.2 TONS
- THOSE GENERATING LESS THAN 1.1 TON

**GENERATORS REPORTING 13.2 OR MORE TONS RCRA HAZARDOUS WASTE GENERATION IN 1991, CONTINUED**

EPA ID	GENERATOR NAME	LOCATION CITY	RCRA TONS GENERATED
NYD082758004	QUALICOAT, INC.	ROCHESTER	22.242
NYD980592448	QUANTARESOUR	SYRACUSE	126.602
NYD001311471	R&A SPECIALTY CHEMICAL CO INC	BROOKLYN	30.000
NYD041296286	RADAX IND	WEBSTER	19.378
NYD982744914	RAWLINGS ADIRONDACK	DOLGEVILLE	533.400
NYD083527713	RECRA ENVIROMENTAL INC	TONAWANDA	41.170
NYD986950020	RED STAR EXPRESS	BINGHAMTON	105.000
NYD070572912	REFINED SUGARS INC	YONKERS	17.720
NYD055054985	REICHOLD	CHEEKTOWAGA	88.643
NYD002240638	REHINGTON ARMS COMPANY INC	ILTON	409.594
NYD002430742	RENSSLAER POLYTECH INST	TROY	17.083
NYD071586127	REVERE COPPER PRODUCTS INC	ROME	98,271.450
NYD056308315	REYNOLDS METALS	MIDDLETOWN	24.641
NYD002215184	ROCH FORM MA	ROCHESTER	27.400
NYD043069996	ROCH G & E COR	ROCHESTER	21.630
NYD002220457	ROCHESTER STEEL TREATING	ROCHESTER	21.400
NYD002210565	ROEHLEN ENGR	ROCHESTER	38.000
NYD000764936	ROEHR CHEMICALS INC	LONG ISLAND CITY	44.469
NYD002228419	ROLLWAY BEARING	LIVERPOOL	20.870
NYD006977086	ROTH BROS. SMELTING CORP	EAST SYRACUSE	1,195.675
NYD002920312	RUCO POLYMER	HICKSVILLE	22.835
NYD052801990	S&S INDUSTRIES	BRONX	26.700
NYD986908994	SALT CITY COGENERATION PROJECT	SYRACUSE	326.159
NYD096935077	SAUGERTIES PKG.	SAUGERTIES	16.267
NYD000818807	SCHENECTADY CHEMICALS INC	SCHENECTADY	34.298
NYD002070100	SCHENECTADY CHEMICALS, INC.	SCHENECTADY	1,176.075
NYD002070118	SCHENECTADY CHEMICALS, INC.	SCHENECTADY	17,182.263
NYD990764474	SCHLEGEL CORPORATION	ROCHESTER	13.821
NYD002204436	SCHWEIZER A1	BIG FLATS	30.002
NYD982271793	SCI SYSTEMS INC.	OWEGO	15.440
NYD042569772	SCOTT AVIATION DIV. OF FIGGIE INTERNATIO	LANCASTER	293.206
NYD002066132	SCOTT PAPER	FORT EDWARD	49.224
NYD213820830	SENECA ARMY	ROMULUS	140.299
NY0213820830	SENECA ARMY	ROMULUS	149.058
NYD013518477	SHAW AERO	WAINSCOTT	29.501
NYD000632141	SHELL OIL CO	BROOKLYN	24.557
NYD986941227	SHELL OIL CO	HAUPPAUGE	61.650
NYD030271217	SHELL OIL IN	INWOOD	57.345
NYD002206571	SHEPARD NILE	MONTOUR FALLS	25.500
NYD002104461	SHERWOOD DIV OF HARSCO	LOCKPORT	48.731
NYD000706077	SHOREHAM NPS	WADING RIVER	18.069
NYD010026391	SHOREWOOD	FARMINGDALE	78.648
NYD008923526	SID HARVEY	VALLEY STREAM	63.634
NYD002239598	SIMMONDS PRE	NORWICH	142.754
NYD002246023	SMITH CORONA CORP	CORTLAND	22.211
NYD981877020	SOMMERVILLE PACKAGING	ROCHESTER	21.117
NYD099340408	SONOCO FIBRE DRUM, INC.	TONAWANDA	21.876
NYD002209013	SOUTHC0 INC	HONOYE FALLS	22.560
NYD025597048	SOUTHERN CONTAINER CORP	DEER PARK	15.138
NYD986904464	SOUTHERN GRAVURE SERVICE	PHOENIX	87.067
NYD982720914	SPALDING	GLOVERSVILLE	38.245
NYD002104404	SPAULDING COMPOSITES COMPANY	TONAWANDA	142.411
NYD002241669	SPECIAL META	NEW HARTFORD	214.763
NYD002215838	SPECIALIZED PRINTED FORMS	CALEDONIA	65.100
NYD044466910	SPECTRUM FINISHING CORP	WEST BABYLON	139.000
NYD000631960	SPRAYLAT COR	MT VERNON	68.034
NYD001315266	STANDARD MOTOR PRODUCTS	LONG ISLAND CITY	117.129
NYD091970202	STANDARD PRINTED CIRCUITS, INC.	SHERBURNE	18.284

\* Please refer to the introduction for an explanation of this list. Also, please note that this State used a large quantity generator definition that is different from the federal definition.

# Appendix G

## ABOUT US

### About Shaw Development, LLC

Shaw Development, LLC (<http://www.shawdev.com/>) is a global fluids management specialist providing innovative component and system level solutions to OEM's within the commercial and military heavy duty ground vehicle markets. See corporate website: [http://www.shawdev.com/About\\_Us](http://www.shawdev.com/About_Us) (<http://www.shawdev.com/about.html>).

Shaw's aim is continuous and intelligent investment in research and core competence to develop processes, equipment and systems expertise establishing Shaw as a seamless extension of its customer's development team.

Shaw specializes in custom engineering, prototyping, short-run production verification and manufacturing of its customer's fuel system, hydraulic fluid line component, plastics injection molding and Diesel Emissions Fluid (DEF) challenges. Shaw's proven staff, dedicated to operational excellence, is poised to become your technology partner.

### SHAW COMPANY HISTORY

Shaw Development is proud of its heritage. Currently owned by the third generation of Shaws, the company traces its roots through successful companies, challenging industries and great forbearers.

Frank Shaw started the first Shaw company in 1944. Shaw Metal Products was a New York based machine shop supporting the military through the end of World War II and the burgeoning regional aerospace market.

Shaw Aero Devices, Inc. was founded in 1954 to place higher emphasis on the development of intellectual property and to start building strength in engineering as the company's core capability. Frank's son, Jim Shaw, was the catalyst to grow Shaw Aero Devices into a global leader of engineered specialty aerospace components and systems. Combined with globally recognized test facilities, Shaw Aero Devices became the industry standard for a variety of fuel, oil and water and waste components and systems.

Shaw Development, LLC was formed in 1959 to transfer Shaw Aero Devices technology to ground vehicle markets. Shaw Aero Devices had developed lift and turn technology for fuel caps, which Shaw Development leveraged for on-road trucks, military, construction and mining vehicles. These caps have become standards for OEMs that either have robust operating environments, require additional features like 4-micron filtration, or simply need a cap that works effectively for long periods of time.

Shaw Development also successfully utilized aerospace refueling technology to make dramatic improvements in ground vehicle fast fueling systems. Historically, ground vehicle refueling systems utilized a simple float system that would cause pressure to build in the fuel tank. This led to countless burst fuel tanks and/or over-filling the tanks wasting the fuel that spilled on the ground. Shaw Development's innovative solution introduced a pressure less refueling system that enabled the market to also innovate and move to composite rotationally molded fuel tanks. With broad appeal, Shaw has subsequently converted the majority of the OEM market to pressure-less refueling systems.

The third generation of the Shaw family assumed ownership in 2006. This transition began the modern transformation of Shaw Development. Shortly after, Shaw Development embarked on a series of strategies to provide broader support to a globally expanding market.

At a critical time of need for the country, Shaw Development developed a ballistic proof fuel system for an MRAP (mine resistance armor protected) program. Stemming the loss of life of US soldiers fighting was a paramount priority. These vehicles were effective at eliminating the deaths caused by roadside IEDs in that environment. Shaw Development's fuel system was critical in supporting that mission.

The company also started developing diesel exhaust fluid (DEF) reservoirs to support the imminent Selective Reduction Catalyst (SCR) requirements. Shaw Development expanded its test capabilities substantially and developed unique capabilities. Specializing in custom-engineered turnkey solutions, Shaw Development developed the broadest range of reservoir applications of any supplier in the market. Shaw Development engineered and validated solutions covering the fill cap and adapter, remote fill access, the multi-function head unit complete with sensors and the entire reservoir assembly. Shaw Development maintains high levels of intellectual property in this market segment.

Shaw Development moved into its current 50,000sf facility in 2008. This enabled the company to expand manufacturing operations with additional machining, welding, paint, assembly and test capabilities to support increasing production programs.

In 2009, the company vertically integrated plastic injection molding by acquiring Gulf Coast Mold. Shaw Development has invested considerably in this process since the acquisition by focusing on process control, uniform tool standards and enhanced use of hands-free tools and the use of robotic pickers to perform more of the work.

Between 2010 and 2013, major investments were made in people, process and products. Shaw Development became certified to ISO 14001. Shaw Development was recognized as the Manufacturer of the Year for the State of Florida. Shaw Development continued its focus on developing new products and providing custom-engineered solutions.

In 2014, Shaw Development began a 17,000sf expansion to its facility. This added capacity is necessary to support growth in new product production, demands for additional test facilities and to ensure the company continues to support new customer requirements.

## SHAW DEVELOPMENT COMPANY VISION

To be the leading provider of integrated solutions in select markets.

## SHAW DEVELOPMENT COMPANY MISSION

To provide superior value through custom engineering and manufactured fluid management products in global markets.

## SHAW DEVELOPMENT CORE VALUES

Respect: We respect each other and the work that we perform as a critical component of our business system. Each task is equally important.

Honesty: We are open and honest with each other in our work and interactions.

Trust: We recognize that trust must be earned. We strive to gain the trust of our fellow employees.

Motivation: We pride ourselves on self-motivation. We seek out worthwhile work and efficiency.

Responsibility: We take ownership of our actions and decisions. We perform to the best of our abilities and follow established methods.

Innovative: We believe that we must always look for new ideas and methods to improve our products, costs, and consistency.

Urgency: We believe that time is of the essence and that actions and requirements are addressed with great haste to assure the highest levels of satisfaction for the end customer.

## SHAW DEVELOPMENT CERTIFICATIONS

### ISO 14000

The ISO 14000 environmental management standards exist to help organizations (a) minimize how their operations (processes etc.) negatively affect the environment (i.e. cause adverse changes to air, water, or land); (b) comply with applicable laws, regulations, and other environmentally oriented requirements, and (c) continually improve in the above.

### ISO 9001

The ISO 9000 family of standards relate to quality management systems and are designed to help organizations ensure they meet the needs of customers and other stakeholders.

The standards are published by ISO, the International Organization for Standardization and deals with the fundamentals of quality management systems, including the eight management principles on which the family of standards is based.

Shaw Development Environmental Policy

## ENVIRONMENTAL POLICY STATEMENT

Shaw Development is committed to protecting the environment as a part of its business practice.

### Compliance

We will comply with all applicable laws, regulations and permits and will implement procedures to assure compliance.

### Prevention

We will employ procedures and systems designed to prevent activities or conditions that pose threats to the environment. We will minimize risk and protect our employees and the community in which we operate.

### Communication

We will communicate our commitment to environmental protection to our employees, all persons working on behalf of the company and the public. We will ask for our employees help in meeting our goals.

### Continuous Improvement

We will continuously seek opportunities to improve our understanding and adherence to these principles

## SHAW DEVELOPMENT QUALITY POLICY

Shaw Development is committed to:

- customer satisfaction
- continual improvement of our business processes
- compliance with all customer and regulatory requirements

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[CERTIFICATIONS \(/CERTIFICATIONS\\_A/259.HTM\)](#)

[TERMS \(/TERMS.ASP\)](#)

**SHAW DEVELOPMENT ([HTTP://WWW.SHAWDEV.COM/](http://www.shawdev.com/))**

**DIXON PUMPS ([HTTP://DIXONPUMPS.COM/](http://dixonpumps.com/))**

**AEROX ([HTTP://AEROX.COM/](http://aerox.com/))**

**CONTACT US ([/CONTACT-US\\_A/254.HTM](/CONTACT-US_A/254.HTM))**

**PROPOSITION 65 (</ARTICLES.ASP?ID=264>)**

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**Shaw Development**

25190 Bernwood Drive  
Bonita Springs, Florida  
34135

**MAP IT »**

(<https://www.google.com/maps/place/25190+Bernwood+Dr,+Bonita+Springs,+FL+34135/@26.3687729,-81.8023769,17z/data=!3m1!4b1!4m5!3m4!1s0x81.8001882>)

**ShawParts.com** (<http://www.shawparts.com>)

ISO 9001:2015  
ISO14001:2004  
ISO/TS 16949 (compliant)

**FOR DOMESTIC/GLOBAL SALES & CUSTOMER SERVICE: [TEAMSUPPORT@SHAWDEV.COM](mailto:teamsupport@shawdev.com) (<mailto:teamsupport@shawdev.com>)**

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# Appendix H

## NYS Department of State

### Division of Corporations

#### Entity Information

The information contained in this database is current through January 10, 2020.

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Selected Entity Name: SHAW AERO DEVELOPMENT, INC.

Selected Entity Status Information

**Current Entity Name:** SHAW AERO DEVELOPMENT, INC.

**DOS ID #:** 117896

**Initial DOS Filing Date:** MARCH 10, 1959

**County:** SUFFOLK

**Jurisdiction:** NEW YORK

**Entity Type:** DOMESTIC BUSINESS CORPORATION

**Current Entity Status:** INACTIVE - Merged Out (Dec 31, 2002)

Selected Entity Address Information

**DOS Process (Address to which DOS will mail process if accepted on behalf of the entity)**

JAMES R. SHAW  
PO BOX 80  
WAINSCOTT, NEW YORK, 11975

**Chief Executive Officer**

JAMES R. SHAW  
PO BOX 80  
WAINSCOTT, NEW YORK, 11975

**Principal Executive Office**

JAMES R. SHAW  
INDUSTRIAL ROAD  
EAST HAMPTON, NEW YORK, 11937

**Registered Agent**

NONE

This office does not record information regarding the names and addresses of officers, shareholders or directors of nonprofessional corporations except the chief executive officer, if provided, which would be listed above. Professional corporations must include the name(s) and address(es) of the initial officers, directors, and shareholders in the initial certificate of incorporation, however this information is not recorded and only available by [viewing the certificate.](#)

**\*Stock Information**

# of Shares	Type of Stock	\$ Value per Share
1000	No Par Value	

\*Stock information is applicable to domestic business corporations.

**Name History**

Filing Date	Name Type	Entity Name
MAR 10, 1959	Actual	SHAW AERO DEVELOPMENT, INC.

A **Fictitious** name must be used when the **Actual** name of a foreign entity is unavailable for use in New York State. The entity must use the fictitious name when conducting its activities or business in New York State.

NOTE: New York State does not issue organizational identification numbers.

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