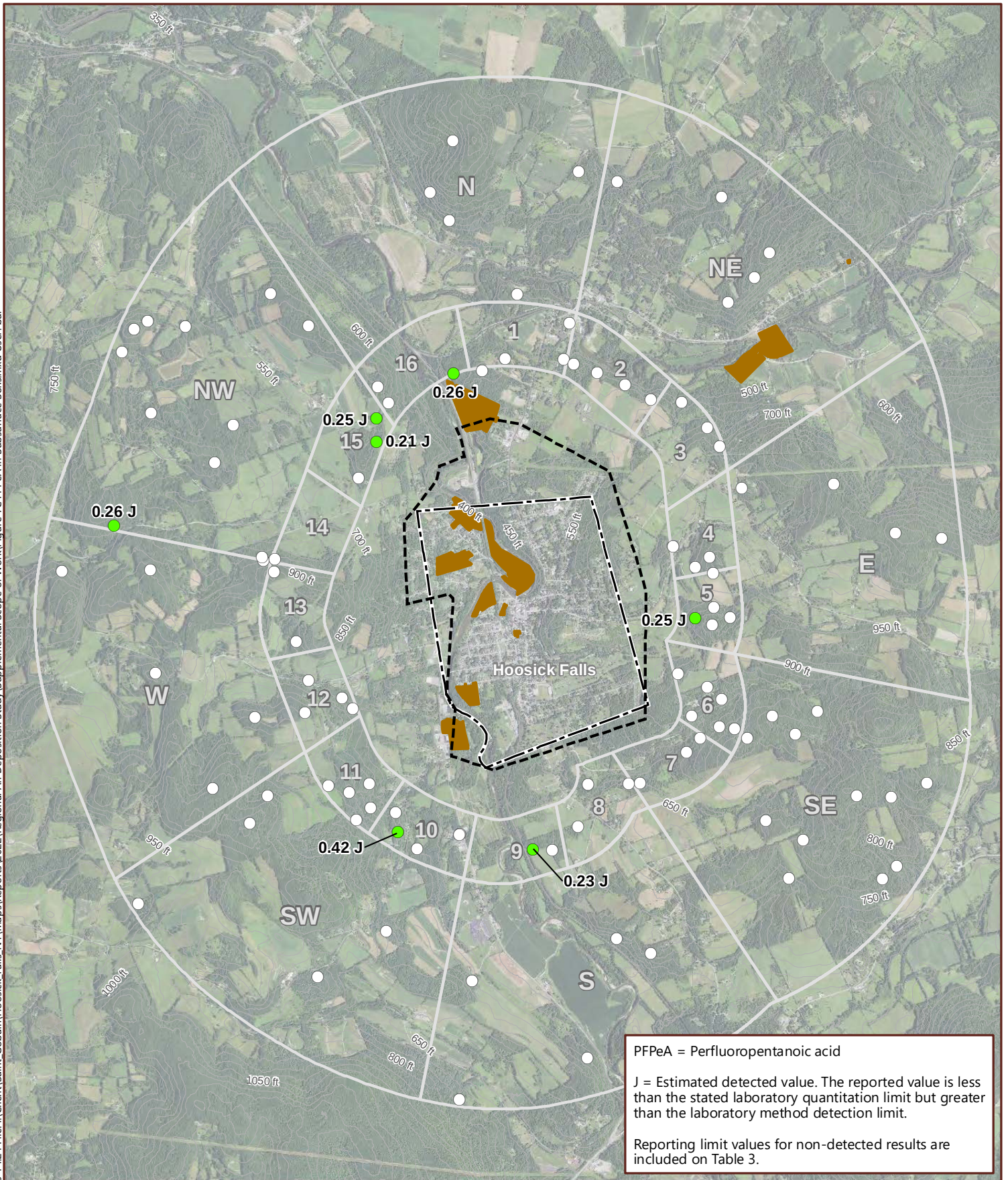




PFPeA Concentrations

- ND
- 0 - 0.42
- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits

ppb = parts per billion and nanograms per gram (ng/g).



0 2,000 4,000 6,000
Feet

FIGURE 7C

PFPeA IN SUBSURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY

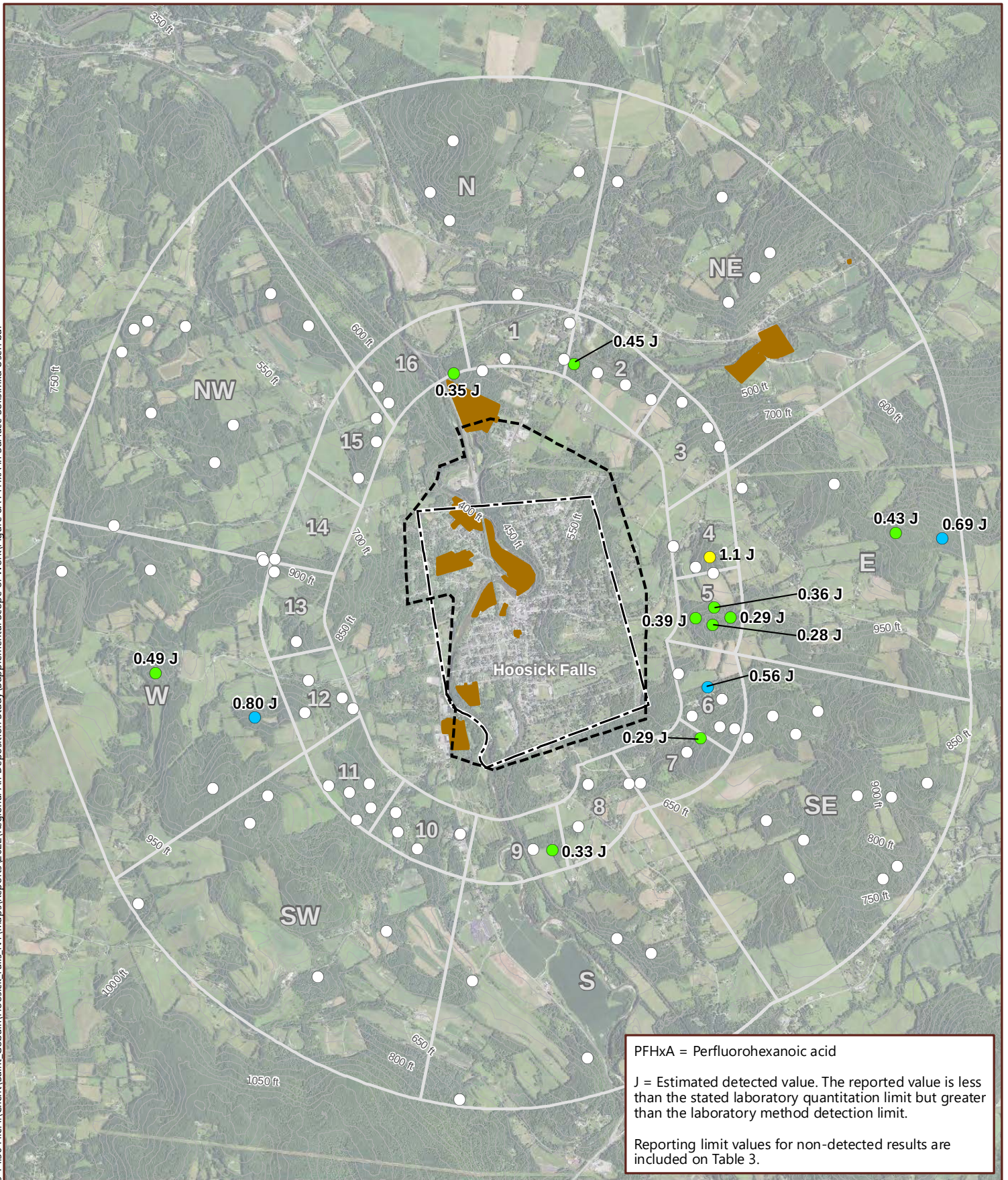
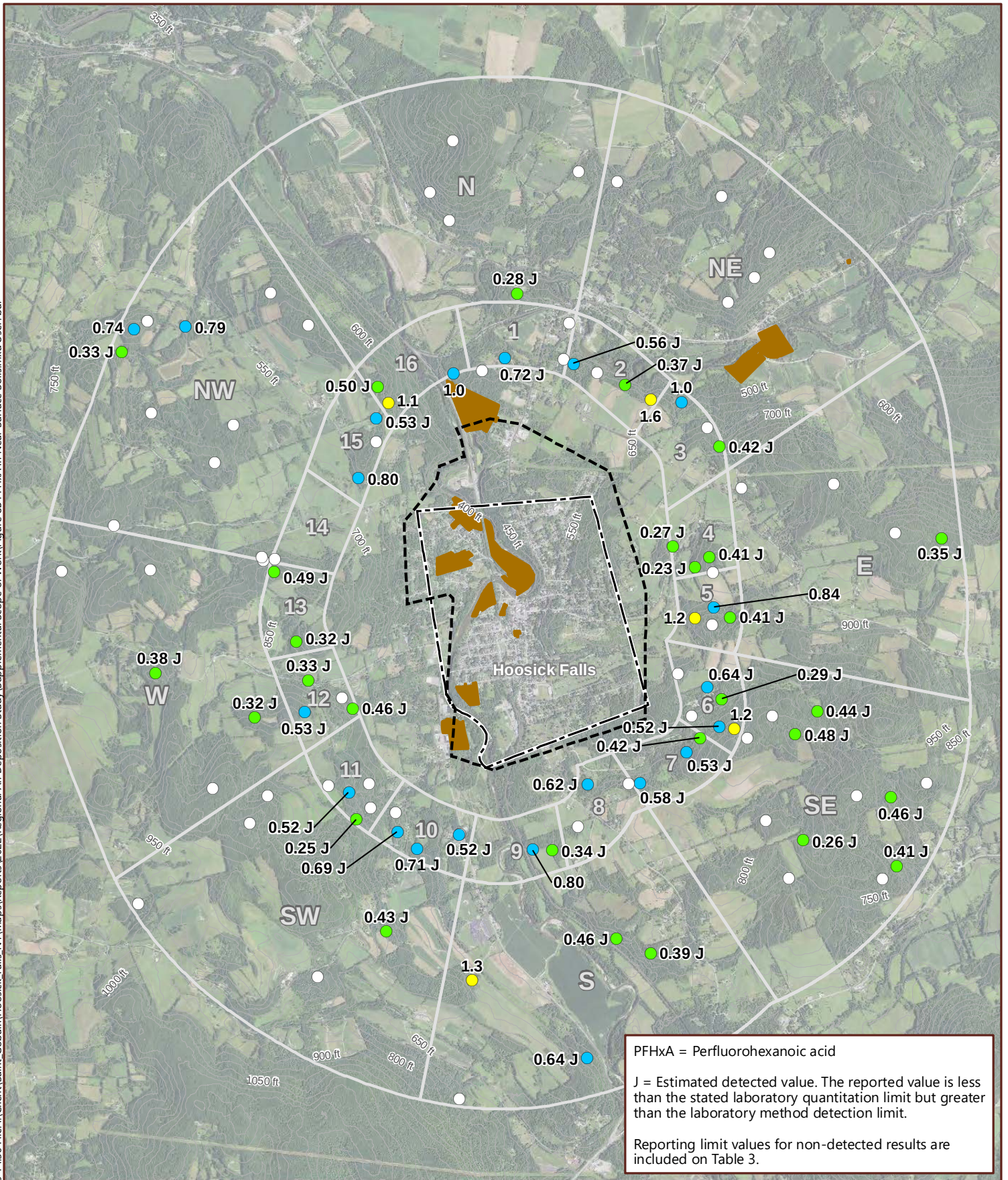


FIGURE 8A

PFHxA IN SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFHxA Concentrations

- ND
- 0 - 0.5
- >0.5 - 1
- >1 - 1.6

- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits

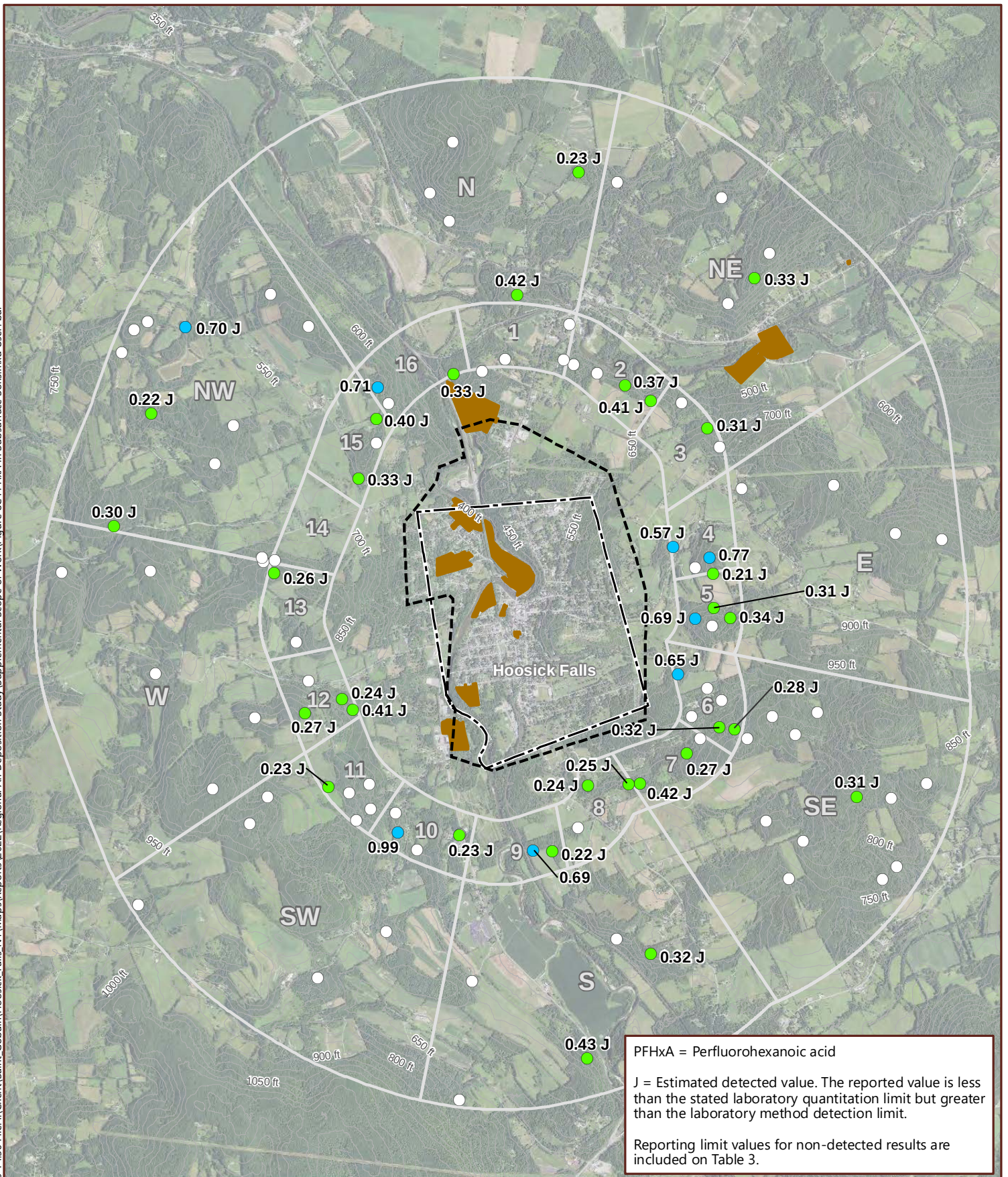
ppb = parts per billion and nanograms per gram (ng/g).



0 2,000 4,000 6,000
Feet

FIGURE 8B

PFHxA IN NEAR SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFHxA Concentrations

- ND
- 0 - 0.5
- >0.5 - 0.99

- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits



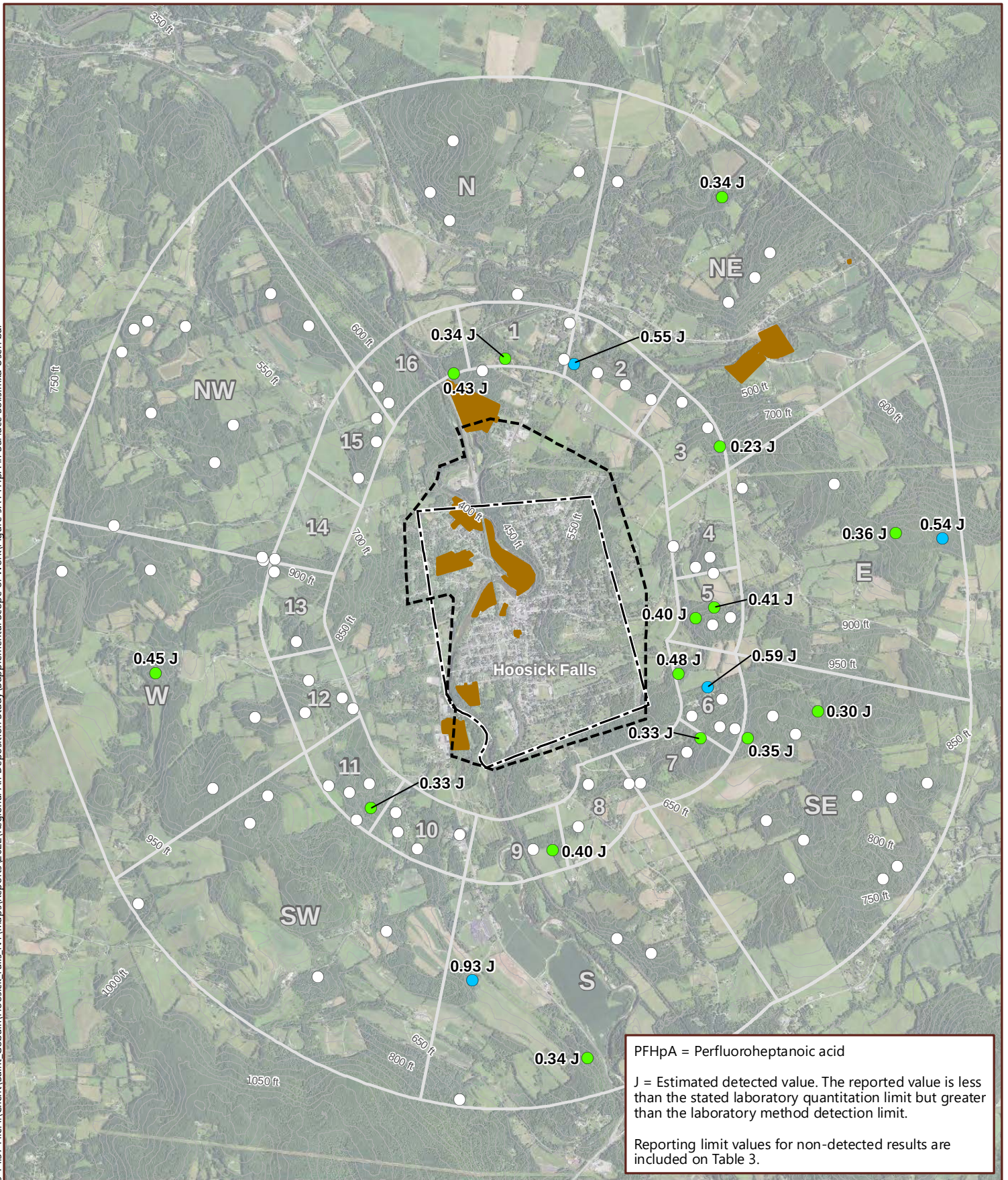
0 2,000 4,000 6,000

Feet

ppb = parts per billion and nanograms per gram (ng/g).

FIGURE 8C

PFHxA IN SUBSURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFHpA Concentrations

- ND
- 0 - 0.5
- >.5 - 0.93

- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits

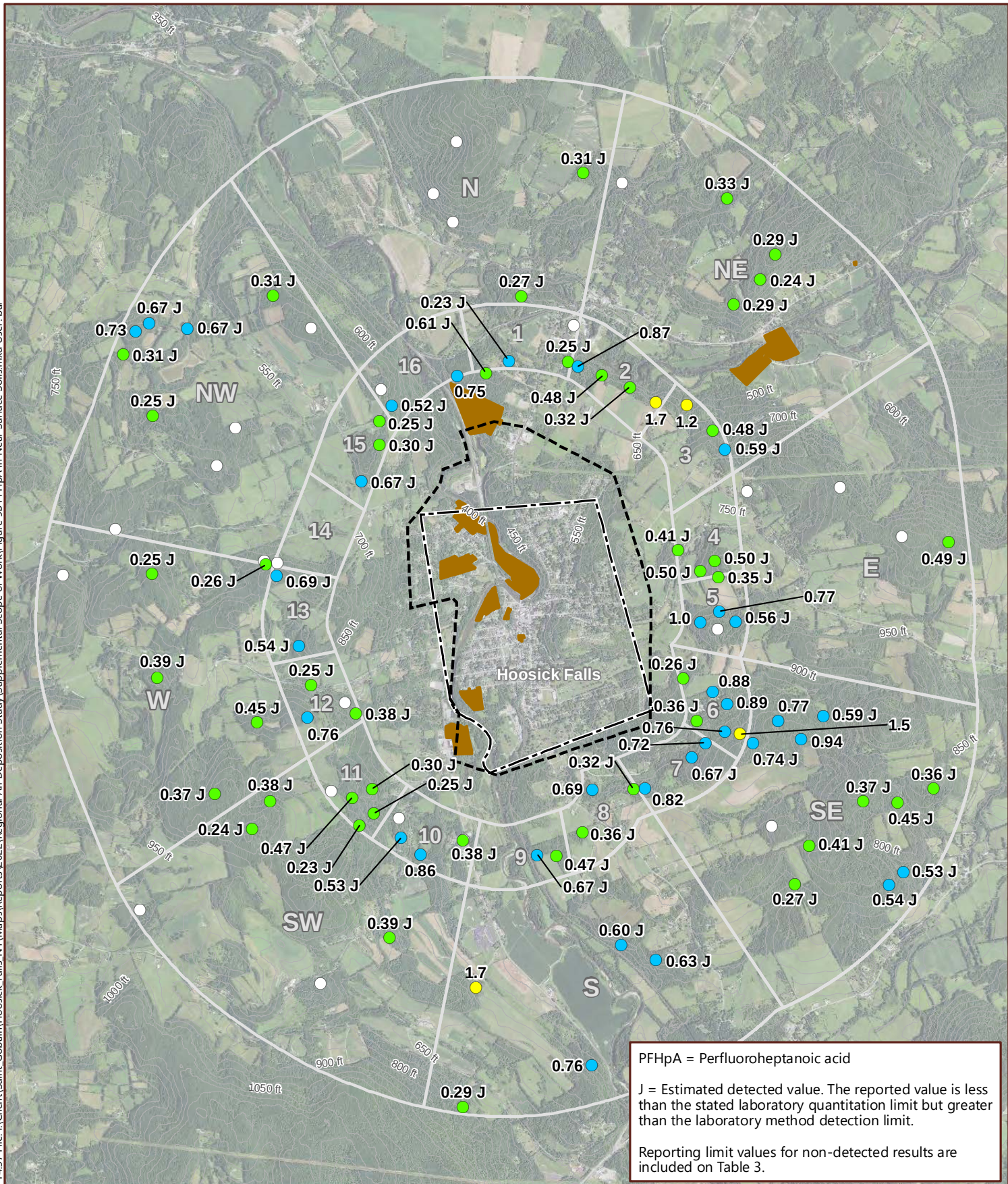


0 2,000 4,000 6,000
Feet

ppb = parts per billion and nanograms per gram (ng/g).

FIGURE 9A

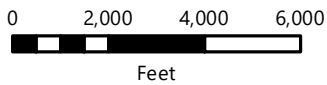
PFHpA IN SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFHpA Concentrations

- ND
 - 0 - 0.5
 - >0.5 - 1
 - >1 - 1.7
- Soil Sampling Sector Boundary
 - Current OU-01 Boundary
 - Sites of Interest
 - Hoosick Falls Village Limits

ppb = parts per billion and nanograms per gram (ng/g).



PFHpA = Perfluoroheptanoic acid

J = Estimated detected value. The reported value is less than the stated laboratory quantitation limit but greater than the laboratory method detection limit.

Reporting limit values for non-detected results are included on Table 3.

FIGURE 9B

PFHpA IN NEAR SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY

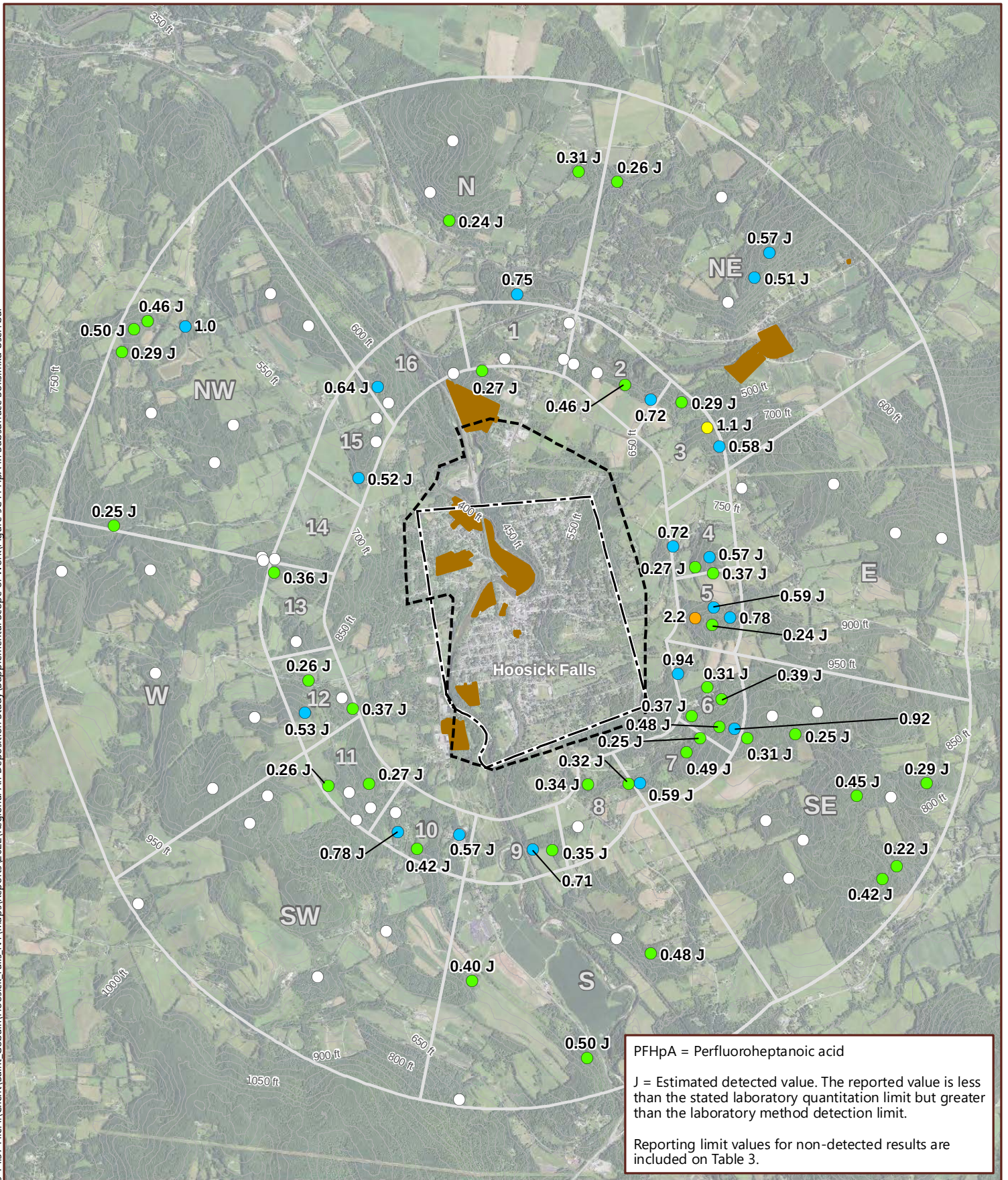
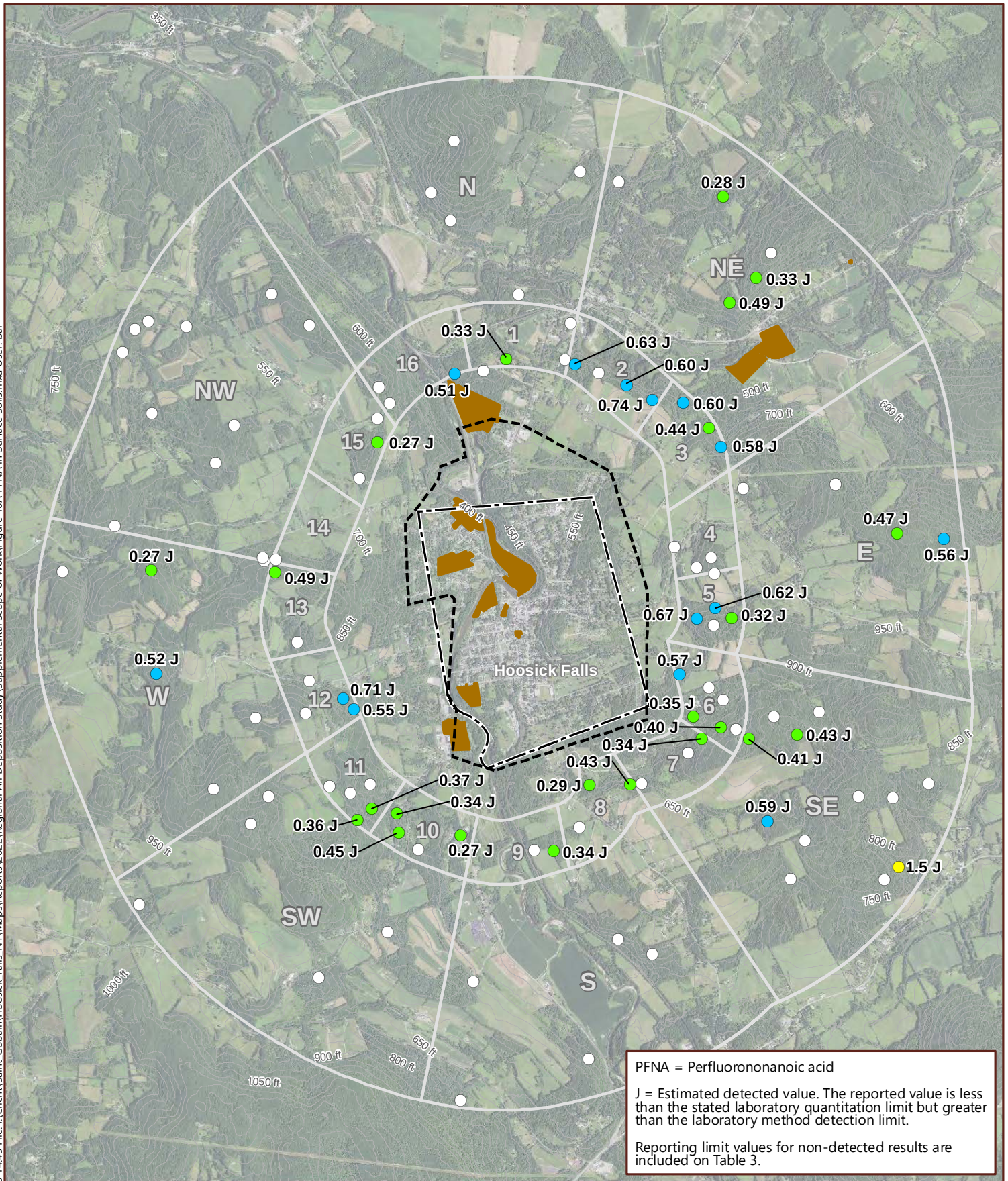


FIGURE 9C

PFHpA IN SUBSURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFNA Concentrations

- ND
- 0 - 0.5
- >0.5 - 1
- >1 - 1.5

- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits

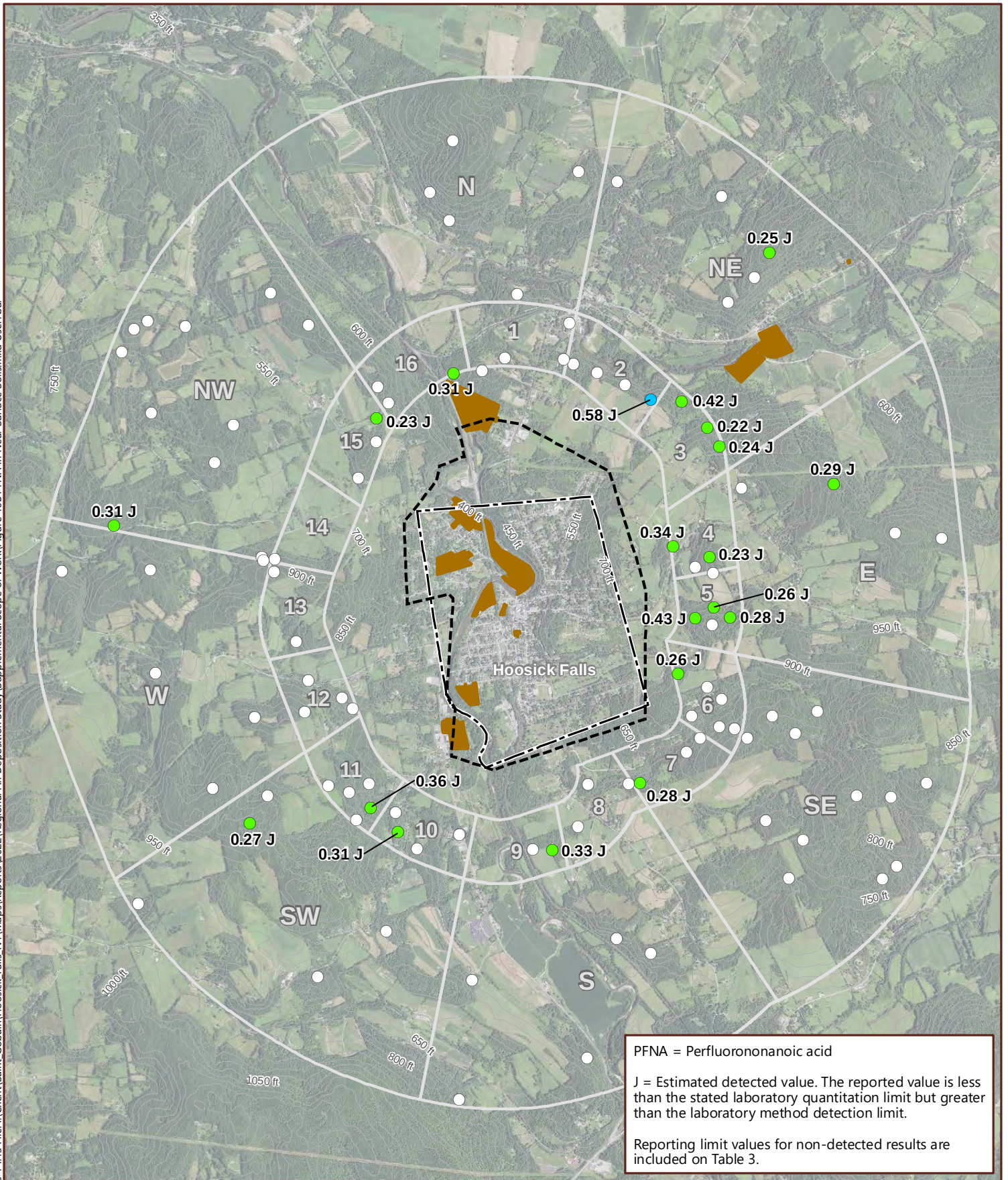
ppb = parts per billion and nanograms per gram (ng/g).



0 2,000 4,000 6,000
Feet

FIGURE 10A

PFNA IN SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFNA Concentrations

- ND
- 0 - 0.5
- >0.5 - 0.58

- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits



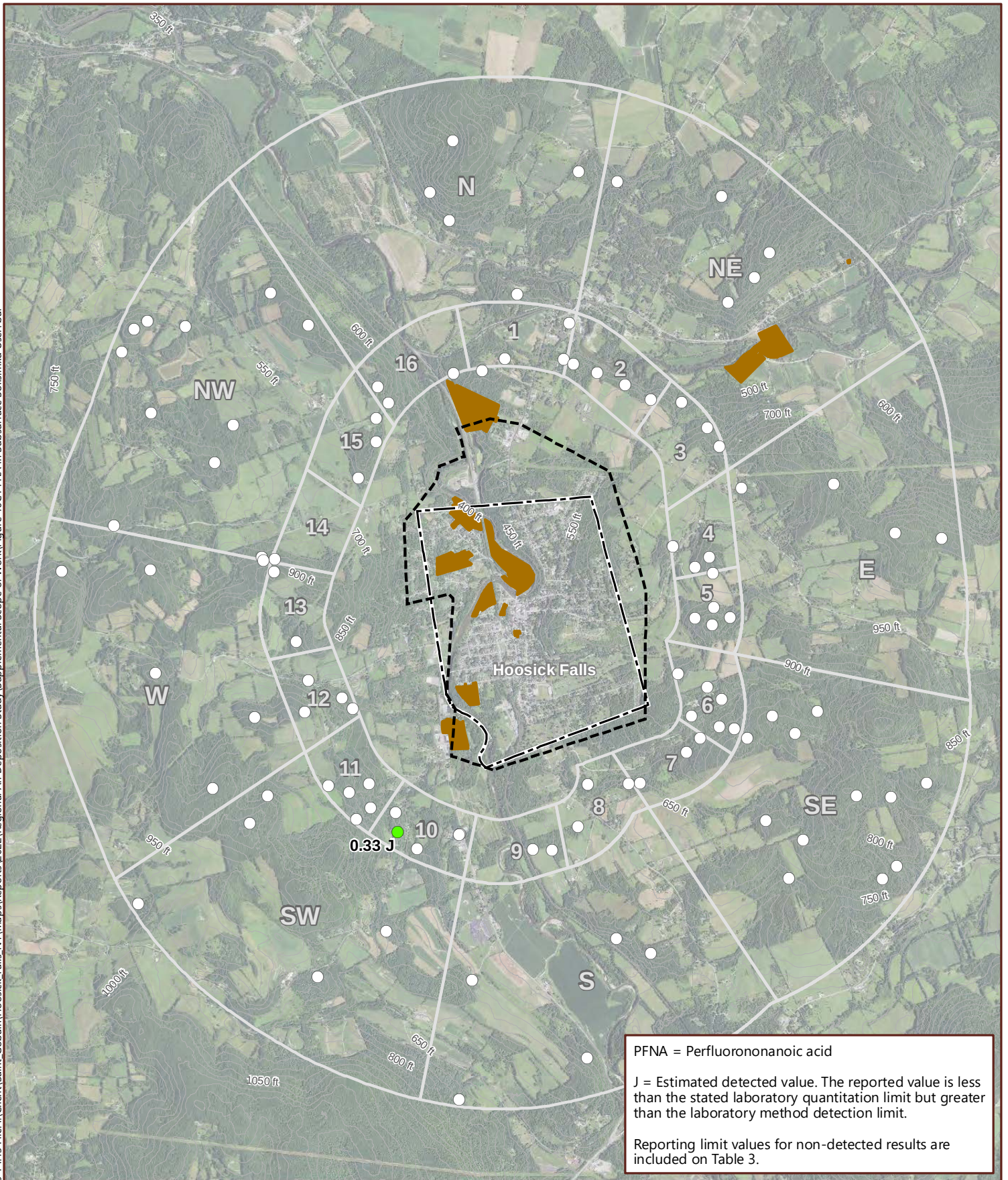
0 2,000 4,000 6,000

Feet

ppb = parts per billion and nanograms per gram (ng/g).

FIGURE 10B

PFNA IN NEAR SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFNA Concentrations

- ND
- 0 - 0.33
- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits

ppb = parts per billion and nanograms per gram (ng/g).



0 2,000 4,000 6,000

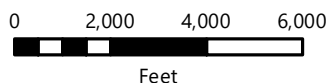
Feet

FIGURE 10C

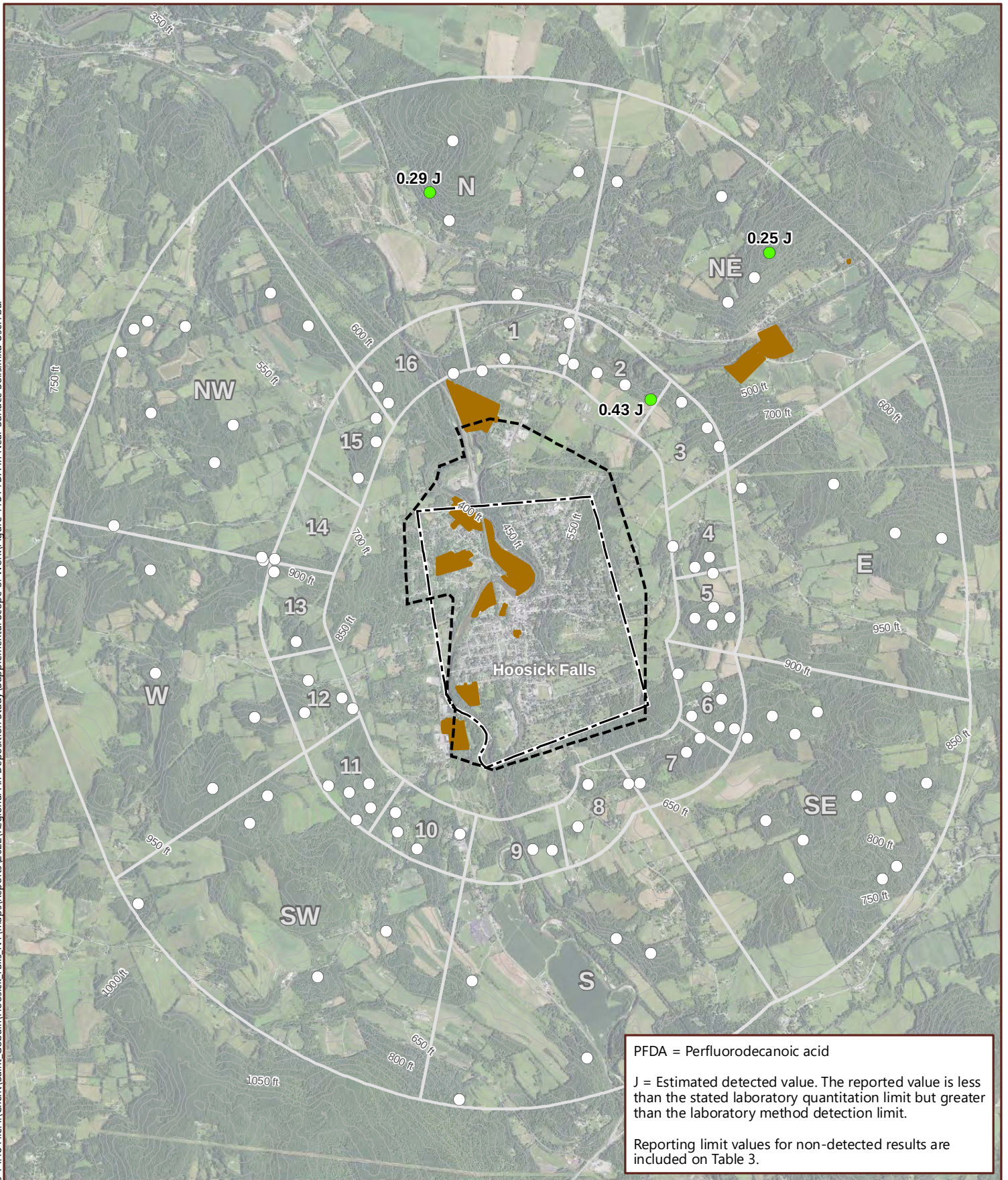
PFNA IN SUBSURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY

Reporting limit values for non-detected results are included on Table 3.

 Soil Sampling Sector Boundary
 Current OU-01 Boundary
 Sites of Interest
 Hoosick Falls Village Limits



PFDA IN SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFDA Concentrations

- ND
- 0 - 0.43
- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits

ppb = parts per billion and nanograms per gram (ng/g).



0 2,000 4,000 6,000
Feet

FIGURE 11B

PFDA IN NEAR SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY

Reporting limit values for non-detected results are included on Table 3.

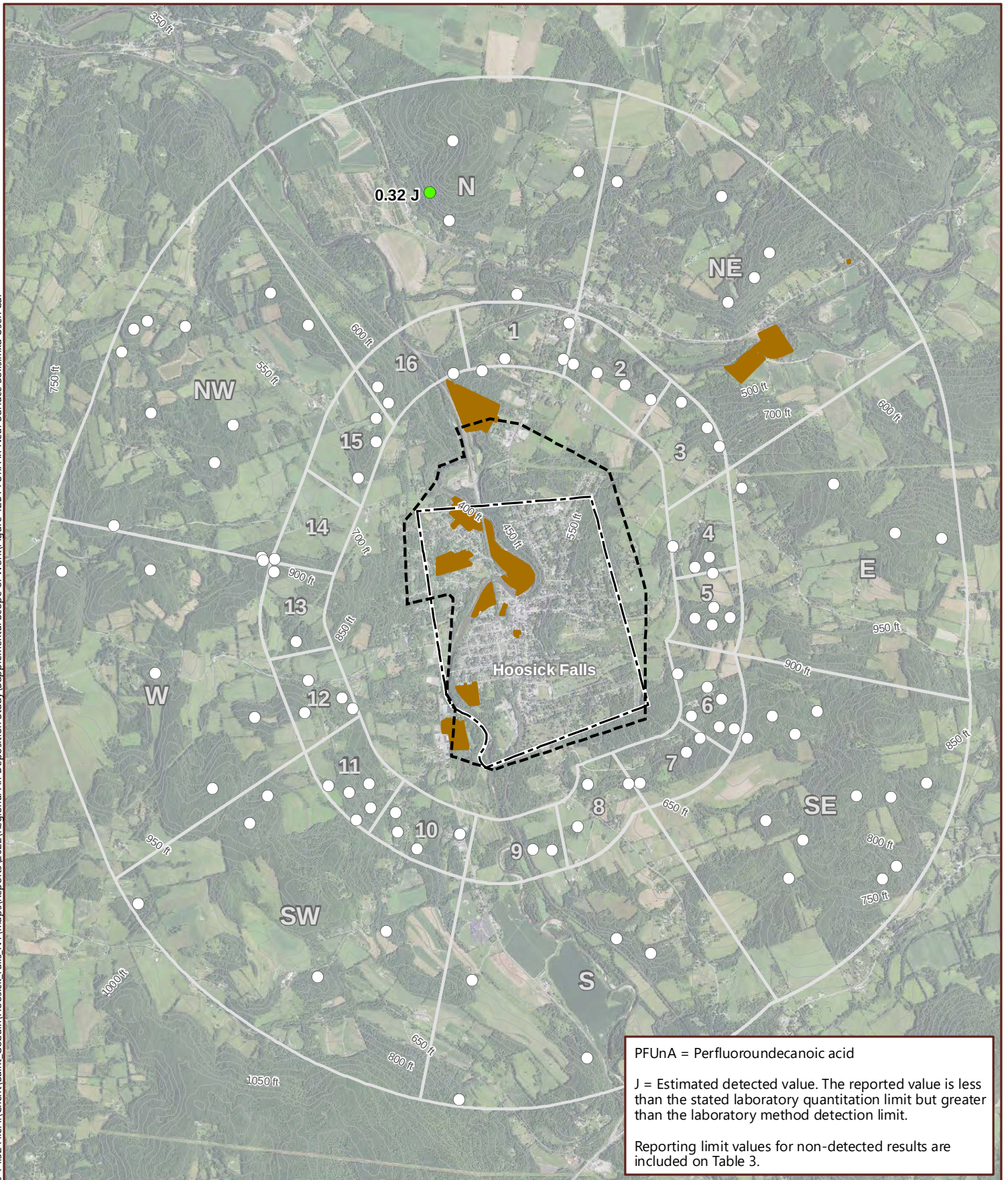
ppb = parts per billion and nanograms per gram (ng/g).



0 2,000 4,000 6,000

Feet

PFUnA IN SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFUnA Concentrations

- ND
- 0 - 0.32
- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits

ppb = parts per billion and nanograms per gram (ng/g).

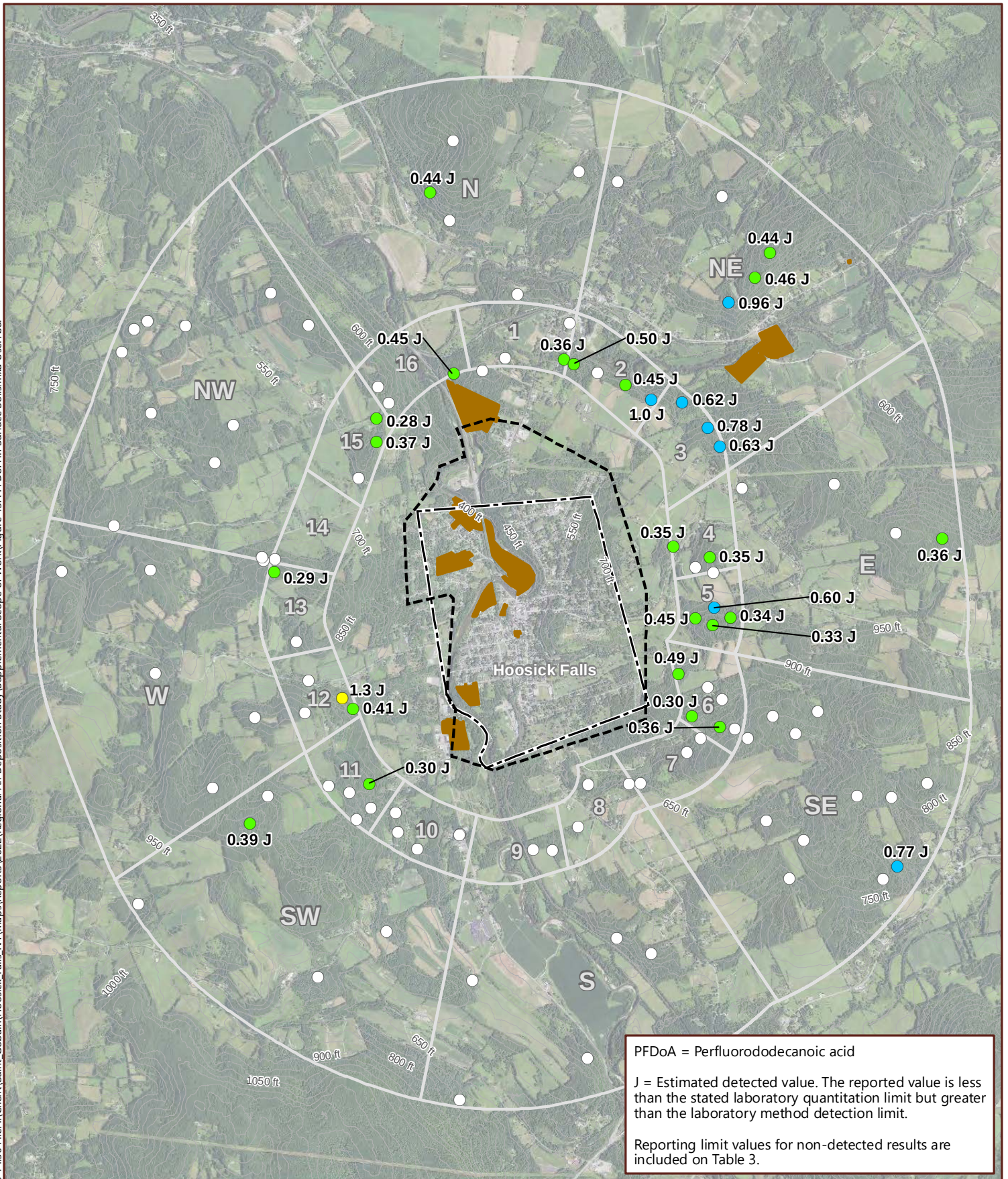


0 2,000 4,000 6,000

Feet

FIGURE 12B

PFUnA IN NEAR SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFDoA Concentrations

- ND
- 0 - 0.5
- >0.5 - 1
- >1 - 1.3

- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits

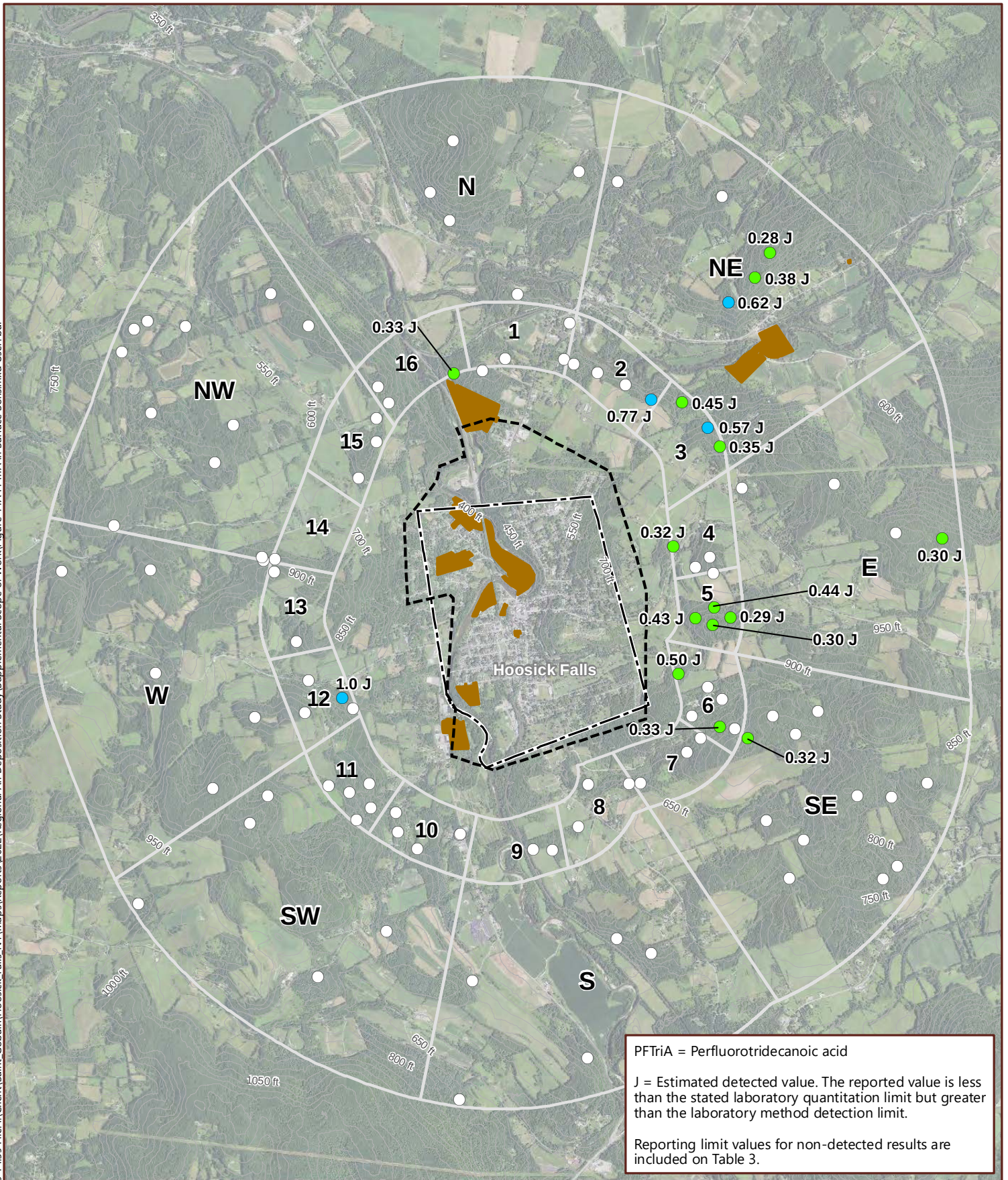


0 2,000 4,000 6,000
Feet

ppb = parts per billion and nanograms per gram (ng/g).

FIGURE 13

PFDoA IN SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY



PFTrIA Concentrations

- ND
- 0 - 0.5
- >0.5 - 1

- Soil Sampling Sector Boundary
- Current OU-01 Boundary
- Sites of Interest
- Hoosick Falls Village Limits



0 2,000 4,000 6,000
Feet

ppb = parts per billion and nanograms per gram (ng/g).

FIGURE 14

PFTrIA IN SURFACE SOILS
Data Summary Report for the
Supplemental Scope of Work:
Regional Air Deposition Study
Hoosick Falls, NY

Tables

Table 1: Supplemental Phase Sample Location Summary

Supplemental Scope Data Summary Report

Regional Air Deposition Study

Village of Hoosick Falls, New York

Sample Location	Sampling Date	Elevation (meters AMSL)	Elevation (ft AMSL)	Longitude	Latitude	Topography	Location on Slope	Village Facing?	Tree Cover	Tree Type	Field Observations / Comments
E12	11/15/21	381.76	1252.48	-73.307536	42.907037	Flat	N/A	Partial	50%	Deciduous	Refusal at 18 inches.
E15	11/9/21	359.20	1178.47	-73.302119	42.906497	Shallow slope	Top of slope	Yes	95%	Both ¹	
E19	12/20/21	312.79	1026.23	-73.314537	42.911279	Slope	Top of slope	Yes	50%	Deciduous	
E20	12/20/21	247.89	813.29	-73.325281	42.911166	Slope	Mid-slope	Yes	80%	Both ¹	Next to creek with abundant underbrush and rounded cobbles
N03	11/18/21	149.52	490.55	-73.35082	42.928064	Steep Slope	Mid-slope	No	95%	Both ¹	Steep slope with narrow path along ridge. Pine trees and many roots
N06	11/30/21	180.10	590.89	-73.343453	42.938387	Flat	N/A	No	95%	Both ¹	Down-slope of road. Several creeks nearby
N08-A	11/5/21	192.87	632.78	-73.360767	42.936828	Slope	Mid-slope	Partial	80%	Deciduous	Steep slope with many small outcrops
N08-B	11/5/21	165.50	542.97	-73.358571	42.93443	Slope	Mid-slope	Yes	75%	Deciduous	On top of large shale outcrop
N09	1/26/22	232.46	762.68	-73.358183	42.941214	Slope	Mid-slope	Yes	75%	Deciduous	Bear tracks in snow
NE07	5/16/22	211.26	693.13	-73.326262	42.926999	Slope	Top of slope	Yes	80%	Both ¹	
NE09-A	5/16/22	259.26	850.60	-73.321492	42.931242	Slope	Top of slope	Yes	85%	Both ¹	Heavily wooded, near large outcrop at top of hill
NE09-B	5/16/22	239.09	784.43	-73.323240	42.929128	Slope	Top of slope	No	90%	Both ¹	Trail along ridge from NE09-A. Sample location NW of trail
NE10	5/16/22	173.97	570.77	-73.326602	42.935975	Gradual slope	Mid-slope	Partial	70%	Both ¹	Down-slope of agrocltural field
NE12	11/30/21	165.03	541.45	-73.338988	42.937462	Slope	Mid-slope	Yes	80%	Both ¹	Very steep slope. Many outcrops. Fast flowing creek down-slope of sampling location
NW02	11/15/21	236.83	777.00	-73.396844	42.923762	Slope	Mid-slope	Yes	85%	Deciduous	
NW06	1/26/22	192.80	632.53	-73.389411	42.925771	Slope	Mid-slope	Yes	75%	Deciduous	Trail from adjacent property leads to location. Stone wall on hillside nearby
NW07	1/25/22	231.82	760.56	-73.380095	42.928536	Slope	Mid-slope	Yes	90%	Both ¹	Several fallen trees in sampling area
NW11	1/25/22	248.72	816.02	-73.375022	42.925722	Slope	Top of slope	Yes	95%	Deciduous	
NW16	12/1/21	232.97	764.35	-73.3841	42.917367	Slope	Top of slope	Yes	70%	Deciduous	
NW17	12/1/21	269.77	885.09	-73.386314	42.914129	Slope	Top of slope	Yes	50%	Deciduous	
NW19	12/1/21	273.57	897.55	-73.381082	42.906018	Slope	Mid-slope	Partial	75%	Deciduous	
NW21	11/4/21	258.16	846.99	-73.398122	42.908968	Shallow slope	Mid-slope	Yes	85%	Deciduous	Refusal at 22.5 inches.
NW23	12/6/21	224.45	736.38	-73.393588	42.918499	Slope	Mid-slope	No	40%	Both ¹	Large patch of dead trees around sampling area. Stream downhill. Tree stands nearby
NW24	1/19/22	217.03	712.03	-73.393819	42.926367	Slope	Top of slope	Yes	95%	Deciduous	
NW25	1/19/22	254.00	833.35	-73.395436	42.925667	Slope	Top of slope	Yes	85%	Deciduous	
S01	11/15/21	143.18	469.75	-73.340805	42.872926	Slope	Mid-slope	Yes	75%	Deciduous	Heavily wooded, narrow trails leading toward sample location
S02	11/15/21	190.62	625.39	-73.336855	42.871603	Slope	Mid-slope	yes	60%	Deciduous	Refusal at 21.6 inches.
S06	12/6/21	235.86	773.80	-73.359422	42.859482	Shallow slope	Mid-slope	Yes	80%	Both ¹	Parked at trailer at end of long driveway, sample location up-slope of agrocltural fields
S07	1/20/22	184.19	604.30	-73.357663	42.869534	Slope	Mid-slope	Partial	90%	Both ¹	Down-slope of forrested area, next to drivable path
S09	6/2/22	159.39	522.93	-73.344975	42.863312	Slope	Mid-slope	Yes	75%	Deciduous	
SE01	11/8/21	255.70	838.93	-73.325176	42.889795	Flat	Top of slope	Partial	75%	Deciduous	
SE02	11/8/21	260.32	854.05	-73.322234	42.891624	Flat	Top of slope	Partial	75%	Deciduous	
SE03-A	11/8/21	275.85	905.01	-73.319596	42.890091	Flat	Top of slope	Partial	80%	Deciduous	
SE03-B	11/8/21	265.05	869.59	-73.316979	42.891925	Flat	Top of slope	Partial	65%	Deciduous	
SE09	11/23/21	295.66	970.02	-73.312647	42.884665	Slope	Top of slope	No	80%	Deciduous	Hunting camp. Thick briars at base of hill. Sample location at summit
SE10	5/18/22	249.25	817.74	-73.323106	42.882737	Slope	Mid-slope	Yes	70%	Both ¹	
SE11	11/23/21	257.66	845.35	-73.318897	42.880976	Slope	Mid-slope	Yes	90%	Deciduous	Hunting camp. Sample location uphill near shooting range
SE12	11/23/21	219.77	721.02	-73.320652	42.877752	Slope	Mid-slope	No	90%	Deciduous	Hunting camp. Sample location downhill of agrocltural field next to tree stand
SE13-A	5/18/22	262.16	860.11	-73.309912	42.877561	Slope	Mid-slope	Partial	60%	Deciduous	Up-slope of animal pastures. Electric fences and cow pens extend into woods. Sample location near trail
SE13-B	5/18/22	225.39	739.46	-73.308196	42.878638	Slope	Mid-slope	Partial	70%	Deciduous	Dense forrest
SE14	11/16/21	285.91	938.03	-73.304439	42.885632	Slope	Mid-slope	No	50%	Deciduous	Up-slope of animal pastures
SE15	11/23/21	266.90	875.66	-73.308604	42.884513	Slope	Bottom of Slope	Yes	85%	Deciduous	Hunting camp. Thick briars at base of hill. Sample location at summit
SW02-A	11/11/21	375.54	1232.10	-73.383066	42.883361	Flat	Top of slope	Partial	80%	Deciduous	Refusal at 16 inches. ATV/truck trail through woods. Many small outcrops and stone walls. Large swamp and creek near W-16 spring
SW02-B	11/11/21	313.67	1029.10	-73.380911	42.885639	Slope	Mid-slope	Partial	75%	Deciduous	ATV/truck trail through woods. Many small outcrops and stone walls
SW03	12/20/21	276.17	906.08	-73.375524	42.870125	Slope	Mid-slope	Yes	85%	Both ¹	Dense forrest. Lots of small outcrops or boulders
SW07	1/20/22	239.65	786.24	-73.367442	42.873931	Slope	Top of slope	Yes	80%	Both ¹	
SW12	11/17/21	253.66	832.23	-73.396125	42.876766	Flat	Mid-slope	No	95%	Both ¹	Corn fields nearby. Dead turkey and 2 dead dear found near sampling area - large predator
W01	11/30/21	245.19	804.42	-73.404293	42.905151	Slope	Mid-slope	Partial	90%	Deciduous	Refusal at 21.5 inches. Many outcrops all over hillside
W06	11/9/21	296.11	971.50	-73.394049	42.905098	Flat	Top of slope	Partial	75%	Deciduous	
W12	11/4/21	299.95	984.09	-73.393653	42.896302	Flat	Top of slope	yes	80%	Deciduous	Up-slope of small agrocltural field
W13	11/17/21	303.35	995.23	-73.382272	42.892379	Slope	Mid-slope	Partial	90%	Both ¹	Electric fence in woods with fallen tree limbs
W16	11/11/21	341.32	1119.81	-73.387287	42.886409	Slope	Mid-slope	No	85%	Both ¹	

Notes:

¹ Both indicates the presence of deciduous and coniferous tree types

ft AMSL = feet above mean sea level

N/A = not applicable

-- = no data

ATV = all-terrain vehicle

Table 2: Soil Sample Descriptions (Supplemental Phase)

Supplemental Scope Data Summary Report

Regional Air Deposition Study

Village of Hoosick Falls, New York

Sample Location	Sample Depth (feet)	Soil Description*	Soil Type
E12	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace fine to coarse sub-angular gravel	SILT
	0.17 - 1 ft	Brown SILT and CLAY, little organics, trace fine to coarse angular gravel	SILT and CLAY
	1 - 1.5 ft	Gray fine to coarse angular GRAVEL, little brown silt, trace organics	GRAVEL
E15	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace brown clay	SILT
	0.17 - 1 ft	Brown SILT, Some fine to coarse angular Gravel, trace organics, trace clay	SILT
	1 - 2 ft	Brown SILT and angular fine to coarse GRAVEL, trace organics	SILT and GRAVEL
E19	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Brown coarse SAND, Some medium Sand and fine angular Gravel, occasional cobble	SAND
	1 - 2 ft	Grayish Brown coarse SAND and fine angular GRAVEL (shale), frequent cobble	SAND and GRAVEL
E20	0 - 0.17 ft	0-1" Dark Brown SILT, Some Organics, trace clay; 1-2" Brown medium and coarse SAND, Some fine Gravel	SILT and SAND
	0.17 - 1 ft	Light Brown fine SAND and SILT, Some medium and coarse Sand and Gravel, occasional cobble	SILT and SAND
	1 - 2 ft	Brown coarse SAND and fine and coarse semi-angular GRAVEL, Some fine Sand and Silt, occasional cobble	SAND and GRAVEL
NE07	0 - 0.17 ft	Dark Brown medium SAND, Some fine and coarse Sand and Organics, little silt (Topsoil)	SAND
	0.17 - 1 ft	Light Brown medium and fine SAND, Some Silt and coarse Gravel, little clay and coarse sand	SAND
	1 - 2 ft	Light Brown medium and coarse SAND, Some Gravel and fine Sand, little silt, trace clay	SAND
NE09-A	0 - 0.17 ft	Dark Brown SILT, trace organics and brown clay	SILT
	0.17 - 1 ft	Brown SILT, little fine gravel and organics, trace brown clay	SILT
	1 - 2 ft	Light Brown CLAY, little light brown silt, trace fine to coarse gravel	CLAY
NE09-B	0 - 0.17 ft	Dark Brown fine and medium SAND, Some Silt and Organics, little coarse sand (Topsoil)	SAND
	0.17 - 1 ft	Light Brown fine and medium SAND, Some Silt, trace clay and gravel	SAND
	1 - 2 ft	Light Brown fine and medium SAND, Some Silt, trace coarse sand and gravel	SAND
NE10	0 - 0.17 ft	Dark Brown SILT, little organics, trace brown clay	SILT
	0.17 - 1 ft	Dark Brown SILT, little fine angular gravel, trace light brown clay and organics	SILT
	1 - 2 ft	Brown SILT, Some fine to coarse gravel, little fine to coarse sand	SILT
NE12	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine SAND and SILT, Some medium Sand and Clay, Some Organics	SAND and SILT
	1 - 2 ft	Light Brown fine SAND and SILT, Some medium Sand, little clay, trace organics	SAND and SILT
N03	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Dark Brown Fine and Medium SAND, little silt; slight pine odor	SAND
	1 - 2 ft	Brown Fine SAND, Some medium Sand and Silt, trace clay; slight pine odor	SAND
N06	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay; pine odor	SILT
	0.17 - 1 ft	Light Brown fine to coarse SAND, Some Silt and Organics	SAND
	1 - 2 ft	Light Brown fine and medium SAND and SILT, Some Clay, little fine gravel	SAND and SILT
N08-A	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	2-6" Dark Brown SILT, Some Organics, trace clay; 6-12" Light Brown fine to coarse SAND, Some Silt, little clay	SILT
	1 - 2 ft	Light Brown fine and medium SAND, Some coarse Sand and Silt, little clay	SAND
N08-B	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay, frequent cobbles	SILT
	0.17 - 1 ft	2-5" Dark Brown SILT, Some Organics, trace clay; 5-12" Light Brown fine to coarse SAND, little silt	SILT and SAND
	1 - 2 ft	Light Brown fine to coarse SAND, Some Silt, little clay; Possible Bedrock at 24"	SAND
N09	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay; Frozen	SILT
	0.17 - 1 ft	Light Brown medium and coarse SAND, Some fine Sand and fine Gravel, trace silt	SAND
	1 - 2 ft	Light Brown fine and medium SAND, Some Silt, little coarse Sand	SAND
NW02	0 - 0.17 ft	Brown SILT, little organics, trace fine to coarse sub-rounded gravel	SILT
	0.17 - 1 ft	Light Brown CLAY, Some brown Silt, little fine to coarse sub-rounded gravel, trace organics	CLAY
	1 - 2 ft	Light Brown CLAY, Some brown Silt, Some fine to coarse sub-angular Gravel, trace organics	CLAY
NW06	0 - 0.17 ft	Brown SILT, Some Organics, trace clay and coarse gravel; Frozen	SILT
	0.17 - 1 ft	Brown SILT, Some brown fine to coarse sand, trace brown clay and coarse angular gravel; Frozen	SILT
	1 - 2 ft	Brown SILT, little brown fine to coarse sand, trace fine to coarse angular gravel and clay	SILT
NW07	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay; Frozen	SILT
	0.17 - 1 ft	Brown SILT, little brown fine to coarse sand, trace fine angular gravel and clay	SILT
	1 - 2 ft	Brown SILT, Some brown Clay, little fine to coarse sand, trace fine to coarse gravel	SILT
NW11	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay; Frozen	SILT
	0.17 - 1 ft	Light Brown medium and coarse SAND, Some fine Gravel and fine Sand, little organics, occasional cobble	SAND
	1 - 2 ft	Gray Brown medium SAND, Some fine and coarse Sand, trace silt and fine gravel	SAND
NW16	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Brown medium and coarse SAND, Some coarse angular Gravel, little fine sand and silt	SAND
	1 - 2 ft	Light Brown Fine SAND and SILT, Some medium and coarse Sand and coarse Gravel, unsorted	SAND and SILT
NW17	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	2-4" Dark Brown SILT, Some Organics, trace clay; 4-12" Light Brown fine SAND and SILT, Some coarse Gravel	SILT and SAND
	1 - 2 ft	Brown Angular Coarse GRAVEL and Coarse SAND, little medium and fine sand, Gravel (possibly weathered bedrock)	GRAVEL and SAND
NW19	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine and medium SAND and SILT, little organics, trace gravel, occasional cobble	SAND and SILT
	1 - 2 ft	Light Brown fine to coarse SAND, Some Silt, little fine gravel, occasional cobble	SAND
NW21	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown and Purplish Gray fine to coarse SAND, Some Silt, trace clay, occasional cobble	SAND
	1 - 1.88 ft	Light Brown and Purplish Gray fine and medium SAND, Some Silt, little clay, occasional cobble; Possible Bedrock at 22.5" (Purplish Gray Shale)	SAND
NW23	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay; very faint pine odor	SILT
	0.17 - 1 ft	Brown and Light Brown (mottled) fine SAND and SILT, Some Clay, little coarse angular gravel, frequent thick roots	SAND and SILT
	1 - 2 ft	Brown coarse SAND and fine and coarse semi-angular GRAVEL, Some fine Sand and Silt, occasional cobble	SAND and GRAVEL
NW24	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Brown medium and coarse SAND, Some fine Sand and Organics, little silt and coarse gravel	SAND
	1 - 2 ft	Brown fine SAND and SILT, Some Clay and medium Sand, trace organics	SAND and SILT

Table 2: Soil Sample Descriptions (Supplemental Phase)

Supplemental Scope Data Summary Report

Regional Air Deposition Study

Village of Hoosick Falls, New York

Sample Location	Sample Depth (feet)	Soil Description*	Soil Type
NW25	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Brown coarse SAND, Some medium Sand and Gravel, little fine sand and silt	SAND
	1 - 2 ft	Brown fine and medium SAND, Some coarse Sand and fine to coarse Gravel, little Silt	SAND
S01	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace brown clay	SILT
	0.17 - 1 ft	Dark Brown SILT and Brown CLAY, little organics, trace fine to coarse angular gravel	SILT and CLAY
	1 - 2 ft	Fine to coarse angular GRAVEL, little brown clay, trace brown silt	GRAVEL
S02	0 - 0.17 ft	Brown SILT, Some Organics, little fine to coarse angular gravel, trace clay	SILT
	0.17 - 1 ft	Brown CLAY, Some brown Silt, little fine to coarse angular gravel, trace organics	CLAY
	1 - 1.8 ft	Gray fine to coarse angular GRAVEL, Some brown Silt, trace brown clay, trace organics	GRAVEL
S06	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine and medium SAND, Some coarse Sand and Silt, little fine gravel, occasional cobble; Pine Odor	SAND
	1 - 2 ft	Brown fine SAND and SILT, Some Clay and coarse Gravel, occasional cobble	SAND and SILT
S07	0 - 1.7 ft	Dark Brown SILT, Some Organics (rootlets and pine needles), trace clay	SILT
	0.17 - 1 ft	Brown medium SAND, Some fine and coarse Sand, little coarse gravel, little organics (roots)	SAND
	1 - 2 ft	Brown medium and fine SAND, Some Silt, little clay	SAND
S09	0 - 0.17 ft	Dark Brown fine SAND and SILT, little clay, trace medium sand and organics (Topsoil)	SAND and SILT
	0.17 - 1 ft	Brown fine and medium SAND, Some Silt, little organics, trace coarse gravel and clay	SAND
	1 - 2 ft	Brown fine and medium SAND, Some fine Gravel and coarse Sand, little coarse gravel	SAND
SE01	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace semi-angular fine gravel	SILT
	0.17 - 1 ft	Light Brown SILT, Some light brown Clay, trace coarse rounded gravel, trace organics	SILT
	1 - 2 ft	Brown SILT, little fine to coarse gravel, trace clay, trace organics	SILT
SE02	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay, trace gravel	SILT
	0.17 - 1 ft	Light Brown SILT, little clay, trace coarse angular gravel, trace organics	SILT
	1 - 2 ft	Light Brown SILT, Some brown Clay, trace fine to coarse gravel, trace organics	SILT
SE03-A	0 - 0.17 ft	Dark Brown SILT, little organics, trace brown clay	SILT
	0.17 - 1 ft	Dark Brown CLAY, Some brown Silt, trace organics, trace coarse angular gravel	CLAY
	1 - 2 ft	Light Brown SILT, Some brown Silt, trace coarse angular gravel, trace organics	SILT
SE03-B	0 - 0.17 ft	Dark Brown CLAY, Some Silt, little organics	CLAY
	0.17 - 1 ft	Light Brown CLAY, little brown silt, trace coarse brown angular gravel, trace organics	CLAY
	1 - 2 ft	Light Brown CLAY, little fine angular gravel, trace organics	CLAY
SE09	0 - 0.17 ft	Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine and medium SAND, Some Silt, little clay and coarse sand	SAND
	1 - 2 ft	Light Brown fine SAND and SILT, Some Clay, little coarse sand	SAND and SILT
SE10	0 - 0.17 ft	Brown SILT, Some Organics, trace brown clay, trace coarse angular gravel	SILT
	0.17 - 1 ft	Brown CLAY, Some fine to coarse angular Gravel, trace brown silt and organics	CLAY
	1 - 2 ft	Brown SILT, Some fine to coarse angular Gravel, little clay, trace organics	SILT
SE11	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine to coarse SAND, Some Silt and Organics	SAND
	1 - 2 ft	Light Brown fine and medium SAND and SILT, Some Clay, trace gravel	SAND and SILT
SE12	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine and medium SAND and SILT, little coarse sand and clay	SAND and SILT
	1 - 2 ft	Light Brown fine to coarse SAND, Some Silt, little gravel and clay	SAND
SE13-B	0 - 0.17 ft	ORGANICS, Some brown Silt, trace coarse to fine angular gravel	ORGANICS
	0.17 - 1 ft	Light Brown CLAY, little brown silt, trace fine gravel and organics	CLAY
	1 - 2 ft	Light Brown CLAY, little fine to coarse angular gravel, trace organics	CLAY
SE13-A	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace brown clay	SILT
	0.17 - 1 ft	Brown SILT, little fine to coarse angular gravel and organics, trace clay	SILT
	1 - 2 ft	Brown SILT and coarse angular GRAVEL, trace clay and organics	SILT and GRAVEL
SE14	0 - 0.17 ft	Brown SILT, Some Organics, trace clay, trace fine to coarse angular gravel	SILT
	0.17 - 1 ft	Light Brown SILT, Some light brown Clay, trace fine to coarse angular gravel, trace organics	SILT
	1 - 2 ft	Light Brown CLAY, Some brown Silt, little fine to coarse angular gravel, trace organics	CLAY
SE15	0 - 0.17 ft	0-1" Dark Brown SILT, Some Organics, trace clay; 1-2" Light Brown fine to coarse SAND	SILT and SAND
	0.17 - 1 ft	Light Brown fine SAND and SILT, Some Clay, little medium sand	SAND and SILT
	1 - 2 ft	Light Brown fine SAND and SILT, Some Clay, little medium sand and gravel	SAND and SILT
SW02-A	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Brown medium and coarse SAND, Some Organics, little fine gravel, trace silt	SAND
	1 - 1.33 ft	Light Brown fine to coarse SAND, Some fine Gravel (gray shale); Refusal at 16" on possible bedrock.	SAND
SW02-B	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine to coarse SAND and SILT, trace clay	SAND
	1 - 2 ft	Light Brown fine to coarse SAND, Some Silt, little fine gravel	SAND
SW03	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine and medium SAND, Some Silt, trace clay	SAND
	1 - 2 ft	Light Brown fine to coarse SAND and SILT, Some coarse Gravel, trace silt	SAND and SILT
SW07	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine SAND and SILT, Some medium Sand and Clay, trace fine gravel	SAND and SILT
	1 - 2 ft	Light Brown coarse SAND and GRAVEL, little fine and medium sand, trace silt and clay	SAND and GRAVEL

Table 2: Soil Sample Descriptions (Supplemental Phase)

Supplemental Scope Data Summary Report

Regional Air Deposition Study

Village of Hoosick Falls, New York

Sample Location	Sample Depth (feet)	Soil Description*	Soil Type
SW12	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Brown coarse SAND and fine GRAVEL, Some coarse Gravel and medium Sand	SAND and GRAVEL
	1 - 2 ft	Brown coarse SAND and fine GRAVEL (angular gray shale), Some medium Sand	SAND and GRAVEL
W01	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine and medium SAND, Some coarse Sand, little silt, trace gravel	SAND
	1 - 1.8 ft	Light Brown fine SAND and SILT, little medium sand and clay, trace angular gravel (shale); Refusal at 21.5" on possible bedrock.	SAND and SILT
W06	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace silt, trace angular gravel	SILT
	0.17 - 1 ft	Dark Brown SILT, Some brown Clay, trace coarse angular gravel, trace organics	SILT
	1 - 2 ft	Brown SILT, Some brown Clay, trace angular gravel, trace organics	SILT
W12	0 - 0.17 ft	Dark Brown medium SAND, Some Orgnaics, little fine to coarse sand, grades to Light Brown	SAND
	0.17 - 1 ft	Light Brown fine SAND and SILT, little clay, trace coarse sand	SAND and SILT
	1 - 2 ft	Light Brown fine SAND and SILT, Some Clay, trace coarse sand	SAND and SILT
W13	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Light Brown fine to coarse SAND, little silt, trace gravel	SAND
	1 - 2 ft	Light Brown fine to coarse SAND, Some Silt, little clay	SAND
W16	0 - 0.17 ft	Dark Brown SILT, Some Organics, trace clay	SILT
	0.17 - 1 ft	Brown fine to coarse SAND, little silt and clay	SAND
	1 - 2 ft	Light Brown fine and medium SAND and SILT, Some coarse Sand, trace gravel	SAND and SILT

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

Location									HF1-E12			HF1-E15			HF1-E19			
									11/15/2021	11/15/2021	11/15/2021	11/09/2021	11/09/2021	11/09/2021	12/20/2021	12/20/2021	12/20/2021	
									0 - 0.17 ft	0.17 - 1 ft	1 - 1.5 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	1 - 2 ft
									N	N	N	N	N	N	N	N	N	FD
									Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
			Guidance Values															
Parameter			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.										
General Parameters			Underline	Italic	Border	--	--	--										
	Carbon, total organic	mg/kg	--	--	--	--	--	--	82000	57000	11000	130000	21000	7200	360000	30000	9900	12000
	Moisture	%	--	--	--	--	--	--	46.0	34.9	18.0	37.2	15.0	9.4	69	20	11	9.3
	pH	pH units	--	--	--	--	--	--	4.7	5.2	5.3	4.4 J	5.2 J	5.7	4.6	4.1	5.3	5.3
PFAS Group	Per- and Polyfluoroalkyl Substances																	
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	1.2	0.88	< 0.24 U	1.4	0.35 J	< 0.21 U	< 0.62 U	0.32 J	< 0.21 U	< 0.20 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.4 U	< 1.2 U	< 0.97 U	< 1.2 U	< 0.86 U	< 0.84 U	< 2.5 U	< 0.92 U	< 0.84 U	< 0.82 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.29 U	< 0.24 U	0.35 J	0.22 J	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	0.43 J	< 0.29 U	< 0.24 U	0.69 J	0.35 J	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	0.36 J	< 0.29 U	< 0.24 U	0.54 J	0.49 J	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	2.9	4.1	2.6	4.3	5.9	2.0	< 0.62 U	1.6	2.9	2.2
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	0.47 J	< 0.29 U	< 0.24 U	0.56 J	< 0.21 U	< 0.21 U	< 0.62 U	0.29 J	< 0.21 U	< 0.20 U
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.29 U	< 0.24 U	0.50 J	< 0.21 U	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.29 U	< 0.24 U	0.64 J	< 0.21 U	< 0.21 U	0.79 J	< 0.23 U	< 0.21 U	< 0.20 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.29 U	< 0.24 U	0.36 J	< 0.21 U	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.29 U	< 0.24 U	0.30 J	< 0.21 U	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.29 U	< 0.24 U	< 0.30 U	< 0.21 U	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.29 U	< 0.24 U	< 0.30 U	< 0.21 U	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.29 U	< 0.24 U	< 0.30 U	< 0.21 U	< 0.21 U	< 0.62 U	< 0.23 U	< 0.21 U	< 0.20 U

Notes:
*Results are included for analytes that were detected.
** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan
Detections are presented in bold.
N - Sample type: Normal
FD - Sample type: Field Duplicate
mg/kg - milligram per kilogram
ng/g - nanogram per gram
J - Estimated detected value. The reported value is less than the stated laboratory quantitation
R - The data are unusable. The samples results are rejected due to serious deficiencies in
U - The analyte was analyzed for, but was not detected.
UJ - The analyte was analyzed for, but not detected. The reported value is approximate and may be inaccurate or imprecise.
FASAs - perfluoroalkane sulfonamides
FASAAs - perfluoroalkane sulfonamido acetic acids
FTSAs - fluorotelomer sulfonic acids
PFAS - per- and polyfluoroalkyl substances
PFCAs - perfluoroalkyl carboxylic acids
PFSAs - perfluoroalkane sulfonic acids
N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid
¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

Location									HF1-E20			HF1-NE07			HF1-NE09-A			HF1-NE09-B			
									Date	12/20/2021	12/20/2021	12/20/2021	5/16/2022	5/16/2022	5/16/2022	5/16/2022	5/16/2022	5/16/2022	5/16/2022	5/16/2022	
									Depth	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
									Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
	Parameter	Units	Guidance Values																		
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.													
	General Parameters		Underline	Italic	Border	--	--	--													
		Carbon, total organic	mg/kg	--	--	--	--	--	--	51000	10000	3400	190000	20000	5700	53000	18000	4700	60000	8600	7700
	Moisture	%	--	--	--	--	--	--	30	18	14	56 J	15 J	9.0 J	31 J	21 J	15 J	31 J	13 J	15 J	
	pH	pH units	--	--	--	--	--	--	5.7	5.9	5.7	4.4	4.6	4.5	4.6	4.6	4.5	5.1	5.0	4.9	
PFAS Group	Per- and Polyfluoroalkyl Substances																				
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	< 0.28 U	< 0.22 U	< 0.23 U	1.7	0.38 J	< 0.21 U	0.65 J	0.57 J	< 0.22 U	0.87	< 0.21 U	< 0.22 U	
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.1 U	< 0.88 U	< 0.91 U	< 1.7 U	< 0.91 U	< 0.84 U	< 1.1 U	< 0.99 U	< 0.90 U	< 1.1 U	< 0.83 U	< 0.88 U	
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	< 0.42 U	< 0.23 U	< 0.21 U	< 0.27 U	0.29 J	< 0.22 U	< 0.27 U	0.24 J	< 0.22 U	
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	< 0.42 U	< 0.23 U	< 0.21 U	< 0.27 U	< 0.25 U	< 0.22 U	< 0.27 U	< 0.21 U	0.33 J	
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	< 0.42 U	0.29 J	< 0.21 U	< 0.27 U	0.29 J	0.57 J	< 0.27 U	0.24 J	0.51 J	
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	< 0.28 U	0.48 J	0.79	2.2	3.0	2.1	0.86	4.2	5.5	1.7	5.2	6.2	
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	0.49 J	< 0.23 U	< 0.21 U	< 0.27 U	0.25 J	< 0.22 U	0.33 J	< 0.21 U	< 0.22 U	
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	1.2 J	< 0.23 U	< 0.21 U	0.51 J	0.25 J	< 0.22 U	0.70 J	< 0.21 U	< 0.22 U	
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	0.38 J	< 0.22 U	< 0.23 U	1.4	< 0.23 U	< 0.21 U	0.74 J	< 0.25 U	< 0.22 U	0.70 J	< 0.21 U	< 0.22 U	
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	0.96 J	< 0.23 U	< 0.21 U	0.44 J	< 0.25 U	< 0.22 U	0.46 J	< 0.21 U	< 0.22 U	
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	0.62 J	< 0.23 U	< 0.21 U	0.28 J	< 0.25 U	< 0.22 U	0.38 J	< 0.21 U	< 0.22 U	
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	0.48 J	< 0.23 U	< 0.21 U	< 0.27 U	< 0.25 U	< 0.22 U	0.33 J	< 0.21 U	< 0.22 U	
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	< 0.42 U	< 0.23 U	< 0.21 U	< 0.27 U	< 0.25 U	< 0.22 U	< 0.27 U	< 0.21 U	< 0.22 U	
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.22 U	< 0.23 U	< 0.42 U	< 0.23 U	< 0.21 U	< 0.27 U	< 0.25 U	< 0.22 U	< 0.27 U	< 0.21 U	< 0.22 U	

Notes:
*Results are included for analytes that were detected.
** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan
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FASAs - perfluoroalkane sulfonamides
FASAAs - perfluoroalkane sulfonamido acetic acids
FTSAs - fluorotelomer sulfonic acids
PFAS - per- and polyfluoroalkyl substances
PFCAs - perfluoroalkyl carboxylic acids
PFSAs - perfluoroalkane sulfonic acids
N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid
¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

Location									HF1-NE10				HFI-NE12			HF1-N03				HFI-N06		
									5/16/2022	5/16/2022		5/16/2022	11/30/2021	11/30/2021	11/30/2021	11/18/2021	11/18/2021		11/18/2021	11/30/2021	11/30/2021	11/30/2021
									0 - 0.17 ft	0.17 - 1 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									N	N	FD	N	N	N	N	N	N	FD	N	N	N	N
									Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
			Guidance Values																			
Parameter			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.														
General Parameters			Underline	Italic	Border	--	--	--														
	Carbon, total organic	mg/kg	--	--	--	--	--	--	52000	22000	18000	2100	31000	10000	6800	36000	31000	20000	13000	75000	16000	5700
	Moisture	%	--	--	--	--	--	--	33 J	20 J	22 J	8.9 J	32.0	17.8	18.2	29.4	25.4	22.2	23.5	36.9	21.5	15.9
	pH	pH units	--	--	--	--	--	--	6.4	6.5	6.6	6.6	6.5	6.7	7.1	6.0	6.0	6.0	5.4	5.7	6.1	6.8
PFAS Group	Per- and Polyfluoroalkyl Substances																					
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.60 J	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	0.58 J	0.84	0.29 J	< 0.24 U	0.47 J	< 0.24 U	< 0.23 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.1 U	< 0.95 U	< 0.96 U	< 0.81 U	< 1.1 U	< 0.92 U	< 0.95 U	< 1.1 U	< 1.0 U	< 0.98 U	< 0.97 U	< 1.2 U	< 0.94 U	< 0.91 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.24 U	< 0.24 U	< 0.20 U	0.30 J	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	0.28 J	0.46 J	0.42 J	< 0.30 U	< 0.24 U	0.23 J
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	0.34 J	0.33 J	0.36 J	< 0.20 U	< 0.27 U	< 0.23 U	0.26 J	< 0.27 U	0.27 J	0.82	0.75	< 0.30 U	0.31 J	0.31 J
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	4.9	3.9	4.1	1.6	2.2	3.4	5.1	0.40 J	2.2	11	11	2.0	4.7	4.6
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	0.28 J	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	0.41 J	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.28 U	< 0.24 U	< 0.24 U	< 0.20 U	< 0.27 U	< 0.23 U	< 0.24 U	< 0.27 U	< 0.26 U	< 0.24 U	< 0.24 U	< 0.30 U	< 0.24 U	< 0.23 U

Notes:
*Results are included for analytes that were detected.
** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan
Detections are presented in bold.
N - Sample type: Normal
FD - Sample type: Field Duplicate
mg/kg - milligram per kilogram
ng/g - nanogram per gram
J - Estimated detected value. The reported value is less than the stated laboratory quantitation
R - The data are unusable. The samples results are rejected due to serious deficiencies in
U - The analyte was analyzed for, but was not detected.
UJ - The analyte was analyzed for, but not detected. The reported value is approximate and may be inaccurate or imprecise.
FASAs - perfluoroalkane sulfonamides
FASAAs - perfluoroalkane sulfonamido acetic acids
FTSAs - fluorotelomer sulfonic acids
PFAS - per- and polyfluoroalkyl substances
PFCAs - perfluoroalkyl carboxylic acids
PFSAs - perfluoroalkane sulfonic acids
N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid
¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

									Location			HF1-N08-A			HF1-N08-B			HF1-N09			HF1-NW02			HF1-NW06			
									Date			11/05/2021	11/05/2021	11/05/2021	11/05/2021	11/05/2021	11/05/2021	1/26/2022	1/26/2022	1/26/2022	11/15/2021	11/15/2021	11/15/2021	1/26/2022	1/26/2022	1/26/2022	
									Depth			0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	
									Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
									Data Status			Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
	Parameter	Units	Guidance Values																								
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.																			
	General Parameters			Underline	Italic	Border	--	--	--																		
	Carbon, total organic	mg/kg	--	--	--	--	--	--	92000	27000	1800	61000	23000	3800	350000	12000	2400	38000	25000	12000	79000	20000	14000				
	Moisture	%	--	--	--	--	--	--	42.8	29.3	14.8	37.8	23.7	15.5	79	22	12	30.7	29.7	19.4	36	18	18				
	pH	pH units	--	--	--	--	--	--	5.6	4.5	4.5	5.5	5.6	6.1	6.3	6.9	6.7	5.5	5.5	5.8	7.3	6.1	6.2				
PFAS Group	Per- and Polyfluoroalkyl Substances																										
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.64 J	0.80 J	< 0.23 U	0.33 J	0.28 J	< 0.23 U	1.3 J	0.27 J	< 0.23 U	0.43 J	0.41 J	< 0.23 U	< 0.30 U	0.42 J	0.31 J				
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.4 U	< 1.1 U	< 0.94 U	< 1.2 U	< 1.0 U	< 0.90 U	< 3.7 U	< 1.0 U	< 0.90 U	< 1.1 U	< 1.1 U	< 0.92 U	< 1.2 U	< 0.94 U	< 0.98 U				
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.35 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.35 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	0.33 J	< 0.23 U	< 0.30 U	0.79	0.70 J				
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 0.35 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	0.24 J	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	0.31 J	0.29 J	< 0.30 U	0.67 J	1.0				
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	0.48 J	2.2	1.9	1.4	2.5	2.1	< 0.92 U	1.6	3.3	0.74 J	3.4	4.4	0.30 J	3.5	8.6				
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 0.35 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	0.44 J	0.29 J	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	0.94 J	0.32 J	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	0.44 J	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.35 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.35 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.35 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.35 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.26 U	< 0.23 U	< 0.92 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U				

Notes:
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Detections are presented in bold.
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FD - Sample type: Field Duplicate
mg/kg - milligram per kilogram
ng/g - nanogram per gram
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R - The data are unusable. The samples results are rejected due to serious deficiencies in
U - The analyte was analyzed for, but was not detected.
UJ - The analyte was analyzed for, but not detected. The reported value is approximate and may be inaccurate or imprecise.
FASAs - perfluoroalkane sulfonamides
FASAAs - perfluoroalkane sulfonamido acetic acids
FTSAs - fluorotelomer sulfonic acids
PFAS - per- and polyfluoroalkyl substances
PFCAs - perfluoroalkyl carboxylic acids
PFSAs - perfluoroalkane sulfonic acids
N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid
¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

Location									HF1-NW07			HF1-NW11			HF1-NW16			HF1-NW17			HF1-NW19				
									Date	1/25/2022	1/25/2022	1/25/2022	1/25/2022	1/25/2022		1/25/2022	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021	12/01/2021
									Depth	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									Sample Type	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N
									Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
	Parameter	Units	Guidance Values																						
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.																	
			Underline	Italic	Border	--	--	--																	
	General Parameters																								
	Carbon, total organic	mg/kg	--	--	--	--	--	--	45000	17000	3400	110000	16000	16000	4300	61000	16000	6600	110000	38000	4800	120000	15000	16000	
	Moisture	%	--	--	--	--	--	--	52	20	13	57	15	17	7.8	31.2	19.1	12.8	42.0	20.6	11.3	44.5	20.4	14.2	
	pH	pH units	--	--	--	--	--	--	5.8	5.3	6.2	6.0	8.6	5.0	5.6	5.1	4.7	4.7	5.7	5.9	5.1	4.2	4.7	4.4	
PFAS Group	Per- and Polyfluoroalkyl Substances																								
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.44 J	< 0.24 U	< 0.23 U	0.64 J	0.50 J	0.51 J	< 0.21 U	0.73 J	< 0.22 U	< 0.21 U	0.86 J	0.53 J	< 0.22 U	1.3	< 0.25 U	< 0.22 U	
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.6 U	< 0.96 U	< 0.92 U	< 1.8 U	< 0.92 U	< 0.96 U	< 0.85 U	< 1.1 U	< 0.90 U	< 0.84 U	< 1.3 U	< 0.92 U	< 0.89 U	< 1.3 U	< 1.0 U	< 0.90 U	
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	2.7	< 0.25 U	< 0.22 U	
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 0.39 U	0.31 J	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	0.65 J	3.5	4.3	0.72 J	1.4	1.5	1.9	1.4	3.1	4.3	0.82 J	0.98	2.5	0.93 J	4.9	1.3	
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	0.52 J	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.39 U	< 0.24 U	< 0.23 U	< 0.45 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.28 U	< 0.22 U	< 0.21 U	< 0.31 U	< 0.23 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.22 U	

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Regional Air Deposition Study
Village of Hoosick Falls, New York

Location									HF1-NW21			HF1-NW23			HF1-NW24			HF1-NW25			HF1-S01		
									11/04/2021	11/04/2021	11/04/2021	12/06/2021	12/06/2021	12/06/2021	1/19/2022	1/19/2022	1/19/2022	1/19/2022	1/19/2022	1/19/2022	11/15/2021	11/15/2021	11/15/2021
									0 - 0.17 ft	0.17 - 1 ft	1 - 1.88 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
									Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
	Parameter	Units	Guidance Values																				
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.															
	General Parameters		<u>Underline</u>	<i>Italic</i>	Border	--	--	--															
	Carbon, total organic	mg/kg	--	--	--	--	--	--	59000	22000	9200	100000	15000	1500	520000	11000	5600	100000	20000	12000	61000	26000	7400
	Moisture	%	--	--	--	--	--	--	23.5	24.4	20.2	43.9	20.7	16.3	86	21	16	62	22	12	33.9	32.5	14.7
	pH	pH units	--	--	--	--	--	--	4.4	4.5	4.8	5.9	5.5	5.3	4.9	4.5	4.7	4.7	4.6	4.8	5.2	5.1	5.5
PFAS Group	Per- and Polyfluoroalkyl Substances																						
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.55 J	0.74	0.28 J	0.87 J	0.40 J	< 0.22 U	12	2.0	0.59 J	0.59 J	0.56 J	0.80	0.58 J	0.52 J	0.30 J
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 0.95 U	< 0.98 U	< 0.91 U	< 1.4 U	< 1.0 U	< 0.89 U	< 5.5 U	< 0.94 U	< 0.88 U	< 1.9 U	< 0.97 U	< 0.89 U	< 1.2 U	< 1.1 U	< 0.93 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	0.26 J	< 0.34 U	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	0.29 J	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	0.30 J	< 0.34 U	< 0.25 U	0.22 J	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	0.74	< 0.22 U	< 0.29 U	0.46 J	< 0.23 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	0.25 J	< 0.34 U	0.25 J	< 0.22 U	< 1.4 U	0.67 J	0.46 J	< 0.48 U	0.73	0.50 J	< 0.29 U	0.60 J	< 0.23 U
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	0.30 J	1.4	2.9	0.69 J	3.0	2.1	< 1.4 U	13	8.4	< 0.48 U	11	8.8	1.5	8.9	2.4
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 0.24 U	0.31 J	< 0.23 U	< 0.34 U	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	< 0.23 U	0.38 J	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	0.36 J	< 0.25 U	< 0.23 U	0.64 J	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	< 0.23 U	< 0.34 U	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	< 0.23 U	< 0.34 U	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	< 0.23 U	< 0.34 U	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	< 0.23 U	< 0.34 U	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.24 U	< 0.25 U	< 0.23 U	< 0.34 U	< 0.25 U	< 0.22 U	< 1.4 U	< 0.24 U	< 0.22 U	< 0.48 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.29 U	< 0.23 U

Notes:

*Results are included for analytes that were detected.

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

FD - Sample type: Field Duplicate

mg/kg - milligram per kilogram

ng/g - nanogram per gram

J - Estimated detected value. The reported value is less than the stated laboratory quantitation

R - The data are unusable. The samples results are rejected due to serious deficiencies in

U - The analyte was analyzed for, but was not detected.

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

FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

Location									HF1-S02				HF1-S06			HF1-S07			HF1-S09			HF1-SE01			
									Date	11/15/2021	11/15/2021	11/15/2021		12/06/2021	12/06/2021	12/06/2021	1/20/2022	1/20/2022	1/20/2022	6/02/2022	6/02/2022	6/02/2022	11/08/2021	11/08/2021	11/08/2021
									Depth	0 - 0.17 ft	0.17 - 1 ft	1 - 1.8 ft	1 - 1.8 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 1.7 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
									Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
	Parameter	Units	Guidance Values																						
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.																	
			Underline	Italic	Border	--	--	--																	
	General Parameters																								
	Carbon, total organic	mg/kg	--	--	--	--	--	--	51000	34000	31000	5900	55000	4800	2200	84000	18000	6400	28000	15000	6600	57000	17000	< 750 U	
	Moisture	%	--	--	--	--	--	--	25.5	30.6	29.4	12.7	32.3	17.6	12.4	66	20	16	25	21	16	29.7	26.1	14.3	
	pH	pH units	--	--	--	--	--	--	5.3	5.4	5.6	5.6	6.7	6.1	6.9	5.4	4.9	5.3	4.6	5.2	5.2	4.7 J	4.9 J	4.7 J	
PFAS Group	Per- and Polyfluoroalkyl Substances																								
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.30 J	0.54 J	0.39 J	0.23 J	0.32 J	< 0.23 U	< 0.23 U	0.68 J	0.90	0.29 J	0.77 J	0.71 J	0.42 J	0.92	< 0.26 U	< 0.22 U	
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.1 U	< 1.1 U	< 1.1 U	< 0.89 U	< 1.1 U	< 0.93 U	< 0.90 U	< 2.2 U	< 0.97 U	< 0.95 U	< 1.1 U	< 1.0 U	< 0.90 U	< 1.1 U	< 1.0 U	< 0.90 U	
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	0.37 J	< 0.24 U	< 0.26 U	0.28 J	< 0.23 U	0.39 J	< 0.26 U	< 0.22 U	
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.26 U	0.39 J	0.32 J	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	1.3	< 0.24 U	< 0.26 U	0.64 J	0.43 J	< 0.28 U	< 0.26 U	< 0.22 U	
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 0.26 U	0.63 J	0.48 J	0.22 J	< 0.28 U	0.29 J	< 0.23 U	0.93 J	1.7	0.40 J	0.34 J	0.76	0.50 J	0.35 J	0.74 J	0.31 J	
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	0.59 J	6.7	4.6	2.5	< 0.28 U	3.9	1.3	3.9	13	5.3	1.8	5.9	5.4	2.4	9.1	5.4	
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.25 U	< 0.23 U	0.41 J	< 0.26 U	< 0.22 U	
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.25 U	< 0.23 U	0.38 J	< 0.26 U	< 0.22 U	
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.25 U	< 0.23 U	0.55 J	< 0.26 U	< 0.22 U	
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.26 U	< 0.22 U	
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.25 U	< 0.23 U	0.32 J	< 0.26 U	< 0.22 U	
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.26 U	< 0.22 U	
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.26 U	< 0.22 U	
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.26 U	< 0.29 U	< 0.28 U	< 0.22 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.55 U	< 0.24 U	< 0.24 U	< 0.26 U	< 0.25 U	< 0.23 U	< 0.28 U	< 0.26 U	< 0.22 U	

Notes:
*Results are included for analytes that were detected.
** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan
Detections are presented in bold.
N - Sample type: Normal
FD - Sample type: Field Duplicate
mg/kg - milligram per kilogram
ng/g - nanogram per gram
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R - The data are unusable. The samples results are rejected due to serious deficiencies in
U - The analyte was analyzed for, but was not detected.
UJ - The analyte was analyzed for, but not detected. The reported value is approximate and may be inaccurate or imprecise.
FASAs - perfluoroalkane sulfonamides
FASAAs - perfluoroalkane sulfonamido acetic acids
FTSAs - fluorotelomer sulfonic acids
PFAS - per- and polyfluoroalkyl substances
PFCAs - perfluoroalkyl carboxylic acids
PFSAs - perfluoroalkane sulfonic acids
N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid
¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

Location Date Depth Sample Type Data Status									HF1-SE02			HF1-SE03-A			HF1-SE03-B			HF1-SE09			HF1-SE10			
									11/08/2021	11/08/2021	11/08/2021	11/08/2021	11/08/2021	11/08/2021	11/08/2021	11/08/2021	11/08/2021	11/08/2021	11/23/2021	11/23/2021	11/23/2021	5/18/2022	5/18/2022	5/18/2022
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.42 ft	
									N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
									Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	
	Parameter	Units	Guidance Values																					
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.																
			Underline	Italic	Border	--	--	--																
	General Parameters																							
	Carbon, total organic	mg/kg	--	--	--	--	--	--	49000	17000	12000	68000	10000	3300	26000	4900	2700	78000	23000	6300	73000	20000	9900	
	Moisture	%	--	--	--	--	--	--	36.8	25.2	24.4	38.5	25.0	15.9	33.8	18.8	16.1	39.0	22.7	17.1	41 J	19 J	5.4 J	
	pH	pH units	--	--	--	--	--	--	5.0 J	4.9 J	4.9 J	4.4 J	4.8 J	5.0 J	5.9 J	6.2 J	6.3 J	5.7	5.3	5.1	4.0	4.6	4.7	
PFAS Group	Per- and Polyfluoroalkyl Substances																							
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	<u>0.88</u>	3.7	8.8	44	440	440	0.76 J	0.38 J	< 0.26 U	1.2	0.26 J	< 0.22 U	0.38 J	0.24 J	< 0.24 U	< 0.31 U	< 0.26 U	0.25 J	2.0	0.27 J	0.43 J	
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.2 U	< 1.0 U	< 1.0 U	< 1.2 U	< 0.98 U	< 0.88 U	< 1.2 U	< 0.92 U	< 0.94 U	< 1.2 U	< 1.0 U	< 0.90 U	< 1.3 U	< 0.91 U	< 0.78 U	
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	< 0.30 U	0.24 J	< 0.22 U	< 0.29 U	0.23 J	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	< 0.32 U	< 0.23 U	< 0.20 U	
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	< 0.30 U	0.48 J	< 0.22 U	< 0.29 U	0.44 J	< 0.24 U	< 0.31 U	< 0.26 U	0.31 J	< 0.32 U	< 0.23 U	< 0.20 U	
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 0.31 U	0.77	< 0.26 U	< 0.30 U	0.94	0.25 J	0.30 J	0.59 J	< 0.24 U	< 0.31 U	0.37 J	0.45 J	< 0.32 U	< 0.23 U	< 0.20 U	
	Perfluorooctanoic acid (PFOA)	ng/g	<u>0.66</u>	<i>1.1</i>	6.6	33	500	600	1.0	7.4	12	2.7	11	4.9	2.5	5.5	2.3	0.71 J	3.8	5.2	1.6	2.3	2.7	
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	0.43 J	< 0.24 U	< 0.22 U	< 0.29 U	< 0.23 U	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	0.59 J	< 0.23 U	< 0.20 U	
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	0.41 J	< 0.24 U	< 0.22 U	< 0.29 U	< 0.23 U	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	0.55 J	< 0.23 U	< 0.20 U	
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	0.44 J	< 0.26 U	< 0.26 U	0.52 J	< 0.24 U	< 0.22 U	< 0.29 U	< 0.23 U	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	0.68 J	< 0.23 U	< 0.20 U	
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	< 0.30 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.23 U	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	< 0.32 U	< 0.23 U	< 0.20 U	
	Perfluorotridecanoic acid (PFTriDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	< 0.30 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.23 U	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	< 0.32 U	< 0.23 U	< 0.20 U	
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	< 0.30 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.23 U	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	< 0.32 U	< 0.23 U	< 0.20 U	
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	< 0.30 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.23 U	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	< 0.32 U	< 0.23 U	< 0.20 U	
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.31 U	< 0.26 U	< 0.26 U	< 0.30 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.23 U	< 0.24 U	< 0.31 U	< 0.26 U	< 0.23 U	< 0.32 U	< 0.23 U	< 0.20 U	

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N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid
¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

Location Date Depth Sample Type Data Status									HF1-SE11			HF1-SE12			HF1-SE13-A			HF1-SE13-B			HF1-SE14		
									11/23/2021	11/23/2021	11/23/2021	11/23/2021	11/23/2021	11/23/2021	5/18/2022	5/18/2022	5/18/2022	5/18/2022	5/18/2022	5/18/2022	11/16/2021	11/16/2021	11/16/2021
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.6 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
									Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
	Parameter	Units	Guidance Values																				
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.															
			Underline	Italic	Border	--	--	--															
	General Parameters																						
	Carbon, total organic	mg/kg	--	--	--	--	--	--	110000	21000	5900	65000	19000	4400	70000	12000	10000	410000 J	12000	2900	92000	18000	4000
	Moisture	%	--	--	--	--	--	--	44.2	24.8	18.3	42.6	24.0	13.4	34 J	24 J	15 J	75 J	24 J	16 J	46.8	34.9	19.1
	pH	pH units	--	--	--	--	--	--	4.9	5.0	5.1	5.5	5.1	6.2	5.2	4.6	4.6	4.5	4.4	4.5	5.7	5.2	5.2
PFAS Group	Per- and Polyfluoroalkyl Substances																						
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.60 J	0.47 J	< 0.23 U	0.44 J	0.57 J	< 0.22 U	0.75 J	0.36 J	< 0.22 U	3.3 J	0.48 J	< 0.22 U	0.69 J	0.43 J	< 0.23 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.4 U	< 0.97 U	< 0.93 U	< 1.3 U	< 1.0 U	< 0.89 U	< 1.1 U	< 0.96 U	< 0.89 U	< 3.0 UJ	< 1.0 U	< 0.88 U	< 1.5 U	< 1.2 U	< 0.91 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	< 0.76 UJ	0.27 J	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.34 U	0.26 J	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	< 0.76 UJ	0.41 J	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 0.34 U	0.41 J	< 0.23 U	< 0.33 U	0.27 J	< 0.22 U	< 0.28 U	0.54 J	0.42 J	< 0.76 UJ	0.53 J	0.22 J	< 0.36 U	0.36 J	0.29 J
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	0.49 J	4.5	2.9	0.40 J	3.3	2.0	0.78 J	7.3	5.6	3.8 J	4.1	3.1	0.59 J	2.3	3.7
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	1.5 J	< 0.25 U	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	1.2 J	< 0.25 U	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	0.41 J	< 0.24 U	< 0.22 U	1.5 J	< 0.25 U	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	0.77 J	< 0.25 U	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	< 0.76 UJ	< 0.25 U	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	< 0.76 UJ	< 0.25 U	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	< 0.76 UJ	< 0.25 U	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.34 U	< 0.24 U	< 0.23 U	< 0.33 U	< 0.25 U	< 0.22 U	< 0.28 U	< 0.24 U	< 0.22 U	< 0.76 UJ	< 0.25 U	< 0.22 U	< 0.36 U	< 0.30 U	< 0.23 U

Notes:
*Results are included for analytes that were detected.
** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan
Detections are presented in bold.
N - Sample type: Normal
FD - Sample type: Field Duplicate
mg/kg - milligram per kilogram
ng/g - nanogram per gram
J - Estimated detected value. The reported value is less than the stated laboratory quantitation
R - The data are unusable. The samples results are rejected due to serious deficiencies in
U - The analyte was analyzed for, but was not detected.
UJ - The analyte was analyzed for, but not detected. The reported value is approximate and may be inaccurate or imprecise.
FASAs - perfluoroalkane sulfonamides
FASAAs - perfluoroalkane sulfonamido acetic acids
FTSAs - fluorotelomer sulfonic acids
PFAS - per- and polyfluoroalkyl substances
PFCAs - perfluoroalkyl carboxylic acids
PFSAs - perfluoroalkane sulfonic acids
N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid
¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

Location			HF1-SE15			HF1-SW02-A			HF1-SW02-B				HFI-SW03				HF1-SW07								
			Date	11/23/2021	11/23/2021	11/23/2021	11/11/2021	11/11/2021	11/11/2021	11/11/2021	11/11/2021		11/11/2021	11/30/2021	11/30/2021	11/30/2021		12/20/2021	12/20/2021	12/20/2021					
			Depth	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.33 ft	0 - 0.17 ft	0.17 - 1 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft		0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft					
			Sample Type	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N				
			Data Status	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated				
	Parameter	Units	Guidance Values																						
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.																	
			Underline	Italic	Border	--	--	--																	
	General Parameters																								
	Carbon, total organic	mg/kg	--	--	--	--	--	--	210000	11000	4200	140000	39000	14000	76000	19000	16000	1800	67000	13000	2500	3400	42000	12000	2900
	Moisture	%	--	--	--	--	--	--	52.1	24.6	19.7	49.7	18.9	15.5	39.5	17.5	21.0	15.9	36.7	19.6	13.6	14.8	17	19	13
	pH	pH units	--	--	--	--	--	--	4.8	5.3	5.2	4.2	4.4	4.8	4.7	4.7	4.7	4.8	5.3	4.8	4.9	4.8	5.0	5.1	5.9
PFAS Group	Per- and Polyfluoroalkyl Substances																								
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.75 J	0.40 J	< 0.23 U	1.7	0.83	< 0.22 U	0.87 J	0.27 J	0.28 J	< 0.22 U	0.67 J	< 0.25 U	< 0.22 U	< 0.22 U	0.72	0.82	< 0.22 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 1.5 U	< 0.98 U	< 0.93 U	< 1.5 U	< 0.94 U	< 0.87 U	< 1.2 U	< 0.91 U	< 0.96 U	< 0.86 U	< 1.3 U	< 0.99 U	< 0.90 U	< 0.88 U	< 0.91 U	< 0.93 U	< 0.89 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 0.38 U	0.28 J	< 0.23 U	< 0.37 U	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	0.25 J	< 0.22 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 0.38 U	0.46 J	< 0.23 U	< 0.37 U	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	0.43 J	< 0.22 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 0.38 U	0.45 J	< 0.23 U	< 0.37 U	0.24 J	< 0.22 U	< 0.30 U	0.38 J	0.24 J	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	0.39 J	< 0.22 U
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	1.4	3.4	5.3	1.1	2.0	2.4	1.8	6.9	4.2	0.65	0.72 J	3.2	0.49 J	0.93	0.58 J	4.0	2.9
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 0.38 U	< 0.25 U	< 0.23 U	< 0.37 U	0.27 J	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	< 0.23 U	< 0.22 U
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 0.38 U	< 0.25 U	< 0.23 U	< 0.37 U	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	0.28 J	< 0.23 U	< 0.22 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	< 0.38 U	< 0.25 U	< 0.23 U	0.84 J	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	0.40 J	< 0.23 U	< 0.22 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 0.38 U	< 0.25 U	< 0.23 U	0.39 J	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	< 0.23 U	< 0.22 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 0.38 U	< 0.25 U	< 0.23 U	< 0.37 U	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	< 0.23 U	< 0.22 U
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 0.38 U	< 0.25 U	< 0.23 U	< 0.37 U	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	< 0.23 U	< 0.22 U
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 0.38 U	< 0.25 U	< 0.23 U	< 0.37 U	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	< 0.23 U	< 0.22 U
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 0.38 U	< 0.25 U	< 0.23 U	< 0.37 U	< 0.23 U	< 0.22 U	< 0.30 U	< 0.23 U	< 0.24 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.22 U	< 0.22 U	< 0.23 U	< 0.23 U	< 0.22 U

Notes:

*Results are included for analytes that were detected.

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

FD - Sample type: Field Duplicate

mg/kg - milligram per kilogram

ng/g - nanogram per gram

J - Estimated detected value. The reported value is less than the stated laboratory quantitation

R - The data are unusable. The samples results are rejected due to serious deficiencies in

U - The analyte was analyzed for, but was not detected.

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

FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

			Location						HF1-SW12			HF1-W01			HF1-W06			HF1-W12				HF1-W13			
			Date						1/20/2022	1/20/2022	1/20/2022	11/17/2021	11/17/2021	11/17/2021	11/09/2021	11/09/2021	11/09/2021	11/04/2021	11/04/2021		11/04/2021	11/17/2021	11/17/2021	11/17/2021	
			Depth						0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.8 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	
			Sample Type						N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Data Status						Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated	Validated
	Parameter	Units	Guidance Values																						
			Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.																	
			Underline	Italic	Border	--	--	--																	
	General Parameters																								
	Carbon, total organic	mg/kg	--	--	--	--	--	--	310000	11000	6400	300000	18000	17000	10000	12000	66000	61000	16000	15000	7600	190000	26000	4700	
	Moisture	%	--	--	--	--	--	--	82	20	12	67.5	28.1	27.8	18.0	18.9	30.0	33.2	22.3	24.7	18.7	71.4	36.4	17.3	
	pH	pH units	--	--	--	--	--	--	6.2	5.1	5.1	4.4	5.0	5.0	5.3 J	5.5 J	5.1 J	3.9	4.3	4.3	4.3	5.3	5.4	5.0	
PFAS Group	Per- and Polyfluoroalkyl Substances																								
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	< 1.0 U	0.25 J	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	0.83	0.45 J	< 0.28 U	1.4	< 0.25 U	0.28 J	< 0.23 U	1.6 J	0.57 J	< 0.24 U	
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	< 4.2 U	< 1.0 U	< 0.83 U	< 2.4 U	< 1.0 U	< 1.1 U	< 0.92 U	< 0.90 U	< 1.1 U	1.3 J	< 0.98 U	< 1.1 U	0.94 J	< 2.9 U	< 1.2 U	< 0.95 U	
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.28 U	0.35 J	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.28 U	0.49 J	0.38 J	0.51 J	< 0.23 U	0.80 J	0.32 J	< 0.24 U	
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	< 0.23 U	0.25 J	< 0.28 U	0.45 J	0.39 J	0.64 J	< 0.23 U	< 0.71 U	0.45 J	< 0.24 U	
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	< 1.0 U	0.90	0.56 J	< 0.60 U	2.3	1.3	0.86	5.2	2.5	4.4	9.4	12	0.31 J	< 0.71 U	7.5	0.72	
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	0.27 J	< 0.23 U	< 0.28 U	0.52 J	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	0.28 J	< 0.23 U	< 0.28 U	< 0.28 U	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	0.41 J	< 0.23 U	< 0.28 U	< 0.28 U	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	< 0.21 U	< 0.60 U	< 0.26 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	
FASAAs	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	1.2 J	< 0.60 U	< 0.26 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	
	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	< 1.0 U	< 0.25 U	1.0 J	< 0.60 U	< 0.26 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.28 U	< 0.28 U	< 0.25 U	< 0.27 U	< 0.23 U	< 0.71 U	< 0.31 U	< 0.24 U	

Notes:

*Results are included for analytes that were detected.

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

FD - Sample type: Field Duplicate

mg/kg - milligram per kilogram

ng/g - nanogram per gram

J - Estimated detected value. The reported value is less than the stated laboratory quantitation

R - The data are unusable. The samples results are rejected due to serious deficiencies in

U - The analyte was analyzed for, but was not detected.

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

FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 3: Supplemental Phase Analytical Results*
Supplemental Scope Data Summary Report
Regional Air Deposition Study
Village of Hoosick Falls, New York

									Location		
									HF1-W16		
									Date	11/11/2021	11/11/2021
									Depth	0 - 0.17 ft	0.17 - 1 ft
									Sample Type	N	N
Data Status									Validated	Validated	Validated
Parameter			Guidance Values								
			Units	Unrest.	Prot. of GW	Res.	Rest. Res.	Comm.	Ind.		
General Parameters				Underline	Italic	Border	--	--	--		
	Carbon, total organic	mg/kg	--	--	--	--	--	--	--	140000	22000
	Moisture	%	--	--	--	--	--	--	--	62.3	26.8
	pH	pH units	--	--	--	--	--	--	--	4.6	4.4
PFAS Group	Per- and Polyfluoroalkyl Substances										
PFASs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440		0.84 J	0.56 J
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--	--	--	--	--	--	--	< 1.9 U	< 1.1 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	0.26 J
	Perfluorohexanoic acid (PFHxA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	0.37 J
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600		2.1	4.8
	Perfluorononanoic acid (PFNA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U
	Perfluorodecanoic acid (PFDA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U
	n-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U
FASAAs	n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	ng/g	--	--	--	--	--	--	--	< 0.48 U	< 0.26 U

Notes:
*Results are included for analytes that were detected.
** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan
Detections are presented in bold.
N - Sample type: Normal
FD - Sample type: Field Duplicate
mg/kg - milligram per kilogram
ng/g - nanogram per gram
J - Estimated detected value. The reported value is less than the stated laboratory quantitation
R - The data are unusable. The samples results are rejected due to serious deficiencies in
U - The analyte was analyzed for, but was not detected.
UJ - The analyte was analyzed for, but not detected. The reported value is approximate and may be inaccurate or imprecise.
FASAs - perfluoroalkane sulfonamides
FASAAs - perfluoroalkane sulfonamido acetic acids
FTSAs - fluorotelomer sulfonic acids
PFAS - per- and polyfluoroalkyl substances
PFCAs - perfluoroalkyl carboxylic acids
PFSAs - perfluoroalkane sulfonic acids
N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid
¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table 4: Supplemental Phase Summary Statistics
Supplemental Scope Data Summary Report
Village of Hoosick Falls, New York

All Soil Samples (0-2 feet)*											
	Parameter	# of Samples	# of Detections	Detection Frequency	Max	Min	Median	Arithmetic Mean	Geometric Mean	75 th Percentile	25 th Percentile
	Carbon, total organic (mg/kg)	156	156	100%	520,000	--	17,500	45,513	20,216	57,000	7,925
	Moisture (% by weight)	156	156	100%	86.0	5.4	21.3	27.0	23.6	33.2	16.5
	pH (pH units)	156	156	100%	8.60	3.90	5.10	5.28	5.23	5.70	4.70
PFAS Group	PFAS Compound** (ng/g)										
PFSAs	Perfluorooctanesulfonate (PFOS)	156	93	60%	12	--	0.325	0.59	0.42	0.67	--
PFCAs	Perfluorobutanoic acid (PFBA)	156	2	1%	1.3	--	--	--	--	--	--
	Perfluoropentanoic acid (PFPeA)	156	18	12%	2.7	--	--	--	--	--	--
	Perfluorohexanoic acid (PFHxA)	156	30	19%	1.3	--	--	--	--	--	--
	Perfluoroheptanoic acid (PFHpA)	156	64	41%	1.7	--	--	--	--	--	--
	Perfluorooctanoic acid (PFOA)	156	146	94%	13	--	2.5	3.4	1.4	4.5	1.0
	Perfluorononanoic acid (PFNA)	156	15	10%	1.5	--	--	--	--	--	--
	Perfluorodecanoic acid (PFDA)	156	14	9%	1.2	--	--	--	--	--	--
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	156	21	13%	1.5	--	--	--	--	--	--
	Perfluorododecanoic acid (PFDoA / PFDoDA)	156	7	4%	0.96	--	--	--	--	--	--
	Perfluorotridecanoic acid (PFTriA / PFTriA)	156	5	3%	0.62	--	--	--	--	--	--
	Perfluorotetradecanoic acid (PFTA / PFTeA / PFTeA)	156	2	1%	0.48	--	--	--	--	--	--
FASAAs	N-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	156	1	1%	1	--	--	--	--	--	--
	N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EFOSAA)	156	1	1%	1.2	--	--	--	--	--	--

Surface Soil Samples (0-0.17 feet)*											
	Parameter	# of Samples	# of Detections	Detection Frequency	Maximum	Minimum	Median	Arithmetic Mean	Geometric Mean	75 th Percentile	25 th Percentile
	Carbon, total organic (mg/kg)	52	52	100%	520,000	10,000	74,000	109,517	81,914	110,000	55,500
	Moisture (% by weight)	52	52	100%	86.0	17.0	38.2	43.0	40.5	49.0	32.1
	pH (pH units)	52	52	100%	7.30	3.90	5.25	5.24	5.19	5.70	4.63
PFAS Group	PFAS Compound** (ng/g)										
PFSAs	Perfluorooctanesulfonate (PFOS)	52	45	87%	12.0	--	0.71	1.0	0.74	0.9075	0.5575
PFCAs	Perfluorobutanoic acid (PFBA)	52	1	2%	1.3	--	--	--	--	--	--
	Perfluoropentanoic acid (PFPeA)	52	5	10%	2.7	--	--	--	--	--	--
	Perfluorohexanoic acid (PFHxA)	52	4	8%	0.8	--	--	--	--	--	--
	Perfluoroheptanoic acid (PFHpA)	52	7	13%	0.54	--	--	--	--	--	--
	Perfluorooctanoic acid (PFOA)	52	43	83%	4.9	--	0.93	1.4	1.1	1.95	0.66
	Perfluorononanoic acid (PFNA)	52	11	21%	1.5	--	--	--	--	--	--
	Perfluorodecanoic acid (PFDA)	52	12	23%	1.2	--	--	--	--	--	--
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	52	20	38%	1.5	--	--	--	--	--	--
	Perfluorododecanoic acid (PFDoA / PFDoDA)	52	7	13%	0.96	--	--	--	--	--	--
	Perfluorotridecanoic acid (PFTriA / PFTriA)	52	5	10%	0.62	--	--	--	--	--	--
	Perfluorotetradecanoic acid (PFTA / PFTeA / PFTeA)	52	2	4%	0.48	--	--	--	--	--	--

Table 4: Supplemental Phase Summary Statistics
 Supplemental Scope Data Summary Report
 Village of Hoosick Falls, New York

Near Surface Soil Samples (0.17-1 feet)*											
	Parameter	# of Samples	# of Detections	Detection Frequency	Maximum	Minimum	Median	Arithmetic Mean	Geometric Mean	75 th Percentile	25 th Percentile
	Carbon, total organic (mg/kg)	52	52	100%	57,000	4,800	17,000	18,953	17,103	22,000	12,250
	Moisture (% by weight)	52	52	100%	36.4	13.0	20.9	22.2	21.7	24.6	19.0
	pH (pH units)	52	52	100%	8.60	4.10	5.10	5.27	5.21	5.58	4.70
PFAS Group	PFAS Compound** (ng/g)										
PFSAs	Perfluorooctanesulfonate (PFOS)	52	38	73%	2.0	--	0.39	0.46	0.40	0.56	--
PFCAs	Perfluoropentanoic acid (PFPeA)	52	12	23%	0.37	--	--	--	--	--	--
	Perfluorohexanoic acid (PFHxA)	52	17	33%	1.3	--	--	--	--	--	--
	Perfluoroheptanoic acid (PFHpA)	52	36	69%	1.7	--	0.30	0.41	0.37	0.52	--
	Perfluorooctanoic acid (PFOA)	52	52	100%	13	0.48	3.9	4.7	3.8	5.9	3.0
	Perfluorononanoic acid (PFNA)	52	4	8%	0.31	--	--	--	--	--	--
	Perfluorodecanoic acid (PFDA)	52	2	4%	0.29	--	--	--	--	--	--
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	52	1	2%	0.32	--	--	--	--	--	--
Sub-Surface Soil Samples (1-2 feet)*											
	Parameter	# of Samples	# of Detections	Detection Frequency	Maximum	Minimum	Median	Arithmetic Mean	Geometric Mean	75 th Percentile	25 th Percentile
	Carbon, total organic (mg/kg)	52	52	100%	66,000	--	6,100	8,067	5,898	9,725	3,500
	Moisture (% by weight)	52	52	100%	30.0	5.4	15.5	15.7	15.0	17.8	13.0
	pH (pH units)	52	52	100%	7.10	4.30	5.10	5.33	5.28	5.70	4.80
PFAS Group	PFAS Compound** (ng/g)										
PFSAs	Perfluorooctanesulfonate (PFOS)	52	10	19%	0.8	--	--	--	--	--	--
	Perfluorobutanoic acid (PFBA)	52	1	2%	0.94	--	--	--	--	--	--
PFCAs	Perfluoropentanoic acid (PFPeA)	52	1	2%	0.28	--	--	--	--	--	--
	Perfluorohexanoic acid (PFHxA)	52	9	17%	0.7	--	--	--	--	--	--
	Perfluoroheptanoic acid (PFHpA)	52	20	38%	1	--	--	--	--	--	--
	Perfluorooctanoic acid (PFOA)	52	52	100%	12	0.31	2.9	3.6	2.7	5.2	1.9
FASAAs	N-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)	52	1	2%	1	--	--	--	--	--	--
	N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	52	1	2%	1.2	--	--	--	--	--	--

Notes:

mg/kg - milligram per kilogram.

ng/g - nanogram per gram.

PFAS (perfluoroalkane sulfonic acids) values are given in parts per billion (ppb) (ng/g).

Maximum: Highest detected concentration.

Mean, median, and 75th percentile calculated if detection frequency was $\geq 50\%$ and at least 5 detections.

Summary statistics with non-detects were calculated using Kaplan-Meier estimation method (See Appendix B for further discussion of statistical methods)

25th percentile calculated if at least 75% of samples were measured above detection limits.

Minimum calculated only if all samples were measured above detection limits.

* Results from locations 01D and 10B were deemed not representative and have been excluded.

**PFAS with zero detections for the given sample interval are excluded.

FASAAs - perfluoroalkane sulfonamide acetic acids

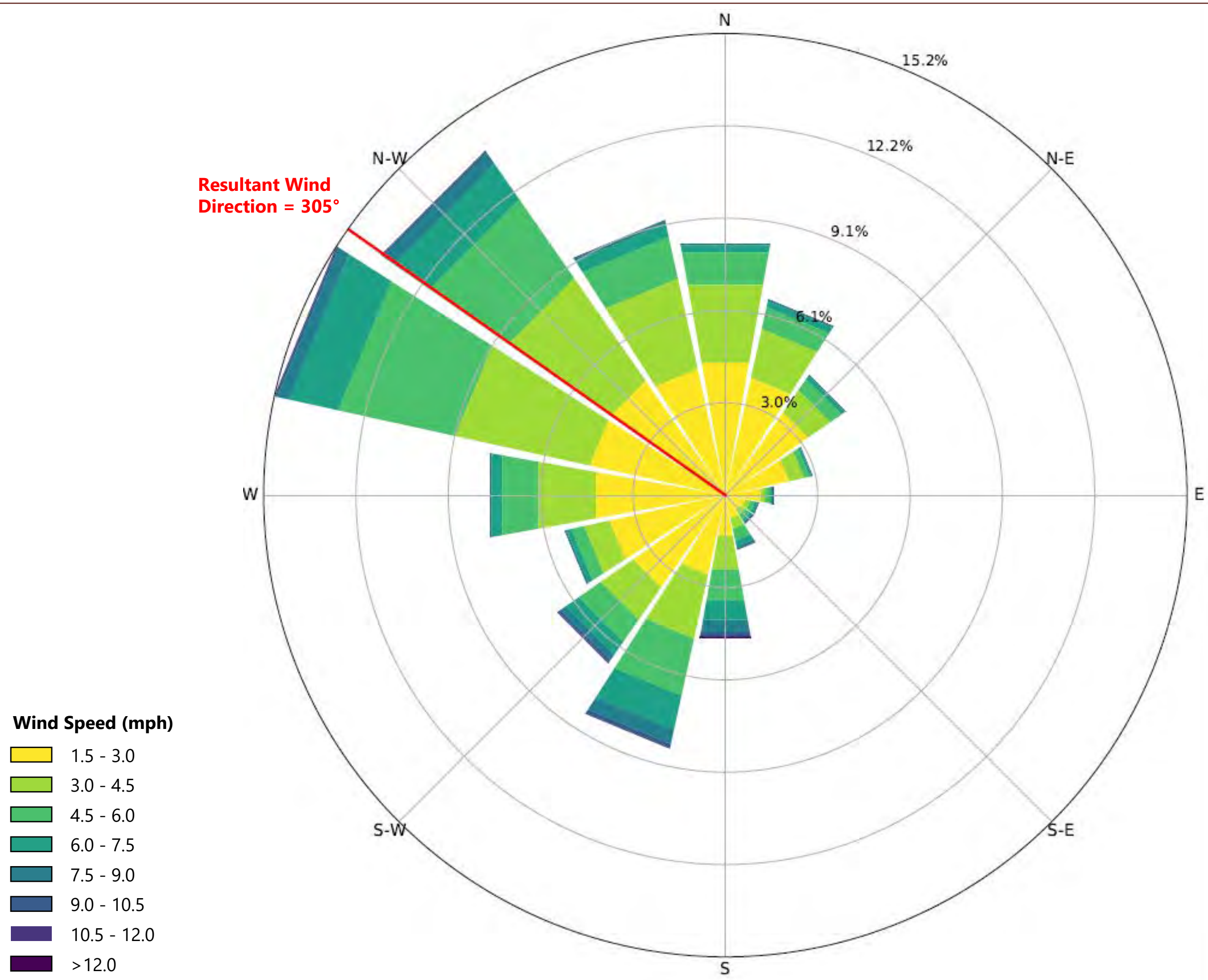
PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

Appendix A

Wind Roses: McCaffrey Street Weather Station



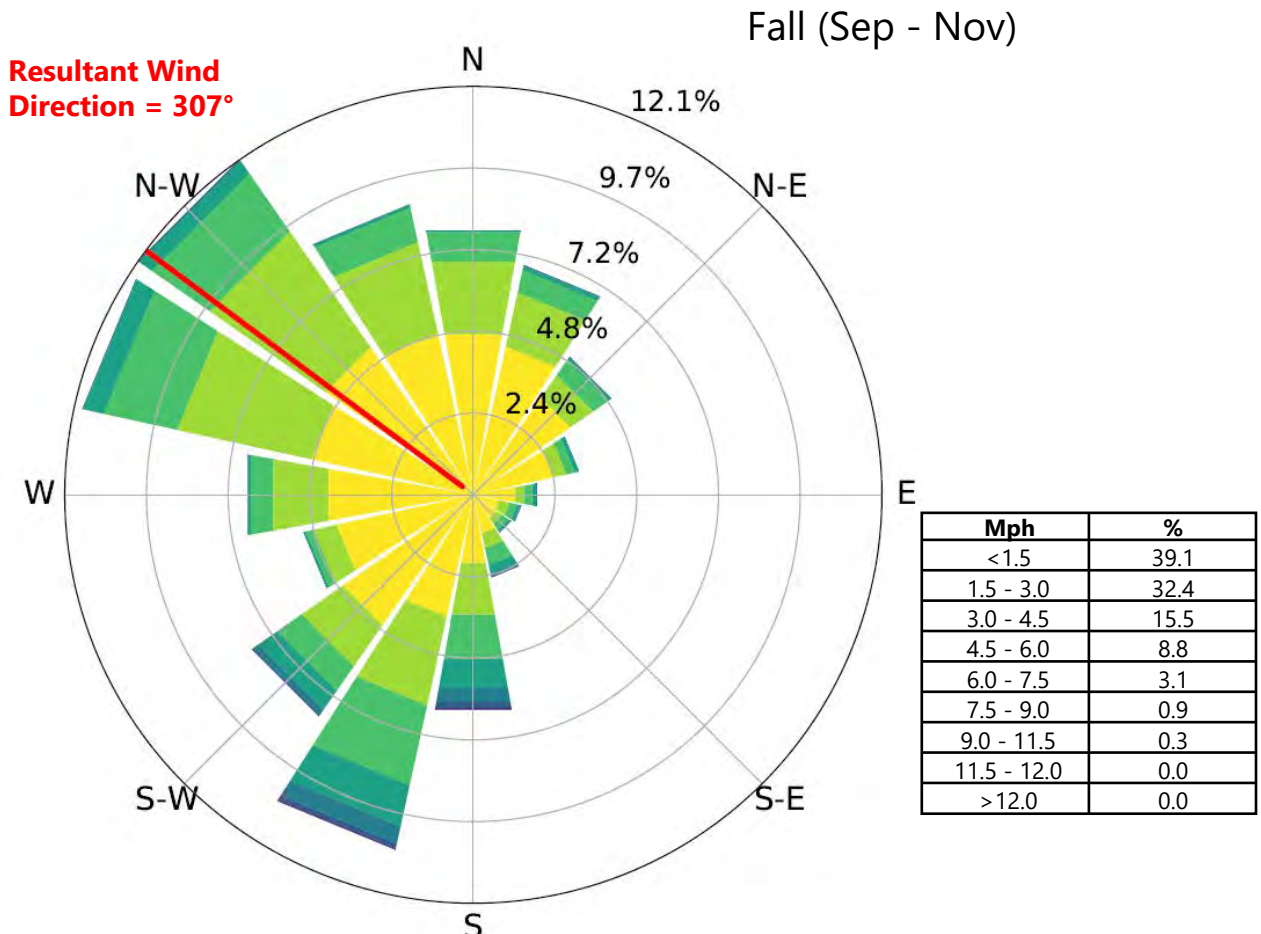
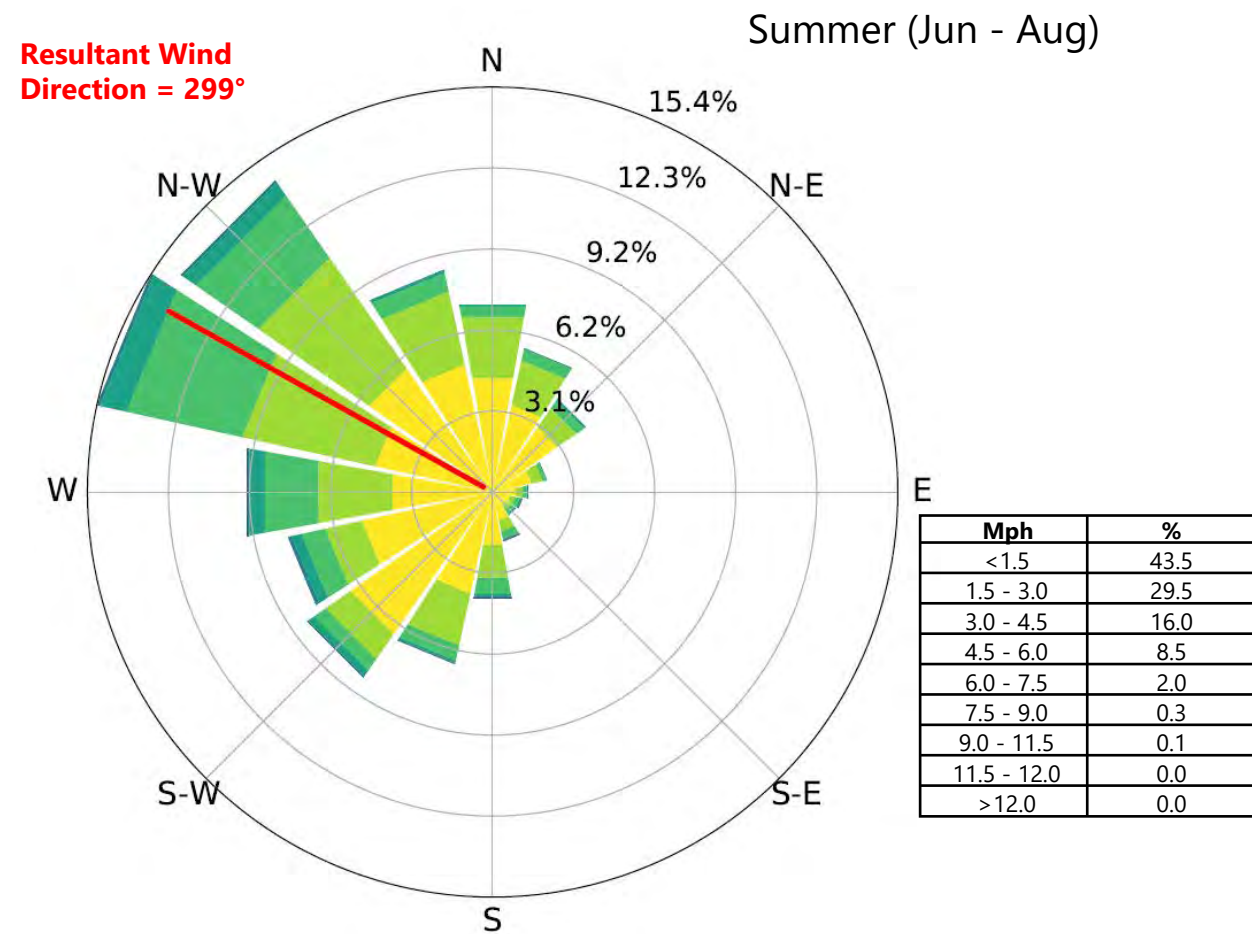
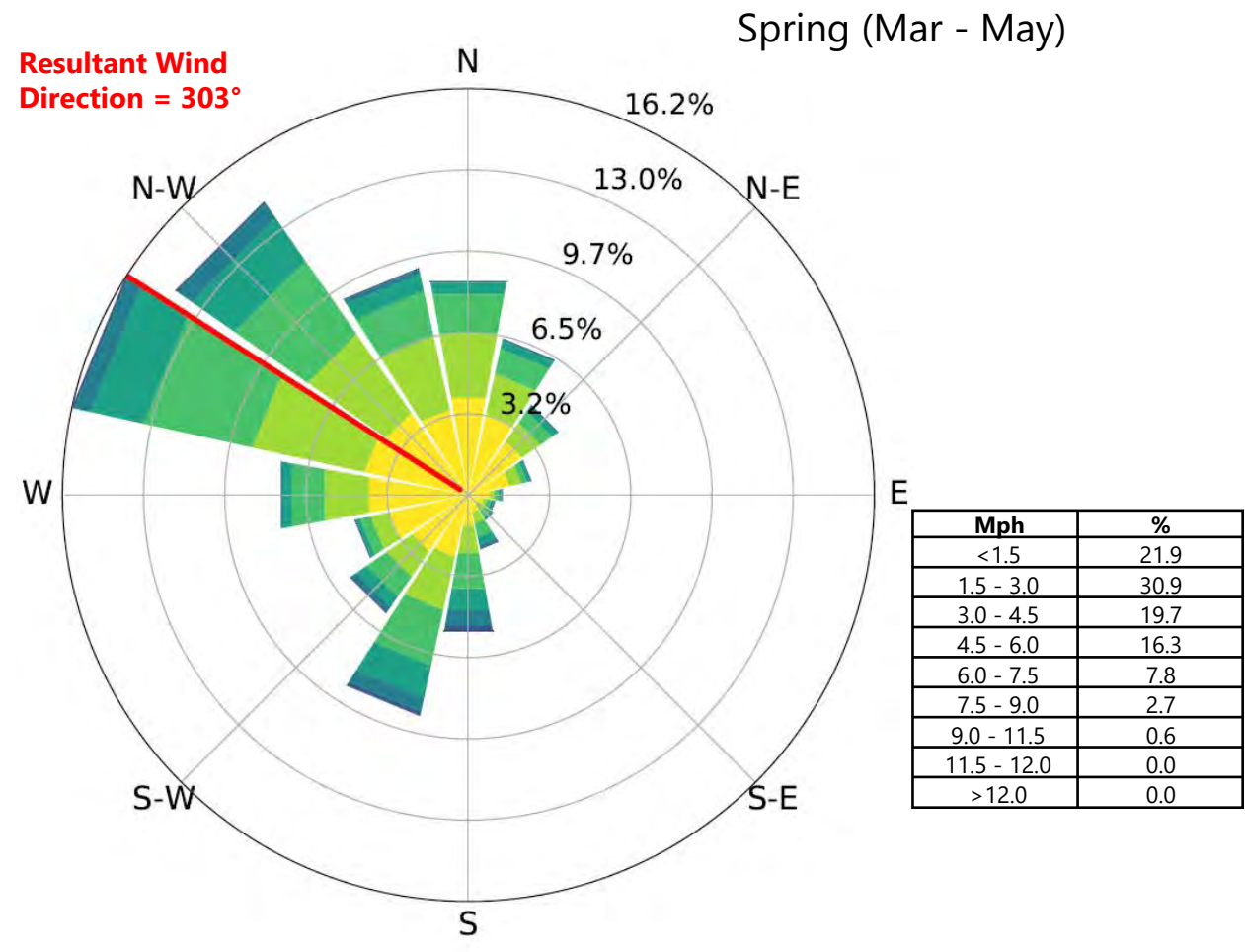
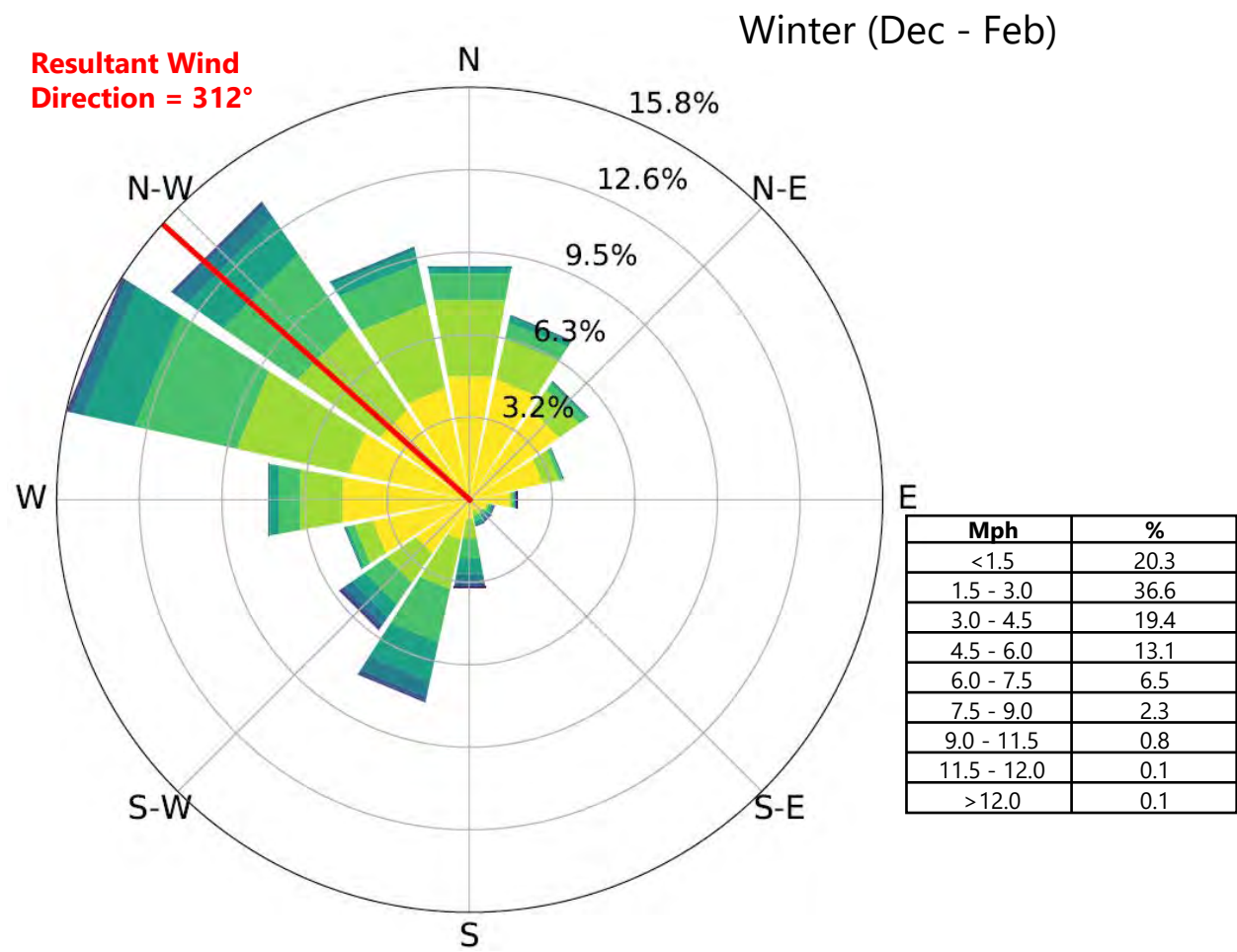
Mph	%
<1.5	29.6
1.5 - 3.0	32.5
3.0 - 4.5	18.0
4.5 - 6.0	12.2
6.0 - 7.5	5.2
7.5 - 9.0	1.7
9.0 - 11.5	0.5
11.5 - 12.0	0.0
>12.0	0.0

Figure A1
McCaffrey Street Station
Wind Rose (12/24/18 - 05/31/22)

Supplemental Scope
Data Summary Report
Hoosick Falls, NY

BEC
Engineering and
Geology, P.C.

BEC Footer: AI 2021-03-12 File: \\harr.com\projects\BEC\32 NY\42132421003 SGPP Hoosick Falls\WorkFiles\0 AREA-WIDE\06 SOILS\Soil deposition\Report\Appendix A_Weather Station Info\Map A1 Wind Roses\Figure A2 - McCaffery Street Station Seasonal Wind Roses_20210312.pdf User: aks3



Wind Speed (mph)

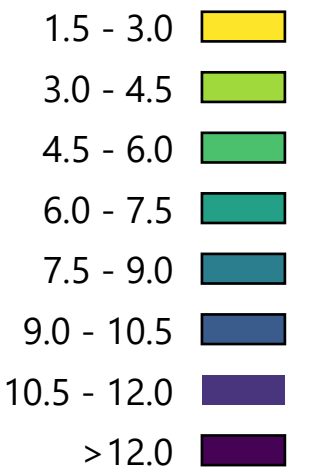


Figure A2
McCaffery Street Station
Seasonal Wind Roses
(12/24/18 - 05/31/22)
Supplemental Scope
Data Study Report
Hoosick Falls, NY

Appendix B

Initial Phase Sampling Information

Table B1: Initial Phase Sample Location Summary
Supplemental Scope Data Summary Report
Village of Hoosick Falls, New York

Sample Location	Sampling Date	Elevation (ft AMSL)	Longitude	Latitude	Topography	Location on Slope	Village Facing?	Tree Cover	Tree Type	Field Observations / Comments
01A	10/30/19	470.09	-73.355226	42.923266	Flat	Top of Slope	No	50%	Both ¹	Large quantity of small brush vegetation (ferns).
01B	10/30/19	479.54	-73.352449	42.922609	Flat	Top of Slope	No	75%	Deciduous	No notable features.
01C	10/18/19	485.03	-73.34564138	42.9224507	Flat	N/A	N/A	75%	Both ¹	Old, rotting, fallen trees nearby. Small, open field adjacent to sample area.
01D	10/18/19	477.51	-73.34490038	42.9254597	Flat	Top of Slope	No	90%	Deciduous	Side of Frazier Lane. Top of Slope, with debris present down the slope. Wrapper found at depth of 6 inches.
02A	10/18/19	487.67	-73.34444938	42.9220037	Flat	N/A	N/A	100%	Deciduous	Sample area inside of a small clearing, surrounded by 20-30 young trees.
02B	1/23/20	512.78	-73.34175263	42.9211843	Flat	N/A	No	75%	Deciduous	Easily accessible, flat terrain.
02C	1/23/20	524.95	-73.33856284	42.92014474	Slope	Mid-slope	No	95%	Both ¹	Agricultural fields at top of slope; heavily sloped areas, very steep.
02D	1/23/20	592.98	-73.33557563	42.9188283	Slope	Mid-slope	No	75%	Coniferous	Agricultural fields at top of slope; heavily sloped areas, very steep.
03A	1/22/20	462.87	-73.33198063	42.9185533	Slope	Mid-slope	No	75%	Both ¹	Refusal at 1.2 feet on tree root at marked sampling location; offset to reach desired depth of 2 feet.
03B	6/19/20	674.08	-73.32910275	42.91633047	Slope	Mid-slope	No	60%	Deciduous	Snowmobile/ATV trail approximately 1000 feet away.
03C	6/19/20	746.82	-73.32771063	42.9147393	Slope	Mid-slope	No	65%	Both ¹	Snowmobile/ATV trail approximately 100 feet away.
04B	6/18/20	805.24	-73.32914063	42.9052593	Slope	Mid-slope	Yes	40%	Deciduous	Loose root mat in top 0.5 inch of soil. Frequent bedrock outcrops in vicinity. Refusal at 17 inches on bedrock after multiple (±5) attempts.
04C	10/30/19	658.97	-73.333306	42.906251	Slope	Mid-slope	No	50%	Deciduous	Downslope from grazing area (cows).
4D	4/23/20	709.05	-73.33086	42.90443	Slope	Mid-slope	Yes	65%	Deciduous	Agricultural fields at bottom of slope.
05A	8/6/20	761.31	-73.32875663	42.9010003	Slope	Mid-slope	No	60%	Deciduous	Up slope from a logging road; rock outcrops in area.
05B	8/6/20	783.53	-73.33090063	42.9001223	Slope	Mid-slope	Yes	50%	Deciduous	Numerous blown-down trees in area; rock outcrops in area.
05C	8/6/20	854.00	-73.32899763	42.8995093	Slope	Top of Slope	Partially	60%	Deciduous	Rock outcrops in area.
05E	8/6/20	803.02	-73.32689463	42.9001523	Slope	Mid-slope	Yes	70%	Deciduous	Numerous rock outcrops in area, opening in tree canopy nearby.
05F	6/18/20	827.71	-73.32876963	42.9039483	Slope	Top of Slope	Yes	50%	Deciduous	Top of moderate slope. Light tree cover. Approximately 75 feet from a field.
06A	10/23/19	784.17	-73.33305316	42.89541701	Slope	Mid-slope	Yes	30%	Both ¹	Village facing, very little tree cover. Frequent fractured boulders. Inside "S" of dirt road winding up the hill.
06B	1/22/20	793.76	-73.32969063	42.8942103	Flat	N/A	No	90%	Both ¹	Very moist soil, location on elevated berm in marsh area. Groundwater not observed in hand auger bore hole.
06C	10/23/19	792.3	-73.32661816	42.89058201	Slope	Top of Slope	Partially	50%	Deciduous	Tree cover opens up to the east. Near stone wall as property line marker.
06D	10/23/19	724.68	-73.33158315	42.89176002	Slope	Top of Slope	Partially	80%	Both ¹	Leaf litter had strange rotting odor.
06E	10/9/19	718.53	-73.32839437	42.8908347	Slope	Mid-slope	Partially	50%	Both ¹	Sample area was next to a large fallen tree with uprooted soil.
06F	11/26/19	730.01	-73.32805963	42.8930973	Slope	Mid-slope	No	75%	Both ¹	Immobile and partially demolished car located approximately 200-300 feet away. Terminated at 22 inches due to presence of saturated soils, possible perched groundwater.
07A	10/9/19	665.26	-73.33064237	42.8898567	Flat	Top of Slope	Yes	60%	Deciduous	Approximately 20 feet off of an ATV path, some fallen pines nearby.
07B	10/9/19	633.34	-73.33223837	42.8886897	Slope	Mid-slope	Yes	80%	Deciduous	About halfway down a slope from an ATV trail, stream at bottom of the slope.
07C	10/10/19	581.61	-73.33769937	42.88614969	Flat	Top of Slope	Yes	90%	Coniferous	Heavy tree cover. Thin vetted area with no noticeable difference in environment outside area.
08A	10/23/19	573.35	-73.33906816	42.88609201	Slope	Top of Slope	Yes	40%	Both ¹	Old 1950s car in the stream bed downgradient of the sample location. Thin vetted area with no noticeable difference in environment outside area.
08B	10/10/19	544.21	-73.34379437	42.8860917	Flat	N/A	N/A	70%	Deciduous	Approximately 20 feet off of a walking path that bisects vetted area (lengthwise). Large quantity of hunting tree stands nearby. Steep slope approximately 25 feet to the south.
08C	8/6/20	530.42	-73.34498263	42.88249331	Flat	N/A	No	95%	Deciduous	Heavy tree cover; narrow vetted area; equestrian area nearby.
09A	8/6/20	472.74	-73.35025163	42.88066731	Flat	Top of Slope	Yes	85%	Deciduous	Narrow vetted area; equestrian area nearby.
09B	8/6/20	502.62	-73.34806563	42.88052431	Flat	N/A	Yes	90%	Deciduous	Heavy tree cover; narrow vetted area; equestrian area nearby.
10A	10/18/19	514.99	-73.36372838	42.88088369	Flat	N/A	N/A	100%	Deciduous	Small vetted area. Moved upgradient from depressed area. Small runoff stream occasionally flows nearby. Large quantity of fallen leaves on ground. Property owner mentioned surrounding land used to be an orchard.
10B	10/30/19	445.76	-73.35875162	42.88213431	Slope	Mid-slope	No	50%	Deciduous	Possible fill placed during development of housing complex. Added location 10E.
10C	1/22/20	616.87	-73.36590262	42.88239231	Slope	Top of Slope	Partially	80%	Deciduous	Frequent bedrock outcrops in vicinity. Refusal at 18 inches on bedrock after multiple (±5) attempts.
10D	10/24/19	561.73	-73.36615516	42.88402801	Slope	Mid-slope	Yes	30%	Deciduous	Located halfway up a steep hill. Large quantity of boulders and bedrock outcrops, rocky terrain.
10E	10/30/19	441.08	-73.35880962	42.88205931	Slope	Toe of Slope	No	50%	Deciduous	Possible flood plain of small stream. Mottling in soil at 1 to 2 feet.
11A	10/24/19	765.53	-73.37073415	42.88350301	Slope	Top of Slope	Partially	100%	Coniferous	Overhead was completely covered by dense pine tree canopy cover. Location was next to a steep ridge into a stream. ATV trails approximately 200-300 feet away.
11B	10/24/19	619.02	-73.36898515	42.88447901	Slope	Mid-slope	Yes	80%	Both ¹	Located at top of steep bank next to a stream and small waterfall.
11C	11/12/19	759.67	-73.37387162	42.88640031	Slope	Mid-slope	Yes	50%	Deciduous	Located halfway up steep hill, upgradient of a small stream that bisects vetted area. Grass fields (cow pasture to the north) on either side of the wooded area.
11D	11/12/19	649.53	-73.36911462	42.88654131	Slope	Mid-slope	No	50%	Deciduous	Approximately 200-300 feet down slope from ATV trail.
11E	11/12/19	719.17	-73.37149862	42.88583531	Slope	Mid-slope	Partially	40%	Deciduous	Approximately 200-300 feet down slope from ATV trail.
12A	11/13/19	595.98	-73.37084062	42.8929663	Slope	Toe of Slope	No	40%	Both ¹	Located on semi-flat area near the bottom of a slope. Stream is at the bottom of the slope.
12B	10/10/19	881.87	-73.37645238	42.8927087	Flat	Top of Slope	Partially	25%	Deciduous	Located in small opening in wood area, some waist high flowers and vegetation.
12C	11/13/19	666.32	-73.37207462	42.8938823	Slope	Mid-slope	No	60%	Both ¹	Steep slope. Gravel trail in vicinity.
12D	11/13/19	694.31	-73.37592958	42.8954543	Slope	Mid-slope	No	75%	Deciduous	Halfway up a steep slope. Agricultural field at the top of the slope. Stream is at the bottom of the slope.
13A	11/13/19	774.72	-73.37728971	42.89875199	Slope	Mid-slope	No	60%	Both ¹	Approximately 200-300 feet from an ATV trail; mostly larger, older trees.
13D	10/9/19	990.30	-73.37972339	42.9047567	Slope	Mid-slope	No	85%	Deciduous	Located at the top of a ridge, frequent boulders and bedrock outcrops. Refusal at 20 inches on bedrock after multiple (5) attempts.
14A	10/9/19	845.03	-73.37960739	42.9058537	Slope	Mid-slope	No	85%	Deciduous	Down slope/gradient from 13D. Occasional boulders and bedrock outcrops. Located on mound with depressions in area.
14C	4/23/20	893.38	-73.38087	42.90574	Slope	Mid-slope	No	80%	Deciduous	Tightly woven root mat in top 1 inch of soil. Bedrock outcrops at surface in area of sample.
15A	6/18/20	721.08	-73.36752562	42.9156843	Slope	Mid-slope	Yes	75%	Deciduous	Very dry and loose soil. Possible overgrown path/logging road up the slope. Logged clearing with aged stumps to the north.
15C	6/18/20	745.45	-73.36749462	42.9176463	Slope	Mid-slope	No	80%	Deciduous	Very dry and loose soil. Dense undergrowth in portions of vetted area.
15D	11/26/19	759.44	-73.36720162	42.9203263	Slope	Top of Slope	Yes	50%	Deciduous	Located at the top of a ridge, frequent boulders and bedrock outcrops. Large quantity of cut down trees and stumps (still in the ground) nearby. Sample location moved in the field, actual location is within the Sector 16 boundary.
15G	4/23/20	639.29	-73.36967	42.91262	Slope	Mid-slope	No	50%	Deciduous	Approximately 200 feet up slope from road. Approximately 100 yards from property residence.
16A	11/26/19	679.39	-73.36600562	42.9189943	Slope	Mid-slope	Yes	50%	Deciduous	Diagonally down slope/gradient from 15D. Trace tree stumps nearby (still in the ground).
16D	10/30/19	424.32	-73.358404	42.921363	Flat	N/A	N/A	75%	Deciduous	Located on a flat area with gentle slope starting approximately 20 feet to the northwest and wetland downgradient. Reached the target depth of 2 inches after encountering multiple refusals on gravel/cobbles.

Notes:
1 Both indicates the presence of deciduous and coniferous tree types

*NYSDEC currently pursuing access to this location

ft AMSL = feet above mean sea level

N/A = not applicable

-- = no data

ATV = all-terrain vehicle

Table B2: Description of Soil Samples (Initial Phase)
Regional Air Deposition Study
Village of Hoosick Falls, New York

Sample Location	Sample Depth (feet)	Soil Description*	Soil Type
01A	0.0-0.17	Dark Brown SILT, little organics, trace fine to coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, little brown clay, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, trace light brown clay, trace fine to coarse angular gravel. No odor, no staining.	Silt
01B	0.0-0.17	Dark Brown SILT, little clay, little organics. No odor, no staining.	Silt
	0.17-1.0	Brown SILT and CLAY, trace organics. No odor, no staining.	Silt Clay
	1.0-2.0	Brown CLAY, some light brown Silt. No odor, no staining.	Clay
01C	0.0-0.17	Brown SILT and ORGANICS, trace clay.	Silt Organics
	0.17-1.0	Light Brown SILT and CLAY, trace fine to coarse gravel, trace organics.	Silt Clay
	1.0-2.0	Light Brown SILT and CLAY, trace fine to coarse gravel.	Silt Clay
01D	0.0-0.17	Dark Brown SILT and CLAY, little organics, trace semi-angular gravel.	Silt Clay
	0.17-1.0	Dark Brown SILT, some angular fine to coarse Gravel, little organics and clay, trace trash (food wrapper).	Silt
	1.0-1.6	Dark Brown SILT, some angular fine to coarse Gravel, little clay, trace organics. Refusal at 20" on possible cobbles.	Silt
02A	0.0-0.17	Dark SILT, some Organics, trace clay.	Silt
	0.17-1.0	Light Brown CLAY, little brown silt, trace organics.	Clay
	1.0-2.0	Light Brown CLAY, little brown silt.	Clay
02B	0.0-0.17	Dark Brown SILT, trace fine to coarse sub-angular gravel, trace organics. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, some light brown Clay, trace organics, trace fine to coarse sub-angular gravel. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, some light brown Clay, little fine to coarse subangular gravel, trace organics. No odor, no staining.	Silt
02C	0.0-0.17	Light Brown SILT, trace fine to coarse sub-angular gravel, trace organics. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, some light brown Clay, little fine to coarse subangular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, some light brown Clay, trace fine to coarse subangular gravel, trace organics. No odor, no staining.	Silt
02D	0.0-0.17	Brown SILT, little organics. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, trace brown clay, trace fine to coarse angular gravel. No odor, no staining.	Silt
03A	0.0-0.17	Dark Brown SILT, little brown clay, little organics. No odor, no staining	Silt
	0.17-1.0	Light Brown SILT, some brown Clay, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown CLAY, some light brown Silt, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Clay
03B	0.0-0.17	Dark Brown SILT and ORGANICS, trace dark brown clay. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, little fine sub-angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, little fine to coarse angular gravel, trace light brown fine to coarse sand, trace organics. No odor, no staining.	Silt
03C	0.0-0.17	Dark Brown SILT and ORGANICS, trace fine to coarse sub-angular gravel. No odor, no staining	Silt
	0.17-1.0	Light Brown SILT, little fine to coarse sub-angular gravel, trace light brown fine to coarse sand. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, little fine to coarse sub-angular gravel, trace light brown fine to coarse sand. Pine sap odor, no staining.	Silt
04B	0.0-0.17	0.0-0.5: ORGANICS (root mat), trace silt; 0.5-2.0: Dark Brown SILT and ORGANICS. No odor, no staining.	Organics
	0.17-1.0	Brown SILT, little fine sub-angular gravel, trace organics. No odor, no staining.	Silt
	1.0-1.42	Light Brown SILT, little fine to coarse angular gravel, trace organics, trace light brown clay. No odor, no staining.	Silt
04C	0.0-0.17	Dark Brown SILT, little organics, trace dark brown clay, trace fine to coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, little brown clay, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown CLAY and SILT, some fine to coarse angular Gravel. No odor, no staining.	Silt Clay
04D	0.0-0.17	Dark Brown SILT, little organics, trace coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, trace organics, trace clay, trace fine to coarse angular gravel. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, some light brown Clay, trace organics, trace fine to coarse sub-angular gravel. Moist. No odor, no staining.	Silt
05A	0.0-0.17	Dark Brown SILT and ORGANICS, trace coarse sub-angular gravel. No odor, no staining.	Silt - Organics
	0.17-1.0	Brown SILT, little fine to coarse sub-angular gravel, little organics, trace brown clay. No odor, no staining.	Silt
	1.0-1.83	Light Brown SILT, some fine to coarse angular Gravel, trace organics, trace brown clay, trace brown coarse sand. No odor, no staining.	Silt
05B	0.0-0.17	Dark Brown SILT and ORGANICS, trace coarse angular gravel, trace brown clay. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, some Organics, little fine to coarse sub-angular gravel, trace clay. No odor, no staining.	Silt
	1.0-1.2	Light Brown SILT, little fine to coarse sub-angular gravel, trace organics, trace clay. No odor, no staining.	Silt
05C	0.0-0.17	Dark Brown SILT and ORGANICS, trace fine angular gravel. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, some fine to coarse angular Gravel, trace organics, trace clay. No odor, no staining.	Silt
	1.0-1.6	Brown and Gray SILT and coarse angular GRAVEL, trace organics. No odor, no staining.	Silt
05E	0.0-0.17	Dark Brown SILT, some Organics, trace fine angular gravel. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, little fine to coarse angular gravel, little organics, trace clay. No odor, no staining.	Silt
	1.0-1.33	Light Brown SILT, trace brown clay, trace fine to coarse angular gravel, trace brown coarse sand. No odor, no staining.	Silt
05F	0.0-0.17	Dark Brown SILT, little organics, trace brown clay, loose. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, trace coarse sub-angular gravel, trace organics, trace brown clay. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, trace coarse sub-rounded gravel, trace organics, trace brown clay. No odor, no staining.	Silt
06A	0.0-0.17	Dark Brown ORGANICS and SILT, trace clay, trace fine to coarse angular gravel. No odor, no staining.	Silt Organics
	0.17-1.0	Brown SILT and CLAY, some fine to coarse angular Gravel, trace organics. No odor, no staining.	Silt Clay
	1.0-2.0	Light Brown CLAY, little light brown silt, little fine to coarse angular gravel, trace organics. No odor, no staining.	Clay

Table B2: Description of Soil Samples (Initial Phase)
Regional Air Deposition Study
Village of Hoosick Falls, New York

Sample Location	Sample Depth (feet)	Soil Description*	Soil Type
06B	0.0-0.17	Brown CLAY, little brown silt, trace organics. No odor, no staining.	Clay
	0.17-1.0	Light Brown CLAY, little fine angular gravel, trace organics. No odor, no staining.	Clay
	1.0-2.0	Mottled Brown and Orange CLAY, trace silt, trace angular fine gravel. Moist. No odor, no staining.	Clay
06C	0.0-0.17	Dark Brown SILT, some Organics, trace coarse to fine angular gravel, trace dark brown clay.	Silt
	0.17-1.0	Brown SILT and CLAY, trace organics, trace fine to coarse angular gravel. No odor, no staining.	Silt Clay
	1.0-2.0	Light Brown CLAY, some light brown Silt, trace fine to coarse angular gravel. No odor, no staining.	Clay
06D	0.0-0.17	Dark Brown SILT, some Organics, trace coarse to fine angular gravel, trace clay. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT and CLAY, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt Clay
	1.0-2.0	Light Brown SILT, some light brown Clay, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
06E	0.0-0.17	Dark Brown SILT, some Organics, little brown clay.	Silt
	0.17-1.0	Light Brown SILT, some brown Clay, trace angular fine gravel.	Silt
	1.0-2.0	Light Brown SILT, some brown Clay, little angular fine to coarse gravel.	Silt
06F	0.0-0.17	Dark Brown SILT, little organics, trace clay. No odor, no staining.	Silt
	0.17-1.0	Light Brown CLAY, little fine to coarse angular gravel, trace light brown silt. No odor, no staining.	Clay
	1.0-1.83	Light Brown CLAY, little fine to coarse angular gravel, trace light brown silt. No odor, no staining. No mottling present.	Clay
07A	0.0-0.17	ORGANICS, some brown Silt, trace brown clay, occasional cobbles.	Organics
	0.17-1.0	Brown SILT, some brown Clay, trace subrounded coarse gravel, trace organics.	Silt
	1.0-2.0	Light Brown SILT, little light brown clay, little angular coarse gravel, trace fine gravel, trace organics.	Silt
07B	0.0-0.17	Brown SILT, little brown clay, trace fine sand, trace organics in the top inch of soil.	Silt
	0.17-1.0	Brown SILT, little brown clay, trace brown fine sand, trace organics, trace angular coarse gravel.	Silt
	1.0-2.0	Brown SILT, some angular fine to coarse Gravel, trace organics, trace fine brown sand.	Silt
07C	0.0-0.17	Dark Brown SILT, some brown Clay, some Organics.	Silt
	0.17-1.0	Brown SILT, some brown Clay, trace organics.	Silt
	1.0-2.0	Light Brown SILT, little brown clay, little angular fine to coarse gravel.	Silt
08A	0.0-0.17	Dark Brown SILT and ORGANICS, trace clay. No odor, no staining.	Silt Organics
	0.17-1.0	Brown SILT and CLAY, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt Clay
	1.0-2.0	Light Brown SILT, some Clay, little fine to coarse angular gravel. No odor, no staining.	Silt
08B	0.0-0.17	Dark Brown SILT, little clay, little organics, trace angular coarse gravel.	Silt
	0.17-1.0	Light Brown SILT, some angular fine to coarse Gravel, little brown clay, trace organics.	Silt
	1.0-2.0	Light Brown SILT, some brown Clay, little angular coarse gravel, trace organics.	Silt
08C	0.0-0.17	Dark Brown SILT, some Organics, trace dark brown clay. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, little brown clay, little coarse sub-angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, little coarse sub-angular gravel, trace brown clay, trace organics. No odor, no staining.	Silt
09A	0.0-0.17	Dark Brown SILT, some Organics, trace fine sub-angular gravel. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, little organics, trace fine sub-angular gravel, trace brown clay. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, little fine to coarse sub-angular gravel, trace organics, trace brown clay. No odor, no staining.	Silt
09B	0.0-0.17	Dark Brown SILT, some Organics, trace brown clay. No odor, no staining.	Silt
	0.17-1.0	Dark Brown SILT, some Organics, trace brown clay, trace fine angular gravel. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, little fine to coarse sub-angular gravel, trace clay, trace organics. No odor, no staining.	Silt
10A	0.0-0.17	Dark Brown SILT and CLAY, little organics.	Silt Clay
	0.17-1.0	Brown SILT and CLAY, little angular fine to coarse gravel, trace organics.	Silt Clay
	1.0-2.0	Brown SILT and CLAY, little angular fine to coarse gravel, little organics.	Silt Clay
10B	0.0-0.17	Fill: Dark Brown SILT and fine to coarse SAND, some fine to coarse sub-angular Gravel, trace organics. No odor, no staining.	Silt Sand
	0.17-1.0	Fill: Dark Brown SILT, little organics, little fine to coarse sub-angular gravel, trace fine sand. No odor, no staining.	Silt
	1.0-2.0	Fill: Dark Brown SILT, little fine to coarse sub-angular gravel, trace fine sand. No odor, no staining.	Silt
10C	0.0-0.17	Dark Brown SILT, trace dark brown clay, trace fine to coarse subrounded gravel, trace organics. No odor, no staining.	Silt
	0.17-1.0	Dark Brown SILT, little organics, trace fine to coarse angular-gravel, trace brown clay. No odor, no staining.	Silt
	1.0-1.5	Brown SILT, little fine to coarse angular gravel, trace organics, trace brown clay. No odor, no staining. Refusal on possible bedrock. Multiple offset attempts.	Silt
10D	0.0-0.17	Dark Brown SILT, little organics, trace fine to coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, some light brown Clay, trace organics, trace fine to coarse angular gravel. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, some light brown Clay, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
10E	0.0-0.17	Dark Brown SILT, little organics, trace fine to coarse angular gravel, trace clay. No odor, no staining.	Silt
	0.17-1.0	Dark Brown SILT, little fine to coarse angular gravel, trace organics, trace clay. No odor, no staining.	Silt
	1.0-2.0	Grey and Light Brown mottle CLAY, some light grey Silt, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Clay

Table B2: Description of Soil Samples (Initial Phase)
Regional Air Deposition Study
Village of Hoosick Falls, New York

Sample Location	Sample Depth (feet)	Soil Description*	Soil Type
11A	0.0-0.17	Dark Brown SILT, some Organics, trace fine to coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Brown SILT and CLAY, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt Clay
	1.0-2.0	Light Brown SILT, some brown Clay, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
11B	0.0-0.17	Dark Brown SILT, some Organics, trace fine to coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, little brown clay, little organics, little fine to coarse angular gravel. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, little brown clay, little fine to coarse angular gravel. No odor, no staining.	Silt
11C	0.0-0.17	Dark Brown SILT, little dark brown clay, little organics. No odor, no staining.	Silt
	0.17-1.0	Brown SILT, little brown clay, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Brown SILT, some brown Clay, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
11D	0.0-0.17	Dark Brown SILT, some Organics, little brown clay, trace coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, some light brown Clay, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT and CLAY, some fine to coarse angular Gravel. No odor, no staining.	Silt Clay
11E	0.0-0.17	Dark Brown SILT, some Organics, trace clay. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT and CLAY, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt Clay
	1.0-2.0	Light Brown CLAY, some light brown Silt, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Clay
12A	0.0-0.17	Dark Brown SILT, some Organics, trace dark brown clay, trace fine to coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT and CLAY, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt Clay
	1.0-2.0	Light brown SILT and CLAY, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt Clay
12B	0.0-0.17	Dark Brown SILT, little brown clay, little organics, trace angular coarse gravel.	Silt
	0.17-1.0	Little Brown SILT, little brown clay, little angular coarse gravel, trace organics.	Silt
	1.0-2.0	Light Brown SILT, little angular coarse gravel, trace light brown clay.	Silt
12C	0.0-0.17	Dark Brown SILT and ORGANICS, trace dark brown clay. No odor, no staining.	Silt Organics
	0.17-1.0	Light Brown SILT, some light brown Clay, trace fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, little fine to coarse angular gravel, little light brown clay. No odor, no staining.	Silt
12D	0.0-0.17	Dark Brown SILT, little fine to coarse angular gravel, little organics, trace clay. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT and CLAY, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt Clay
	1.0-2.0	Light Brown SILT, some light brown Clay, little fine to coarse angular gravel. No odor, no staining.	Silt
13A	0.0-0.17	Dark Brown SILT, some Organics, trace brown clay, trace fine to coarse angular gravel. No odor, no staining.	Silt
	0.17-1.0	Light Brown CLAY, little fine to coarse angular gravel, trace brown silt. No odor, no staining.	Clay
	1.0-2.0	Light Brown CLAY, some fine to coarse angular Gravel, trace brown silt. No odor, no staining.	Clay
13D	0.0-0.17	Dark Brown SILT, some Organics, little dark brown clay, trace angular fine gravel.	Silt
	0.17-1.0	Light Brown SILT, little light brown clay, trace angular fine to coarse gravel.	Silt
	1.0-1.6	Light Brown SILT, little light brown clay, trace angular fine to coarse gravel.	Silt
14A	0.0-0.17	Dark Brown SILT, some Organics, little brown clay.	Silt
	0.17-1.0	Brown SILT, little brown clay, trace brown fine sand, trace angular fine gravel.	Silt
	1.0-2.0	Light Brown SILT, little brown clay, trace brown fine sand, trace angular fine to coarse gravel.	Silt
14C	0.0-0.17	0-1": ORGANICS, little dark brown silt, trace brown fine sand (root mat); 1-2": Dark Brown SILT, little organics, trace brown fine to coarse sand, trace fine angular gravel. No odor, no staining.	Organics
	0.17-1.0	Light Brown CLAY, some light brown Silt, little organics, trace coarse sub-angular gravel. No odor, no staining.	Clay
	1.0-2.0	Light Brown CLAY, some light brown Silt, little fine to coarse sub-angular gravel, trace organics. No odor, no staining.	Clay
15A	0.0-0.17	Dark Brown SILT, some Organics, trace fine to coarse angular to sub-angular gravel, loose. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, little light brown fine sand, trace organics, trace fine to coarse angular gravel, loose. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, some light brown fine Sand, little fine to coarse sub-angular gravel, trace organics. No odor, no staining.	Silt
15C	0.0-0.17	Dark Brown SILT, trace dark brown clay, trace coarse angular gravel, trace organics, loose. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, little light brown clay, little fine to coarse sub-angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT, little light brown clay, little fine to coarse sub-angular gravel, trace organics. No odor, no staining.	Silt
15D	0.0-0.17	Dark Brown SILT, little organics, trace fine to coarse angular gravel, trace coarse brown sand. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, some light brown Clay, little fine to coarse angular gravel, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT and CLAY, little fine to coarse angular gravel. No odor, no staining.	Silt Clay
15G	0.0-0.17	Brown SILT, some brown Clay, little organics, trace fine sub-angular gravel. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, some light brown Clay, trace organics, trace coarse sub-rounded gravel. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT and CLAY, trace fine to coarse sub-angular gravel, trace organics. No odor, no staining.	Silt
16A	0.0-0.17	Dark Brown SILT, little organics, trace fine to coarse angular gravel, trace coarse sand. No odor, no staining.	Silt
	0.17-1.0	Light Brown SILT, some light brown Clay, trace fine to coarse angular gravel, trace coarse sand, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT and CLAY, some fine to coarse Gravel. No odor, no staining.	Silt Clay
16D	0.0-0.17	Dark Brown SILT and ORGANICS, trace fine to coarse angular gravel. No odor, no staining.	Silt Organics
	0.17-1.0	Dark Brown SILT, little fine to coarse angular gravel, trace light brown clay, trace organics. No odor, no staining.	Silt
	1.0-2.0	Light Brown SILT and fine to coarse angular GRAVEL, trace clay, very moist. No odor, no staining.	Silt Gravel

Notes:

*= Modified Burmister Soil Descriptions

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location Soil Type Date Depth Sample Type									01A			01B			01C			01D**			02A		
									Silt	Silt	Silt	Silt	Silt Clay	Clay	Silt Organics	Silt Clay	Silt Clay	Silt Clay	Silt	Silt	Silt	Silt	Clay
									10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/30/2019	10/18/2019	10/18/2019	10/18/2019	10/18/2019	10/18/2019	10/18/2019	10/18/2019	10/18/2019	
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.6 ft	0 - 0.17 ft	0.17 - 1 ft	
									N	N	N	N	N	N	N	N	N	N	N	N	N	N	
			Guidance Values ¹																				
	Parameter	Units	Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial															
	Exceedance Key		Underline	Italic	Border	Shade	--	--															
	General Parameters																						
	Carbon, total organic	mg/kg	--		--	--	--	--	33800	7970	3020	65700	12400	1580	79800	13800	14700	37000	27000	13100	171000	15800	
	Moisture	%	--		--	--	--	--	25.1	17.3 J	16.1 J	37.1	23.1	19.6	42.4	23.2	24.0	24.2	12.7	14.4	57.4	32.4	
	pH	pH units	--		--	--	--	--	4.88	4.87	4.94	5.28	4.45	4.56	5.10	5.65	5.76	7.52	7.76	7.52	4.57	4.57	
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
PFAS Group	Per- and Polyfluoroalkyl Substances																						
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.77	0.50 J	< 0.23 U	0.79 J	0.48 J	< 0.23 U	0.95 J	0.34 J	< 0.26 U	0.32 J	0.53 J	0.55 J	2.5	< 0.27 U	
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.0 U	< 0.89 U	< 0.92 UJ	1.3 J	< 0.97 U	< 0.92 U	< 1.4 U	< 1.0 U	< 1.1 U	< 1.0 U	< 0.89 U	< 0.93 U	< 1.7 U	< 1.1 U	
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.22 U	< 0.23 UJ	0.33 J	0.34 J	< 0.23 U	< 0.35 U	< 0.25 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	< 0.43 U	0.31 J	
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.22 U	< 0.23 U	< 0.31 U	0.72 J	< 0.23 U	< 0.35 U	< 0.25 UJ	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	0.45 J	0.56 J	
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.25 U	0.23 J	0.27 J	0.34 J	0.61 J	< 0.23 U	< 0.35 U	0.25 J	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	0.55 J	0.87	
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	1.2	2.6	2.4 J	1.7	8.8	1.9	1.1	2.5	1.9	0.26 J	0.55 J	0.56 J	5.1	18	
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.22 U	< 0.23 U	0.33 J	< 0.24 U	< 0.23 U	< 0.35 U	< 0.25 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	0.63 J	< 0.27 U	
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.29 J	< 0.22 U	< 0.23 UJ	0.38 J	< 0.24 U	< 0.23 U	0.59 J	< 0.25 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	0.83 J	< 0.27 U	
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.35 J	< 0.22 U	< 0.23 U	0.42 J	< 0.24 U	< 0.23 U	0.49 J	< 0.25 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	0.89 J	< 0.27 U	
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.22 U	< 0.23 U	< 0.31 U	< 0.24 U	< 0.23 U	0.36 J	< 0.25 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	0.50 J	< 0.27 U	
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.22 U	< 0.23 U	< 0.31 U	< 0.24 U	< 0.23 U	< 0.35 U	< 0.25 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	< 0.43 U	< 0.27 U	
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.22 U	< 0.23 U	< 0.31 U	< 0.24 U	< 0.23 U	< 0.35 U	< 0.25 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	< 0.43 U	< 0.27 U	
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.25 U	< 0.22 U	< 0.23 U	< 0.31 U	< 0.24 U	< 0.23 U	< 0.35 U	< 0.25 U	< 0.26 U	< 0.25 U	< 0.22 U	< 0.23 U	< 0.43 U	< 0.27 U	

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

FD - Sample type: Field Duplicate

mg/kg - milligram per kilogram

ng/g - nanogram per gram

J - Estimated detected value. The reported value is less than the stated laboratory quantitation limit but greater than the laboratory method detection limit.

R - The data are unusable. The samples results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

U - The analyte was analyzed for, but was not detected.

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

FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location									
Soil Type									
Date									
Depth									
Sample Type									
Clay									
10/18/2019									
1 - 2 ft									
N									
		Units	Guidance Values ¹						
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial	
			Exceedance Key	<u>Underline</u>	<i>Italic</i>	Border	Shade	--	--
	General Parameters								
	Carbon, total organic	mg/kg	--		--	--	--	--	3510
	Moisture	%	--		--	--	--	--	19.0
	pH	pH units	--		--	--	--	--	4.41
	Temperature	deg C	--		--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances								
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	< 0.24 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 0.97 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.24 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.24 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.24 U
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	2.3 J
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.24 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.24 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	< 0.24 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.24 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	< 0.24 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.24 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.24 UJ

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

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Detections are presented in bold.

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FASAAs - perfluoroalkane sulfonamido acetic acids

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PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

									Location		02B				02C			02D			03A			03B					
									Soil Type		Silt	Silt	Silt		Silt	Silt	Silt	Silt	Silt	Silt	Silt	Silt	Silt	Silt	Silt	Silt	Silt		
									Date		1/23/2020	1/23/2020	1/23/2020		1/23/2020	1/23/2020	1/23/2020	1/23/2020	1/23/2020	1/23/2020	1/23/2020	1/23/2020	1/23/2020	1/22/2020	1/22/2020	1/22/2020	6/19/2020	6/19/2020	6/19/2020
									Depth		0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									Sample Type		N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Guidance Values ¹																										
	Parameter	Units	Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial																					
	Exceedance Key		Underline	Italic	Border	Shade	--	--																					
	General Parameters																												
	Carbon, total organic	mg/kg	--		--	--	--	--	136000 J	17400 J	5450 J	4490 J	65200 J	9980 J	4240 J	112000 J	30500 J	10600 J	97400 J	25100 J	5950 J	140000 J	18000 J	10000 J					
	Moisture	%	--		--	--	--	--	45.3 J	22.4 J	15.3 J	16.0 J	49.8 J	15.5 J	15.8 J	44.5 J	24.7 J	16.9 J	53.5 J	28.4 J	16.0 J	28.0	10.4	8.1					
	pH	pH units	--		--	--	--	--	5.02	4.71	4.61	4.59	4.85	4.54	4.61	4.44	4.36	5.68	4.57	4.55	5.16	4.9	4.8	4.7					
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19.8	19.8	19.7					
PFAS Group	Per- and Polyfluoroalkyl Substances																												
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	<u>0.88</u>	3.7	8.8	44	440	440	<u>0.92 J</u>	< 0.24 U	< 0.23 U	< 0.23 U	<u>1.8 J</u>	0.35 J	< 0.24 U	<u>2.0 J</u>	<u>1.2</u>	0.43 J	<u>1.4</u>	0.60 J	< 0.23 U	<u>1.3</u>	0.41 J	< 0.20 U					
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.5 U	< 0.95 U	< 0.93 U	< 0.92 U	< 1.4 U	< 0.95 U	< 0.94 U	< 1.4 U	1.1 J	< 0.88 UJ	< 1.7 U	< 1.1 U	< 0.92 U	1.2 J	0.92 J	1.6 J					
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.37 U	< 0.24 U	< 0.23 U	< 0.23 U	0.41 J	< 0.24 U	< 0.24 U	< 0.34 U	0.84	< 0.22 U	< 0.42 U	0.63 J	< 0.23 U	0.49 J	0.39 J	< 0.20 UJ					
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.37 U	< 0.24 U	< 0.23 U	< 0.23 U	< 0.36 U	0.37 J	0.37 J	< 0.34 U	1.6	0.41 J	< 0.42 U	1.0	< 0.23 U	< 0.27 U	< 0.22 U	0.31 J					
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.37 U	0.48 J	< 0.23 U	< 0.23 U	< 0.36 U	0.32 J	0.46 J	< 0.34 U	1.7	0.72	< 0.42 U	1.2	0.29 J	< 0.27 U	0.48 J	1.1 J					
	Perfluorooctanoic acid (PFOA)	ng/g	<u>0.66</u>	1.1	6.6	33	500	600	<u>1.9</u>	12	4.6 J	4.0	<u>4.6</u>	10	13	<u>4.2</u>	30	38	<u>1.9</u>	13	<u>4.9</u>	<u>1.6</u>	7.3	13 J					
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.37 U	< 0.24 U	< 0.23 U	< 0.23 U	0.60 J	< 0.24 U	< 0.24 U	0.74 J	0.58 J	< 0.22 U	0.60 J	0.42 J	< 0.23 U	0.44 J	0.22 J	< 0.20 UJ					
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.42 J	< 0.24 U	< 0.23 U	< 0.23 U	0.91 J	< 0.24 U	< 0.24 U	1.4	0.43 J	< 0.22 U	0.74 J	< 0.26 U	< 0.23 U	1.1	< 0.22 U	< 0.20 UJ					
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.51 J	< 0.24 U	< 0.23 U	< 0.23 U	0.61 J	< 0.24 U	< 0.24 U	1.4	< 0.25 U	< 0.22 U	1.0 J	< 0.26 U	< 0.23 U	1.2	< 0.22 U	< 0.20 UJ					
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.37 U	< 0.24 U	< 0.23 U	< 0.23 U	0.45 J	< 0.24 U	< 0.24 U	1.0 J	< 0.25 U	< 0.22 U	0.62 J	< 0.26 U	< 0.23 U	0.78 J	< 0.22 U	< 0.20 UJ					
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	< 0.37 U	< 0.24 U	< 0.23 U	< 0.23 U	< 0.36 U	< 0.24 U	< 0.24 U	0.77 J	< 0.25 U	< 0.22 U	0.45 J	< 0.26 U	< 0.23 U	0.57 J	< 0.22 U	< 0.20 UJ					
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.37 U	< 0.24 U	< 0.23 U	< 0.23 U	< 0.36 U	< 0.24 U	< 0.24 U	0.68 J	< 0.25 U	< 0.22 U	< 0.42 U	< 0.26 U	< 0.23 U	0.44 J	< 0.22 U	< 0.20 UJ					
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.37 U	< 0.24 U	0.44 J	0.40 J	< 0.36 U	< 0.24 U	< 0.24 U	< 0.34 U	< 0.25 U	< 0.22 U	< 0.42 U	< 0.26 U	< 0.23 U	< 0.27 U	< 0.22 U	R					

Notes:

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FASAs - perfluoroalkane sulfonamides

FASAA N-EtFOSAA | ng/g | -- | | -- | -- | -- | -- | < 0.37 U | < 0.24 U | **0.44 J** | **0.40 J** | < 0.36 U | < 0.24 U | < 0.24 U | < 0.34 U | < 0.25 U | < 0.22 U | < 0.42 U | < 0.26 U | < 0.23 U | < 0.27 U | < 0.22 U | R |

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

									03C		
									Silt	Silt	Silt
									6/19/2020	6/19/2020	6/19/2020
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									N	N	N
	Parameter	Units	Guidance Values ¹								
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial			
			<u>Underline</u>	<i>Italic</i>	Border	Shade	--	--			
	General Parameters										
	Carbon, total organic	mg/kg	--		--	--	--	--	63000 J	16000 J	9300 J
	Moisture	%	--		--	--	--	--	13.8	10.3	8.8
	pH	pH units	--		--	--	--	--	4.6	4.7	4.8
	Temperature	deg C	--		--	--	--	--	19.8	19.7	19.9
PFAS Group	Per- and Polyfluoroalkyl Substances										
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	<u>0.88</u>	3.7	8.8	44	440	440	2.2	0.44 J	< 0.22 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	1.1 J	2.0 J	< 0.87 UJ
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	0.28 J	0.32 J	< 0.22 UJ
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.23 U	0.42 J	< 0.22 UJ
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	0.23 J	0.59 J	0.58 J
	Perfluorooctanoic acid (PFOA)	ng/g	<u>0.66</u>	1.1	6.6	33	500	600	2.3	7.1 J	5.1 J
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	0.58 J	0.24 J	< 0.22 UJ
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.86	< 0.21 UJ	< 0.22 UJ
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.96	< 0.21 U	< 0.22 UJ
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	0.63 J	< 0.21 U	< 0.22 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	0.35 J	< 0.21 U	< 0.22 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	0.40 J	< 0.21 U	< 0.22 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.23 U	< 0.21 U	R

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

FD - Sample type: Field Duplicate

mg/kg - milligram per kilogram

ng/g - nanogram per gram

J - Estimated detected value. The reported value is less than the stated laboratory quantitation limit but greater than the laboratory method detection limit.

R - The data are unusable. The samples results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

U - The analyte was analyzed for, but was not detected.

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

FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

			Location Soil Type Date Depth Sample Type						04B			04C			04D			05A			05B			
									Organics	Silt	Silt	Silt	Silt	Silt Clay	Silt	Silt	Silt	Silt - Organics	Silt	Silt	Silt	Silt	Silt	Silt
									6/18/2020	6/18/2020	6/18/2020	10/30/2019	10/30/2019	10/30/2019	4/23/2020	4/23/2020	4/23/2020	8/06/2020	8/06/2020	8/06/2020	8/06/2020	8/06/2020	8/06/2020	8/06/2020
									0 - 0.17 ft	0.17 - 1 ft	1 - 1.42 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.83 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.2 ft	
									N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Guidance Values ¹																					
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial																
			Exceedance Key		Underline	Italic	Border	Shade	--	--														
	General Parameters																							
	Carbon, total organic	mg/kg	--		--	--	--	--	330000	55000	23000	111000	20600	8130	88400	19000	4540	180000	28000	9700	130000	38000	38000 J	
	Moisture	%	--		--	--	--	--	43.0	14.6	11.2	37.6	23.5	18.8	30.7	16.5	15.1	36.0	18.2	11.4	28.0	19.3	19.1	
	pH	pH units	--		--	--	--	--	5.0	4.4	4.5	4.78	4.75	5.02	4.75 J	4.66 J	4.75 J	4.2	4.5	4.5	3.9	4.3	4.5	
	Temperature	deg C	--		--	--	--	--	19.1	19.7	19.7	--	--	--	--	--	--	--	--	--	--	--	--	
PFAS Group	Per- and Polyfluoroalkyl Substances																							
PFASs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.46 J	0.54 J	0.32 J	0.81 J	0.64 J	< 0.24 U	0.55 J	0.33 J	< 0.23 U	1.8	< 0.23 U	0.28 J	2.0	0.73	0.36 J	
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.3 U	< 0.88 U	< 0.87 U	< 1.2 U	< 1.0 U	< 0.95 U	< 1.1 U	< 0.92 U	< 0.91 U	< 1.2 U	< 0.92 U	< 0.85 U	< 1.0 U	< 0.96 U	< 0.96 U	
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.33 U	0.25 J	< 0.22 U	< 0.30 U	0.26 J	< 0.24 U	< 0.28 U	< 0.23 U	< 0.23 U	0.39 J	0.38 J	< 0.21 U	0.26 J	0.51 J	0.25 J	
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	1.1 J	0.41 J	0.77	< 0.30 U	0.27 J	0.57 J	< 0.28 U	0.23 J	< 0.23 U	0.36 J	0.84	0.31 J	0.39 J	1.2	0.69 J	
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.33 U	0.50 J	0.57 J	< 0.30 U	0.41 J	0.72	< 0.28 U	0.50 J	0.27 J	0.41 J	0.77	0.59 J	0.40 J	1.0	2.2	
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	0.59 J	7.5	9.6	0.53 J	3.9	4.7	0.49 J	7.5	7.3	3.8	< 0.23 U	8.9	6.2	18	44	
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.33 U	0.23 J	< 0.22 U	< 0.30 U	0.34 J	< 0.24 U	< 0.28 U	< 0.23 U	< 0.23 U	0.62 J	0.26 J	< 0.21 U	0.67 J	0.43 J	< 0.24 U	
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.33 U	< 0.22 U	< 0.22 U	0.45 J	< 0.25 U	< 0.24 U	0.29 J	< 0.23 U	< 0.23 U	0.75 J	< 0.23 U	< 0.21 U	0.67 J	< 0.24 U	< 0.24 U	
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.51 J	< 0.22 U	< 0.22 U	0.71 J	< 0.25 U	< 0.24 U	0.36 J	< 0.23 U	< 0.23 U	1.1	< 0.23 U	< 0.21 U	0.83	< 0.24 U	< 0.24 U	
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	0.35 J	< 0.22 U	< 0.22 U	0.35 J	< 0.25 U	< 0.24 U	< 0.28 U	< 0.23 U	< 0.23 U	0.60 J	< 0.23 U	< 0.21 U	0.45 J	< 0.24 U	< 0.24 U	
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	< 0.33 U	< 0.22 U	< 0.22 U	0.32 J	< 0.25 U	< 0.24 U	< 0.28 U	< 0.23 U	< 0.23 U	0.44 J	< 0.23 U	< 0.21 U	0.43 J	< 0.24 U	< 0.24 U	
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.33 U	< 0.22 U	< 0.22 U	< 0.30 U	< 0.25 U	< 0.24 U	< 0.28 U	< 0.23 U	< 0.23 U	0.33 J	< 0.23 U	< 0.21 U	0.29 J	< 0.24 U	< 0.24 U	
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.33 U	< 0.22 U	< 0.22 U	< 0.30 U	< 0.25 U	< 0.24 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.30 U	< 0.23 U	< 0.21 U	< 0.25 U	< 0.24 U	< 0.24 U	

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

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N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

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Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

									Location		
									05C		
									Silt	Silt	Silt
									8/06/2020	8/06/2020	8/06/2020
									0 - 0.17 ft	0.17 - 1 ft	1 - 1.6 ft
Sample Type									N	N	N
	Parameter	Units	Guidance Values ¹								
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial			
			<u>Underline</u>	<i>Italic</i>	Border	Shade	--	--			
	General Parameters										
	Carbon, total organic	mg/kg	--		--	--	--	--	160000	18000	20000
	Moisture	%	--		--	--	--	--	23.8	14.8	11.0
	pH	pH units	--		--	--	--	--	4.1	4.9	5.1
	Temperature	deg C	--		--	--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances										
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	<u>0.88</u>	3.7	8.8	44	440	440	0.73 J	0.22 J	0.36 J
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.1 U	< 0.88 U	< 0.89 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.22 U	< 0.22 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	0.28 J	< 0.22 U	< 0.22 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.22 U	0.24 J
	Perfluorooctanoic acid (PFOA)	ng/g	<u>0.66</u>	1.1	6.6	33	500	600	0.81	< 0.22 U	< 0.22 U
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.22 U	< 0.22 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.42 J	< 0.22 U	< 0.22 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.63 J	< 0.22 U	< 0.22 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	0.33 J	< 0.22 U	< 0.22 U
	Perfluorotridecanoic acid (PFTriDA / PFTriA)	ng/g	--		--	--	--	--	0.30 J	< 0.22 U	< 0.22 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.22 U	< 0.22 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.26 U	< 0.22 U	< 0.22 U

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

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N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

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Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location Soil Type Date Depth Sample Type									05E			05F			06A			06B			06C		
									Silt	Silt	Silt	Silt	Silt	Silt	Silt Organics	Silt Clay	Clay	Clay	Clay	Clay	Silt	Silt Clay	Clay
									8/06/2020	8/06/2020	8/06/2020	6/18/2020	6/18/2020	6/18/2020	10/23/2019	10/23/2019	10/23/2019	1/22/2020	1/22/2020	1/22/2020	10/23/2019	10/23/2019	10/23/2019
									0 - 0.17 ft	0.17 - 1 ft	1 - 1.33 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Parameter	Units	Guidance Values ¹																				
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial															
			<u>Exceedance Key</u>	<i>Italic</i>	Border	Shade	--	--															
	General Parameters																						
	Carbon, total organic	mg/kg	--		--	--	--	--	110000	29000	16000	43000 J	13000 J	13000 J	183000	38400	10700	46400 J	23400 J	10900 J	89900	35500	18400
	Moisture	%	--		--	--	--	--	33.3	17.4	14.2	15.7	12.8	11.3	52.3 J	22.9	18.5	36.4 J	29.8 J	18.4 J	34.8 J	31.1 J	27.0 J
	pH	pH units	--		--	--	--	--	4.5	4.7	4.9	5.4	5.2	5.3	3.96 J	4.71	4.67	6.19	6.16	5.95	5.27	5.21	5.02
	Temperature	deg C	--		--	--	--	--	--	--	--	19.8	19.7	19.8	--	--	--	--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances																						
PFASs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.89	0.75	0.39 J	0.27 J	0.39 J	0.24 J	1.9	0.49 J	< 0.23 U	0.57 J	0.42 J	< 0.24 UJ	0.87	0.57 J	0.60 J
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.2 U	< 0.92 U	< 0.91 U	1.2 J	< 0.90 U	1.0 J	< 1.6 U	< 1.0 U	< 0.92 U	< 1.2 U	< 1.1 U	< 0.97 U	< 1.1 U	< 1.1 U	< 1.0 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.29 U	0.29 J	< 0.23 U	< 0.23 U	< 0.22 U	< 0.21 U	< 0.39 U	< 0.26 U	< 0.23 U	0.35 J	< 0.27 U	< 0.24 U	< 0.29 U	0.43 J	< 0.26 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	0.29 J	0.41 J	0.34 J	< 0.23 U	< 0.22 U	0.21 J	< 0.39 U	< 0.26 U	0.65 J	0.56 J	0.64 J	< 0.24 U	< 0.29 U	1.2	0.28 J
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.29 U	0.56 J	0.78	< 0.23 U	0.35 J	0.37 J	0.48 J	0.26 J	0.94	0.59 J	0.88	0.31 J	< 0.29 U	1.5	0.92
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	1.4	11	15	0.31 J	6.7	5.3	9.4	11	14	4.7	11	4.5	1.1	14	17
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	0.32 J	0.28 J	< 0.23 U	< 0.23 U	< 0.22 U	< 0.21 U	0.57 J	0.26 J	< 0.23 U	< 0.31 U	< 0.27 U	< 0.24 U	< 0.29 U	< 0.27 U	< 0.26 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.44 J	< 0.23 U	< 0.23 U	< 0.23 U	< 0.22 U	< 0.21 U	0.62 J	< 0.26 U	< 0.23 U	< 0.31 U	< 0.27 U	< 0.24 U	0.29 J	< 0.27 U	< 0.26 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.62 J	< 0.23 U	< 0.23 U	< 0.23 U	< 0.22 U	< 0.21 U	0.98 J	< 0.26 U	< 0.23 U	< 0.31 U	< 0.27 U	< 0.24 U	0.37 J	< 0.27 U	< 0.26 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	0.34 J	< 0.23 U	< 0.23 U	< 0.23 U	< 0.22 U	< 0.21 U	0.49 J	< 0.26 U	< 0.23 U	< 0.31 U	< 0.27 U	< 0.24 U	< 0.29 U	< 0.27 U	< 0.26 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	0.29 J	< 0.23 U	< 0.23 U	< 0.23 U	< 0.22 U	< 0.21 U	0.50 J	< 0.26 U	< 0.23 U	< 0.31 U	< 0.27 U	< 0.24 U	< 0.29 U	< 0.27 U	< 0.26 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.29 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.22 U	< 0.21 U	< 0.39 U	< 0.26 U	< 0.23 U	< 0.31 U	< 0.27 U	< 0.24 U	< 0.29 U	< 0.27 U	< 0.26 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.29 U	< 0.23 U	< 0.23 U	< 0.23 U	< 0.22 U	< 0.21 U	< 0.39 U	< 0.26 U	< 0.23 U	< 0.31 U	< 0.27 U	< 0.24 U	< 0.29 U	< 0.27 U	< 0.26 U

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Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location Soil Type Date Depth Sample Type									06D				06E			06F			07A			07B	
									Silt	Silt Clay	Silt		Silt	Silt	Silt	Silt	Clay	Clay	Organics	Silt	Silt	Silt	Silt
									10/23/2019	10/23/2019	10/23/2019		10/09/2019	10/09/2019	10/09/2019	11/26/2019	11/26/2019	11/26/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.83 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft
									N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
			Guidance Values ¹																				
	Parameter	Units	Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial															
	Exceedance Key		Underline	Italic	Border	Shade	--	--															
	General Parameters																						
	Carbon, total organic	mg/kg	--		--	--	--	--	150000	14100	7390 J	5130 J	136000	11800	2940	41600	18900	3000	62200	18300	12000	68600	21100
	Moisture	%	--		--	--	--	--	32.0 J	19.8 J	14.2 J	16.1 J	37.0	17.2	14.1	33.0	24.2	15.6	31.9	17.9	13.8	33.4	23.8
	pH	pH units	--		--	--	--	--	5.01	5.06	4.87	4.84	5.14	4.87	4.70	6.19	5.88	5.97	4.72	4.98	4.73	5.87	5.50
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances																						
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	<u>0.88</u>	3.7	8.8	44	440	440	1.2	0.45 J	< 0.23 U	< 0.23 U	1.2	0.28 J	< 0.22 U	0.49 J	0.26 J	< 0.23 U	1.2	0.27 J	< 0.21 U	0.37 J	0.52 J
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.1 U	< 0.96 U	< 0.92 U	< 0.93 U	< 1.2 U	< 0.97 U	< 0.90 UJ	< 1.2 U	< 0.97 U	< 0.94 U	< 1.1 U	< 0.92 U	< 0.86 UJ	< 1.1 U	< 1.0 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.27 U	< 0.24 U	< 0.23 U	< 0.23 U	< 0.30 U	0.25 J	< 0.22 U	< 0.29 U	0.25 J	< 0.23 U	0.41 J	< 0.23 U	< 0.21 UJ	< 0.28 U	0.26 J
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.27 U	< 0.24 U	< 0.23 U	< 0.23 U	< 0.30 U	0.52 J	0.32 J	< 0.29 U	0.29 J	< 0.23 U	0.29 J	0.42 J	< 0.21 U	< 0.28 U	0.53 J
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.27 U	0.36 J	0.37 J	0.36 J	< 0.30 U	0.76	0.48 J	< 0.29 U	0.89	0.39 J	0.33 J	0.72	0.25 J	< 0.28 U	0.67 J
	Perfluorooctanoic acid (PFOA)	ng/g	<u>0.66</u>	1.1	6.6	33	500	600	1.5	7.4	20	20	1.9	12	10 J	2.3	10	4.6	1.1	12	11 J	2.6	17
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	0.35 J	< 0.24 U	< 0.23 U	< 0.23 U	0.40 J	< 0.24 U	< 0.22 U	< 0.29 U	< 0.24 U	< 0.23 U	0.34 J	< 0.23 U	< 0.21 U	< 0.28 U	< 0.25 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.50 J	< 0.24 U	< 0.23 U	< 0.23 U	0.44 J	< 0.24 U	< 0.22 U	< 0.29 U	< 0.24 U	< 0.23 U	0.40 J	< 0.23 U	< 0.21 U	< 0.28 U	< 0.25 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.72 J	< 0.24 U	< 0.23 U	< 0.23 U	0.66 J	< 0.24 U	< 0.22 U	< 0.29 U	< 0.24 U	< 0.23 U	0.58 J	< 0.23 U	< 0.21 U	< 0.28 U	< 0.25 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	0.30 J	< 0.24 U	< 0.23 U	< 0.23 U	0.36 J	< 0.24 U	< 0.22 U	< 0.29 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.21 U	< 0.28 U	< 0.25 U
	Perfluorotridecanoic acid (PFTriDA / PFTriA)	ng/g	--		--	--	--	--	< 0.27 U	< 0.24 U	< 0.23 U	< 0.23 U	0.33 J	< 0.24 U	< 0.22 U	< 0.29 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.21 U	< 0.28 U	< 0.25 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.27 U	< 0.24 U	< 0.23 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.22 U	< 0.29 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.21 U	< 0.28 U	< 0.25 U
FASAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.27 U	< 0.24 U	< 0.23 U	< 0.23 U	< 0.30 U	0.26 J	< 0.22 UJ	< 0.29 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.21 UJ	< 0.28 U	< 0.25 U

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

FD - Sample type: Field Duplicate

mg/kg - milligram per kilogram

ng/g - nanogram per gram

J - Estimated detected value. The reported value is less than the stated laboratory quantitation limit but greater than the laboratory method detection limit.

R - The data are unusable. The samples results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

U - The analyte was analyzed for, but was not detected.

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

FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location Soil Type Date Depth Sample Type									07C				08A			08B			08C				
									Silt	Silt	Silt	Silt	Silt Organics	Silt Clay	Silt	Silt	Silt	Silt	Silt	Silt		Silt	Silt
									10/09/2019	10/10/2019	10/10/2019	10/10/2019	10/23/2019	10/23/2019	10/23/2019	10/10/2019	10/10/2019	10/10/2019	8/06/2020	8/06/2020		8/06/2020	8/06/2020
									1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft		1 - 2 ft	0 - 0.17 ft
									N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
			Guidance Values ¹																				
	Parameter	Units	Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial															
	Exceedance Key		Underline	Italic	Border	Shade	--	--															
	General Parameters																						
	Carbon, total organic	mg/kg	--		--	--	--	--	8580	174000	33100	18900	92200	19200	3690	46200	14200	4720	49000	21000	26000	9400	50000
	Moisture	%	--		--	--	--	--	10.1	43.7 J	21.1 J	16.2 J	41.8 J	23.2 J	13.9 J	23.0 J	12.4	5.6	30.2	20.4	22.7	10.4	20.1
	pH	pH units	--		--	--	--	--	5.93	5.51	5.96	5.89	4.91	4.93	5.27	6.53	5.26	5.47	5.6	5.8	6.5	5.9	5.3
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances																						
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	< 0.20 U	0.72 J	0.68 J	0.38 J	1.3	0.37 J	< 0.23 U	0.63 J	0.42 J	< 0.20 U	0.51 J	0.41 J	0.42 J	< 0.21 U	0.53 J
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 0.81 U	< 1.4 U	< 0.95 U	< 0.88 U	< 1.3 U	1.2 J	< 0.91 U	< 0.96 U	< 0.85 U	< 0.81 U	< 1.1 U	< 0.93 U	< 0.98 U	< 0.84 U	< 0.94 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.20 U	< 0.35 U	0.27 J	< 0.22 U	< 0.33 U	< 0.25 U	< 0.23 U	< 0.24 U	0.25 J	< 0.20 U	< 0.28 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.24 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	0.27 J	< 0.35 U	0.58 J	0.42 J	< 0.33 U	< 0.25 U	0.25 J	< 0.24 U	0.62 J	0.24 J	< 0.28 U	< 0.23 U	0.25 J	< 0.21 U	< 0.24 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	0.49 J	< 0.35 U	0.82	0.59 J	< 0.33 U	0.32 J	0.32 J	< 0.24 U	0.69	0.34 J	< 0.28 U	0.36 J	0.38 J	< 0.21 U	< 0.24 U
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	8.9	4.5	14	9.2	2.8	6.1	4.2	1.6	8.3	4.5	3.2	8.6	9.0	4.8	1.5
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.20 U	< 0.35 U	0.28 J	< 0.22 U	0.43 J	< 0.25 U	< 0.23 U	0.29 J	< 0.21 U	< 0.20 U	< 0.28 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.24 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.20 U	0.37 J	< 0.24 U	< 0.22 U	0.46 J	< 0.25 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.20 U	< 0.28 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.24 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	< 0.20 U	0.62 J	< 0.24 U	< 0.22 U	0.53 J	< 0.25 U	< 0.23 U	0.30 J	< 0.21 U	< 0.20 U	< 0.28 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.24 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.20 U	< 0.35 U	< 0.24 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.20 U	< 0.28 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.24 U
	Perfluorotridecanoic acid (PFTriA / PFTriA)	ng/g	--		--	--	--	--	< 0.20 U	< 0.35 U	< 0.24 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.20 U	< 0.28 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.24 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.20 U	< 0.35 U	< 0.24 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.20 U	< 0.28 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.24 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.20 U	< 0.35 U	< 0.24 U	< 0.22 U	< 0.33 U	< 0.25 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.20 U	< 0.28 U	< 0.23 U	< 0.24 U	< 0.21 U	< 0.24 U

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

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N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

									Location		09A		09B			10A			
									Soil Type		Silt	Silt	Silt	Silt	Silt	Silt Clay	Silt Clay		Silt Clay
									Date		8/06/2020	8/06/2020	8/06/2020	8/06/2020	8/06/2020	10/18/2019	10/18/2019		10/18/2019
									Depth		0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft		1 - 2 ft
									Sample Type		N	N	N	N	N	N	N	FD	N
			Guidance Values ¹																
	Parameter	Units	Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial											
	Exceedance Key		Underline	Italic	Border	Shade	--	--											
	General Parameters																		
	Carbon, total organic	mg/kg	--		--	--	--	--	23000	14000	83000	56000	30000	81100	27200	30000	12700		
	Moisture	%	--		--	--	--	--	19.5	14.2	33.4	27.6	13.9	41.2	25.0	24.1	17.5		
	pH	pH units	--		--	--	--	--	4.7	4.9	6.3	5.7	6.1	6.50	5.32	5.18	5.26		
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--	--	--		
PFAS Group	Per- and Polyfluoroalkyl Substances																		
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.51 J	0.33 J	0.79 J	1.0	0.48 J	0.79 J	0.46 J	0.58 J	< 0.24 U		
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 0.99 U	< 0.91 U	< 1.1 U	< 1.1 U	< 0.89 U	< 1.3 U	< 1.0 U	< 1.0 U	< 0.95 U		
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	0.42 J	0.23 J	0.39 J	< 0.28 U	< 0.22 U	< 0.32 U	0.31 J	0.31 J	< 0.24 U		
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	0.80	0.69	0.33 J	0.34 J	0.22 J	< 0.32 U	0.71 J	0.56 J	< 0.24 U		
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	0.67 J	0.71	0.40 J	0.47 J	0.35 J	< 0.32 U	0.86	0.67 J	0.42 J		
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	8.2	8.5	12	15	9.6	1.6	7.5	6.2	7.3		
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.23 U	0.34 J	0.33 J	< 0.22 U	< 0.32 U	< 0.25 U	< 0.25 U	< 0.24 U		
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.23 U	0.28 J	< 0.28 U	< 0.22 U	0.39 J	< 0.25 U	< 0.25 U	< 0.24 U		
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.23 U	0.29 J	< 0.28 U	< 0.22 U	0.54 J	< 0.25 U	< 0.25 U	< 0.24 U		
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.23 U	< 0.27 U	< 0.28 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.25 U	< 0.24 U		
	Perfluorotridecanoic acid (PFTriA / PFTriA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.23 U	< 0.27 U	< 0.28 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.25 U	< 0.24 U		
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.25 U	< 0.23 U	< 0.27 U	< 0.28 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.25 U	< 0.24 U		
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.25 U	< 0.23 U	< 0.27 U	< 0.28 U	< 0.22 U	< 0.32 U	< 0.25 U	< 0.25 U	< 0.24 U		

Notes:

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Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location Soil Type Date Depth Sample Type									10B**			10C			10D			10E			11A		
									Silt Sand	Silt	Silt	Silt	Silt	Silt	Silt	Silt	Silt	Clay	Silt	Silt Clay	Silt		
									10/30/2019	10/30/2019	10/30/2019	1/22/2020	1/22/2020	1/22/2020	10/24/2019	10/24/2019	10/24/2019	10/30/2019	10/30/2019	10/30/2019	10/24/2019	10/24/2019	10/24/2019
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.5 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			Guidance Values ¹																				
	Parameter	Units	Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial															
	Exceedance Key		Underline	Italic	Border	Shade	--	--															
	General Parameters																						
	Carbon, total organic	mg/kg	--		--	--	--	--	13100	12400	5910	83500 J	33900 J	35000 J	34100	13500	10300	74000	21100	10500	154000	13900	2070
	Moisture	%	--		--	--	--	--	12.2	11.7 J	11.2 J	42.4 J	28.4 J	29.9 J	24.4	20.4	14.8	29.5 J	19.9 J	19.9 J	35.2	17.2	10.1
	pH	pH units	--		--	--	--	--	4.87	4.61	4.67	7.12	7.39	7.52	5.03	5.21	5.16	4.19	4.24	4.63	4.91	5.48	6.02
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances																						
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.34 J	0.39 J	< 0.22 U	0.96 J	0.75 J	0.76 J	0.52 J	< 0.24 U	< 0.22 U	0.57 J	0.39 J	< 0.23 U	1.7	< 0.22 U	< 0.21 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 0.84 U	< 0.88 U	< 0.88 U	< 1.3 U	1.2 J	< 1.1 U	< 0.98 U	< 0.97 U	< 0.89 U	< 1.1 U	< 0.93 U	< 0.93 U	< 1.2 U	< 0.89 U	< 0.86 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	< 0.34 U	0.42 J	0.42 J	< 0.24 U	< 0.24 U	< 0.22 U	< 0.27 U	< 0.23 U	< 0.23 U	< 0.29 U	< 0.22 U	< 0.21 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	< 0.34 U	0.69 J	0.99	< 0.24 U	< 0.24 U	< 0.22 U	< 0.27 U	0.52 J	0.23 J	< 0.29 U	0.25 J	< 0.21 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	< 0.34 U	0.53 J	0.78 J	< 0.24 U	< 0.24 U	< 0.22 U	< 0.27 U	0.38 J	0.57 J	< 0.29 U	0.23 J	< 0.21 U
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	0.25 J	5.4	6.3	2.3	12	14	0.95	1.5	2.6	1.3	14	13	1.4	2.3	1.2
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	0.45 J	0.31 J	0.33 J	0.34 J	< 0.24 U	< 0.22 U	0.27 J	< 0.23 U	< 0.23 U	0.36 J	< 0.22 U	< 0.21 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	0.34 J	< 0.28 U	< 0.28 U	< 0.24 U	< 0.24 U	< 0.22 U	< 0.27 U	< 0.23 U	< 0.23 U	0.48 J	< 0.22 U	< 0.21 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	< 0.34 U	< 0.28 U	< 0.28 U	< 0.24 U	< 0.24 U	< 0.22 U	0.31 J	< 0.23 U	< 0.23 U	0.57 J	< 0.22 U	< 0.21 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	< 0.34 U	< 0.28 U	< 0.28 U	< 0.24 U	< 0.24 U	< 0.22 U	< 0.27 U	< 0.23 U	< 0.23 U	< 0.29 U	< 0.22 U	< 0.21 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	< 0.34 U	< 0.28 U	< 0.28 U	< 0.24 U	< 0.24 U	< 0.22 U	< 0.27 U	< 0.23 U	< 0.23 U	< 0.29 U	< 0.22 U	< 0.21 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	< 0.34 U	< 0.28 U	< 0.28 U	< 0.24 U	< 0.24 U	< 0.22 U	< 0.27 U	< 0.23 U	< 0.23 U	< 0.29 U	< 0.22 U	< 0.21 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.21 U	< 0.22 U	< 0.22 U	< 0.34 U	< 0.28 U	< 0.28 U	< 0.24 U	< 0.24 U	< 0.22 U	< 0.27 U	< 0.23 U	< 0.23 U	0.66 J	< 0.22 U	< 0.21 U

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

FD - Sample type: Field Duplicate

mg/kg - milligram per kilogram

ng/g - nanogram per gram

J - Estimated detected value. The reported value is less than the stated laboratory quantitation limit but greater than the laboratory method detection limit.

R - The data are unusable. The samples results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

U - The analyte was analyzed for, but was not detected.

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

FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location Soil Type Date Depth Sample Type									11B			11C			11D			11E			12A					
									Silt	Silt	Silt	Silt	Silt	Silt	Silt Clay	Silt	Silt Clay	Clay	Silt	Silt Clay	Clay	Silt	Silt Clay	Silt Clay		
									10/24/2019	10/24/2019	10/24/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	11/12/2019	
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
									N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	Parameter	Units	Guidance Values ¹																							
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial																		
			<u>Exceedance Key</u>																							
			<u>Underline</u>	<i>Italic</i>	Border	Shade	--	--																		
	General Parameters																									
	Carbon, total organic	mg/kg	--		--	--	--	--	61500	23700	4500	122000	29000	9940	68800	14100	8820	108000	9510	6230	91700	14200	4590			
	Moisture	%	--		--	--	--	--	26.4	18.8	13.1	46.8 J	22.8 J	16.2 J	30.2 J	17.3 J	15.5 J	39.5 J	22.6 J	18.7 J	40.6 J	23.8 J	16.5 J			
	pH	pH units	--		--	--	--	--	4.69	4.88	5.04	6.34	5.82	5.90	5.08	4.85	5.74	5.25	5.10	4.99	4.83	4.87	4.77			
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
PFAS Group	Per- and Polyfluoroalkyl Substances																									
PFASs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	1.1	0.87	< 0.22 U	0.85 J	0.50 J	< 0.23 U	0.92	0.37 J	< 0.23 U	0.81 J	0.37 J	< 0.24 U	2.0	0.45 J	< 0.22 U			
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.0 U	< 0.94 U	< 0.86 U	< 1.5 U	< 0.98 U	< 0.92 U	< 1.1 U	1.2 J	< 0.92 U	2.3 J	1.3 J	1.7 J	1.8 J	1.5 J	1.3 J			
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.23 U	< 0.22 U	< 0.38 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.32 U	< 0.26 U	< 0.24 U	< 0.34 U	0.25 J	< 0.22 U			
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.23 U	< 0.22 U	< 0.38 U	< 0.24 U	0.23 J	< 0.28 U	< 0.23 U	< 0.23 U	< 0.32 U	0.52 J	< 0.24 U	< 0.34 U	0.46 J	0.41 J			
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	0.33 J	0.25 J	< 0.22 U	< 0.38 U	< 0.24 U	0.26 J	< 0.28 U	0.30 J	0.27 J	< 0.32 U	0.47 J	< 0.24 U	< 0.34 U	0.38 J	0.37 J			
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	5.0	6.2	2.3	0.53 J	1.2	4.0	0.77 J	3.5	1.8	1.1	5.3	9.4	5.1	6.4	5.0			
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	0.37 J	0.36 J	< 0.22 U	< 0.38 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.32 U	< 0.26 U	< 0.24 U	0.55 J	< 0.24 U	< 0.22 U			
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.30 J	< 0.23 U	< 0.22 U	0.43 J	< 0.24 U	< 0.23 U	0.30 J	< 0.23 U	< 0.23 U	0.36 J	< 0.26 U	< 0.24 U	0.57 J	< 0.24 U	< 0.22 U			
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.33 J	< 0.23 U	< 0.22 U	0.53 J	< 0.24 U	< 0.23 U	0.40 J	< 0.23 U	< 0.23 U	0.48 J	< 0.26 U	< 0.24 U	0.73 J	< 0.24 U	< 0.22 U			
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.23 U	< 0.22 U	< 0.38 U	< 0.24 U	< 0.23 U	0.30 J	< 0.23 U	< 0.23 U	< 0.32 U	< 0.26 U	< 0.24 U	0.41 J	< 0.24 U	< 0.22 U			
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.23 U	< 0.22 U	< 0.38 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.32 U	< 0.26 U	< 0.24 U	< 0.34 U	< 0.24 U	< 0.22 U			
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.26 U	< 0.23 U	< 0.22 U	< 0.38 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.32 U	< 0.26 U	< 0.24 U	< 0.34 U	< 0.24 U	< 0.22 U			
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.26 U	< 0.23 U	< 0.22 UJ	< 0.38 U	< 0.24 U	< 0.23 U	< 0.28 U	< 0.23 U	< 0.23 U	< 0.32 U	< 0.26 U	< 0.24 UJ	< 0.34 U	< 0.24 U	< 0.22 U			

Notes:

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Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

									Location		
									12B		
									Silt	Silt	Silt
									10/10/2019	10/10/2019	10/10/2019
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft
Sample Type									N	N	N
	Parameter	Units	Guidance Values ¹								
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial			
			<u>Exceedance Key</u>	<i>Underline</i>	<i>Border</i>	<i>Shade</i>	--	--			
	General Parameters										
	Carbon, total organic	mg/kg	--		--	--	--	--	48500	18900	10500
	Moisture	%	--		--	--	--	--	30.8	19.5	12.7
	pH	pH units	--		--	--	--	--	5.42	4.97	5.15
	Temperature	deg C	--		--	--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances										
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.59 J	0.47 J	0.34 J
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.1 U	< 0.97 U	< 0.90 UJ
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.28 U	< 0.24 U	< 0.22 UJ
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.28 U	0.53 J	0.27 J
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.28 U	0.76	0.53 J
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	1.5	11	9.1 J
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.28 U	< 0.24 U	< 0.22 UJ
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.28 U	< 0.24 U	< 0.22 UJ
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.31 J	< 0.24 U	< 0.22 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.28 U	< 0.24 U	< 0.22 U
	Perfluorotridecanoic acid (PFTriDA / PFTriA)	ng/g	--		--	--	--	--	< 0.28 U	< 0.24 U	< 0.22 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.28 U	< 0.24 U	< 0.22 U

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

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N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

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Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location Soil Type Date Depth Sample Type									12C				12D			13A			13D			14A	
									Silt Organics	Silt		Silt	Silt	Silt Clay	Silt	Silt	Clay	Clay	Silt	Silt	Silt	Silt	Silt
									11/13/2019	11/13/2019		11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019	10/09/2019
									0 - 0.17 ft	0.17 - 1 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 1.6 ft	0 - 0.17 ft	0.17 - 1 ft
									N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N
	Parameter	Units	Guidance Values ¹																				
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial															
			<u>Exceedance Key</u>	<i>Italic</i>	Border	Shade	--	--															
	General Parameters																						
	Carbon, total organic	mg/kg	--		--	--	--	--	432000	23500	23300	3000	25200	9150	4250	37100	13900	2270	114000	23700	29400	40900	9240
	Moisture	%	--		--	--	--	--	65.8 J	18.5 J	18.2 J	13.2 J	23.3 J	18.1 J	12.5 J	31.9 J	24.5 J	13.6 J	26.1 J	14.5 J	13.6 J	22.5 J	17.4 J
	pH	pH units	--		--	--	--	--	4.07	4.77	4.64	4.93	5.16	4.83	4.68	4.91	4.87	4.68	4.63	4.68	4.73	5.10	5.02
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances																						
PFASs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	1.9	0.37 J	2.1 J	< 0.22 U	0.82	< 0.23 U	< 0.22 U	1.5	0.53 J	< 0.22 U	1.6	0.29 J	< 0.23 U	< 0.24 U	0.24 J
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	3.3 J	1.2 J	1.2 J	1.4 J	1.8 J	1.4 J	1.7 J	1.3 J	1.4 J	< 0.87 U	< 1.1 U	1.4 J	< 0.92 UJ	< 0.96 U	< 0.89 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.57 U	< 0.24 U	< 0.24 U	< 0.22 UJ	< 0.24 U	< 0.23 U	< 0.22 U	< 0.29 U	0.29 J	< 0.22 U	< 0.27 U	< 0.22 UJ	< 0.23 UJ	0.79	< 0.22 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.57 U	< 0.24 U	< 0.24 U	0.24 J	< 0.24 U	0.33 J	< 0.22 U	< 0.29 U	0.32 J	< 0.22 U	< 0.27 U	0.49 J	0.26 J	< 0.24 U	< 0.22 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.57 U	< 0.24 U	< 0.24 U	< 0.22 UJ	< 0.24 U	0.25 J	0.26 J	< 0.29 U	0.54 J	< 0.22 U	< 0.27 U	0.69 J	0.36 J	< 0.24 U	< 0.22 U
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	2.6	5.7	5.2	4.4 J	0.73	3.4	4.1	0.63 J	11	1.5	1.1	18 J	9.4 J	< 0.24 U	3.8
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	0.71 J	< 0.24 U	< 0.24 U	< 0.22 UJ	< 0.24 U	< 0.23 U	< 0.22 U	< 0.29 U	< 0.25 U	< 0.22 U	0.49 J	< 0.22 UJ	< 0.23 UJ	< 0.24 U	< 0.22 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.98 J	< 0.24 U	< 0.24 U	< 0.22 UJ	< 0.24 U	< 0.23 U	< 0.22 U	< 0.29 U	< 0.25 U	< 0.22 U	0.48 J	< 0.22 UJ	< 0.23 UJ	< 0.24 U	< 0.22 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	2.3	< 0.24 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.23 U	< 0.22 U	0.37 J	< 0.25 U	< 0.22 U	0.55 J	< 0.22 U	< 0.23 U	< 0.24 U	< 0.22 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	1.3 J	< 0.24 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.23 U	< 0.22 U	< 0.29 U	< 0.25 U	< 0.22 U	0.29 J	< 0.22 U	< 0.23 U	< 0.24 U	< 0.22 U
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	1.0 J	< 0.24 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.23 U	< 0.22 U	< 0.29 U	< 0.25 U	< 0.22 U	< 0.27 U	< 0.22 U	< 0.23 U	< 0.24 U	< 0.22 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	0.67 J	< 0.24 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.23 U	< 0.22 U	< 0.29 U	< 0.25 U	< 0.22 U	< 0.27 U	< 0.22 U	< 0.23 U	< 0.24 U	< 0.22 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.57 U	< 0.24 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.23 U	< 0.22 U	< 0.29 U	< 0.25 U	< 0.22 U	< 0.27 U	< 0.22 U	< 0.23 U	< 0.24 U	< 0.22 U

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Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

									Location	
									Soil Type	Silt
									Date	10/09/2019
									Depth	1 - 2 ft
Sample Type									N	FD
	Parameter	Units	Guidance Values ¹							
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial		
			<u>Exceedance Key</u>	<i>Underline</i>	<i>Border</i>	<i>Shade</i>	--	--		
	General Parameters									
	Carbon, total organic	mg/kg	--		--	--	--	--	3520	3460
	Moisture	%	--		--	--	--	--	12.8 J	13.5 J
	pH	pH units	--		--	--	--	--	5.24	5.24
	Temperature	deg C	--		--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances									
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	< 0.22 U	< 0.22 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 0.90 UJ	< 0.90 UJ
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.22 UJ	< 0.22 UJ
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.22 UJ	< 0.22 U
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.22 UJ	< 0.22 UJ
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	3.5 J	3.1 J
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.22 U	< 0.22 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.22 UJ	< 0.22 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	< 0.22 U	< 0.22 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.22 U	< 0.22 U
	Perfluorotridecanoic acid (PFTTrDA / PFTTriA)	ng/g	--		--	--	--	--	< 0.22 U	< 0.22 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.22 U	< 0.22 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.22 UJ	< 0.22 UJ

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

FD - Sample type: Field Duplicate

mg/kg - milligram per kilogram

ng/g - nanogram per gram

J - Estimated detected value. The reported value is less than the stated laboratory quantitation limit but greater than the laboratory method detection limit.

R - The data are unusable. The samples results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.

U - The analyte was analyzed for, but was not detected.

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

FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

Location Soil Type Date Depth Sample Type									14C			15A			15C				15D				15G	
									Organics	Clay	Clay	Silt	Silt	Silt	Silt	Silt	Silt		Silt	Silt	Silt Clay		Silt	Silt
									4/23/2020	4/23/2020	4/23/2020	6/18/2020	6/18/2020	6/18/2020	6/18/2020	6/18/2020	6/18/2020		11/26/2019	11/26/2019	11/26/2019		4/23/2020	4/23/2020
									0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	1 - 2 ft	0 - 0.17 ft	0.17 - 1 ft
									N	N	N	N	N	N	N	N	N	FD	N	N	N	FD	N	N
			Guidance Values ¹																					
	Parameter	Units	Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial																
	Exceedance Key		Underline	Italic	Border	Shade	--	--																
	General Parameters																							
	Carbon, total organic	mg/kg	--		--	--	--	--	148000	11800	7230	120000	15000 J	6500 J	63000	7000	2700 J	3800 J	40200	12300	6590	6100	50600	9810
	Moisture	%	--		--	--	--	--	42.6	19.0	15.7	26.7	10.8	10.2	27.3	13.6	9.3	10.7	28.6	19.8	14.7	16.5	31.7	17.9
	pH	pH units	--		--	--	--	--	4.22 J	5.12 J	4.95 J	5.8	5.1	5.2	6.5	5.1	5.5	5.8	5.06	4.98	5.41	5.47	5.34 J	4.87 J
	Temperature	deg C	--		--	--	--	--	--	--	--	19.8	19.7	19.9	19.6	19.8	19.8	19.8	--	--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances																							
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.84 J	< 0.23 U	< 0.23 U	0.73 J	0.48 J	0.28 J	0.79	0.37 J	< 0.21 U	< 0.22 U	0.42 J	0.27 J	< 0.22 U	< 0.23 U	0.57 J	< 0.24 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.4 U	< 0.91 U	< 0.92 U	1.0 J	0.95 J	0.90 J	1.1 J	< 0.87 U	< 0.84 U	< 0.87 U	< 1.0 U	< 0.95 U	< 0.89 U	< 0.92 U	< 1.1 U	< 0.97 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.34 U	< 0.23 U	< 0.23 U	< 0.26 U	0.25 J	0.21 J	< 0.25 U	0.39 J	0.25 J	< 0.22 U	< 0.26 U	0.36 J	< 0.22 U	< 0.23 U	< 0.27 U	0.26 J
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.34 U	< 0.23 U	< 0.23 U	< 0.26 U	< 0.22 U	< 0.21 U	< 0.25 U	0.53 J	0.40 J	0.40 J	< 0.26 U	0.50 J	0.71	0.87	< 0.27 U	0.80
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.34 U	0.26 J	< 0.23 U	< 0.26 U	0.30 J	< 0.21 U	< 0.25 U	0.25 J	< 0.21 U	< 0.22 U	< 0.26 U	< 0.24 U	0.64 J	0.59 J	< 0.27 U	0.67 J
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	1.3	2.9	6.4	2.3	6.2	2.6	1.3	3.8	2.0	2.0	1.8	6.4	12	11	1.1	5.7
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.34 U	< 0.23 U	< 0.23 U	0.27 J	< 0.22 U	< 0.21 U	< 0.25 U	0.23 J	< 0.21 U	< 0.22 U	< 0.26 U	< 0.24 U	< 0.22 U	< 0.23 U	< 0.27 U	< 0.24 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	0.40 J	< 0.23 U	< 0.23 U	0.51 J	< 0.22 U	< 0.21 U	0.42 J	< 0.22 U	< 0.21 U	< 0.22 U	< 0.26 U	< 0.24 U	< 0.22 U	< 0.23 U	< 0.27 U	< 0.24 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	0.43 J	< 0.23 U	< 0.23 U	0.75 J	< 0.22 U	< 0.21 U	0.56 J	< 0.22 U	< 0.21 U	< 0.22 U	< 0.26 U	< 0.24 U	< 0.22 U	< 0.23 U	0.31 J	< 0.24 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.34 U	< 0.23 U	< 0.23 U	0.37 J	< 0.22 U	< 0.21 U	0.28 J	< 0.22 U	< 0.21 U	< 0.22 U	< 0.26 U	< 0.24 U	< 0.22 U	< 0.23 U	< 0.27 U	< 0.24 U
	Perfluorotridecanoic acid (PFTriDA / PFTriA)	ng/g	--		--	--	--	--	< 0.34 U	< 0.23 U	< 0.23 U	< 0.26 U	< 0.22 U	< 0.21 U	< 0.25 U	< 0.22 U	< 0.21 U	< 0.22 U	< 0.26 U	< 0.24 U	< 0.22 U	< 0.23 U	< 0.27 U	< 0.24 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.34 U	< 0.23 U	< 0.23 U	< 0.26 U	< 0.22 U	< 0.21 U	< 0.25 U	< 0.22 U	< 0.21 U	< 0.22 U	< 0.26 U	< 0.24 U	< 0.22 U	< 0.23 U	< 0.27 U	< 0.24 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.34 U	< 0.23 U	< 0.23 U	< 0.26 U	< 0.22 U	< 0.21 U	< 0.25 U	< 0.22 U	< 0.21 U	< 0.22 U	< 0.26 U	< 0.24 U	< 0.22 U	< 0.23 U	< 0.27 U	< 0.24 U

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

** Sample locations 01D and 10B did not meet the vetting criteria established in the Work Plan

Detections are presented in bold.

N - Sample type: Normal

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FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

									Location
									Soil Type
									Date
									Depth
									Sample Type
									Silt
									4/23/2020
									1 - 2 ft
									N
	Parameter	Units	Guidance Values ¹						
			Unrestricted	Protection of Groundwater ²	Residential	Restricted Residential	Commercial	Industrial	
			<u>Exceedance Key</u>	<i>Italic</i>	Border	Shade	--	--	
	General Parameters								
	Carbon, total organic	mg/kg	--		--	--	--	--	3440
	Moisture	%	--		--	--	--	--	15.5
	pH	pH units	--		--	--	--	--	4.76 J
	Temperature	deg C	--		--	--	--	--	--
PFAS Group	Per- and Polyfluoroalkyl Substances								
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	< 0.22 U
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 0.86 U
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.22 U
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	0.33 J
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	0.52 J
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	5.8
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.22 U
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.22 U
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	< 0.22 U
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.22 U
	Perfluorotridecanoic acid (PFTTrDA / PFTTriA)	ng/g	--		--	--	--	--	< 0.22 U
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.22 U
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.22 U

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

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PFSAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

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Table B3: Initial Phase Analytical Results*
Regional Air Deposition Study Report
Village of Hoosick Falls, New York

									Location		16A				16D		
									Soil Type		Silt	Silt	Silt Clay		Silt Organics	Silt	Silt Gravel
											Date	Date	Date		Date	Date	Date
									Depth		11/26/2019	11/26/2019	11/26/2019		10/30/2019	10/30/2019	10/30/2019
											Sample Type		0 - 0.17 ft	0.17 - 1 ft	1 - 2 ft	1 - 2 ft	0 - 0.17 ft
									N	N	N	FD	N	N	N		
			Guidance Values ¹														
				Protection of Groundwater ²		Restricted Residential											
			Unrestricted		Residential		Commercial	Industrial									
			Parameter	Units	Underline	Italic	Border	Shade	--	--							
Exceedance Key																	
General Parameters																	
	Carbon, total organic	mg/kg	--		--	--	--	--	83400	19200	6800 J	11800 J	98700	19600	3550		
	Moisture	%	--		--	--	--	--	37.9	24.1	17.9	18.9	38.1	18.8	18.3		
	pH	pH units	--		--	--	--	--	5.22	5.07	5.67	5.42	4.57	4.76	4.48		
	Temperature	deg C	--		--	--	--	--	--	--	--	--	--	--	--		
PFAS Group	Per- and Polyfluoroalkyl Substances																
PFSAs	Perfluorooctanesulfonic acid (PFOS)	ng/g	0.88	3.7	8.8	44	440	440	0.71 J	0.47 J	< 0.23 U	0.40 J	1.1	0.64 J	< 0.24 U		
PFCAs	Perfluorobutanoic acid (PFBA)	ng/g	--		--	--	--	--	< 1.3 U	< 1.0 U	< 0.90 U	< 0.94 U	1.5 J	1.2 J	1.0 J		
	Perfluoropentanoic acid (PFPeA)	ng/g	--		--	--	--	--	< 0.32 U	0.41 J	< 0.23 U	< 0.23 U	0.45 J	0.64 J	0.26 J		
	Perfluorohexanoic acid (PFHxA)	ng/g	--		--	--	--	--	< 0.32 U	1.1	< 0.23 U	0.35 J	0.35 J	1.0	0.33 J		
	Perfluoroheptanoic acid (PFHpA)	ng/g	--		--	--	--	--	< 0.32 U	0.52 J	< 0.23 U	0.25 J	0.43 J	0.75	< 0.24 U		
	Perfluorooctanoic acid (PFOA)	ng/g	0.66	1.1	6.6	33	500	600	1.7	4.7	2.5 J	3.7 J	3.9	10	4.3 J		
	Perfluorononanoic acid (PFNA)	ng/g	--		--	--	--	--	< 0.32 U	< 0.25 U	< 0.23 U	< 0.23 U	0.51 J	0.31 J	< 0.24 U		
	Perfluorodecanoic acid (PFDA)	ng/g	--		--	--	--	--	< 0.32 U	< 0.25 U	< 0.23 U	< 0.23 U	0.68 J	< 0.24 U	< 0.24 U		
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	ng/g	--		--	--	--	--	< 0.32 U	< 0.25 U	< 0.23 U	< 0.23 U	0.90 J	< 0.24 U	< 0.24 U		
	Perfluorododecanoic acid (PFDoA / PFDoDA)	ng/g	--		--	--	--	--	< 0.32 U	< 0.25 U	< 0.23 U	< 0.23 U	0.45 J	< 0.24 U	< 0.24 U		
	Perfluorotridecanoic acid (PFTrDA / PFTriA)	ng/g	--		--	--	--	--	< 0.32 U	< 0.25 U	< 0.23 U	< 0.23 U	0.33 J	< 0.24 U	< 0.24 U		
	Perfluorotetradecanoic acid (PFTA / PFTeA)	ng/g	--		--	--	--	--	< 0.32 U	< 0.25 U	< 0.23 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U		
FASAAs	N-EtFOSAA	ng/g	--		--	--	--	--	< 0.32 U	< 0.25 U	< 0.23 U	< 0.23 U	< 0.30 U	< 0.24 U	< 0.24 U		

Notes:

*Results are included for analytes that were detected. The following PFAS were included in analysis but not detected: perfluoroheptanesulfonic acid (PFHpS); perfluorodecanesulfonic acid (PFDS); 8:2 fluorotelomer sulfonic acid (8:2 FTS); and n-Methyl perfluorooctanesulfonamidoacetic acid (MeFOSAA)

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FASAs - perfluoroalkane sulfonamides

FASAAs - perfluoroalkane sulfonamido acetic acids

FTSAs - fluorotelomer sulfonic acids

PFAS - per- and polyfluoroalkyl substances

PFCAs - perfluoroalkyl carboxylic acids

PFSAAs - perfluoroalkane sulfonic acids

N-EtFOSAA - n-Ethyl perfluorooctanesulfonamidoacetic acid

¹ Guidance values form NYSDEC Sampling, Analysis and Assessment for PFAS (NYSDEC, 2021b)

Table B4: Initial Study Summary Statistics
Supplemental Scope Data Summary Report
Village of Hoosick Falls, New York

All Soil Samples (0-2 feet)*											
	Parameter	# of Samples	# of Detections	Detection Frequency	Max	Min	Median	Arithmetic Mean	Geometric Mean	75 th Percentile	25 th Percentile
	Carbon, total organic (mg/kg)	165	165	100%	432,000	1,580	20,000	43,922	4,504	56,000	10,000
	Moisture (% by weight)	165	165	100%	65.8	5.6	19.8	23.4	0.8	29.8	15.5
	pH (pH units)	165	165	100%	7.52	3.90	4.98	5.10	0.05	5.32	4.70
PFAS Group	PFAS Compound** (ng/g)										
PFSAs	Perfluorooctanesulfonate (PFOS)	165	115	70%	2.5	--	0.42	0.58	0.04	0.75	--
PFCAs	Perfluorobutanoic acid (PFBA)	165	34	21%	3.3	--	--	--	--	--	--
	Perfluoropentanoic acid (PFPeA)	165	45	27%	0.84	--	--	--	--	--	--
	Perfluorohexanoic acid (PFHxA)	165	76	46%	1.6	--	--	--	--	--	--
	Perfluoroheptanoic acid (PFHpA)	165	98	59%	2.2	--	0.34	0.42	0.02	0.53	--
	Perfluorooctanoic acid (PFOA)	165	161	98%	44	--	4.6	6.3	0.5	9.2	1.9
	Perfluorononanoic acid (PFNA)	165	44	27%	0.74	--	--	--	--	--	--
	Perfluorodecanoic acid (PFDA)	165	39	24%	1.4	--	--	--	--	--	--
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	165	43	26%	2.3	--	--	--	--	--	--
	Perfluorododecanoic acid (PFDoA / PFDoDA)	165	23	14%	1.3	--	--	--	--	--	--
	Perfluorotridecanoic acid (PFTriA / PFTriA)	165	13	8%	1	--	--	--	--	--	--
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	165	6	4%	0.68	--	--	--	--	--	--
FASAAs	N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	163	3	2%	0.66	--	--	--	--	--	--

Surface Soil Samples (0-0.17 feet)*											
	Parameter	# of Samples	# of Detections	Detection Frequency	Maximum	Minimum	Median	Arithmetic Mean	Geometric Mean	75 th Percentile	25 th Percentile
	Carbon, total organic (mg/kg)	55	55	100%	432,000	25,200	83,500	101,249	9,453	126,000	56,050
	Moisture (% by weight)	55	55	100%	65.8	13.8	33.4	34.9	1.4	41.5	28.0
	pH (pH units)	55	55	100%	7.12	3.90	5.02	5.11	0.10	5.37	4.66
PFAS Group	PFAS Compound** (ng/g)										
PFSAs	Perfluorooctanesulfonate (PFOS)	55	54	98%	2.5	--	0.84	1.0	0.1	1.3	0.61
PFCAs	Perfluorobutanoic acid (PFBA)	55	12	22%	3.3	--	--	--	--	--	--
	Perfluoropentanoic acid (PFPeA)	55	11	20%	0.79	--	--	--	--	--	--
	Perfluorohexanoic acid (PFHxA)	55	10	18%	1.1	--	--	--	--	--	--
	Perfluoroheptanoic acid (PFHpA)	55	11	20%	0.59	--	--	--	--	--	--
	Perfluorooctanoic acid (PFOA)	55	54	98%	12	--	1.6	2.4	0.3	2.7	1.1
	Perfluorononanoic acid (PFNA)	55	27	49%	0.74	--	--	--	--	--	--
	Perfluorodecanoic acid (PFDA)	55	38	69%	1.4	--	0.39	0.46	0.03	0.51	--
	Perfluoroundecanoic acid (PFUnA / PFUnDA)	55	43	78%	2.3	--	0.51	0.57	0.05	0.69	0.31
	Perfluorododecanoic acid (PFDoA / PFDoDA)	55	23	42%	1.3	--	--	--	--	--	--
	Perfluorotridecanoic acid (PFTriA / PFTriA)	55	13	24%	1	--	--	--	--	--	--
	Perfluorotetradecanoic acid (PFTA / PFTeDA / PFTeA)	55	6	11%	0.68	--	--	--	--	--	--
FASAAs	N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	55	1	2%	0.66	--	--	--	--	--	--

Table B4: Initial Study Summary Statistics
Supplemental Scope Data Summary Report
Village of Hoosick Falls, New York

Near Surface Soil Samples (0.17-1 feet)*											
	Parameter	# of Samples	# of Detections	Detection Frequency	Maximum	Minimum	Median	Arithmetic Mean	Geometric Mean	75 th Percentile	25 th Percentile
	Carbon, total organic (mg/kg)	55	55	100%	56,000	7,000	18,900	20,523	1,396	23,700	13,850
	Moisture (% by weight)	55	55	100%	32.4	10.3	19.5	20.2	0.7	23.4	17.3
	pH (pH units)	55	55	100%	7.39	4.24	4.88	5.03	0.07	5.21	4.71
PFAS Group	PFAS Compound** (ng/g)										
PFSAs	Perfluorooctanesulfonate (PFOS)	55	47	85%	1.2	--	0.42	0.45	0.03	0.52	0.29
PFCAs	Perfluorobutanoic acid (PFBA)	55	14	25%	2.0	--	--	--	--	--	--
	Perfluoropentanoic acid (PFPeA)	55	28	51%	0.84	--	--	--	--	--	--
	Perfluorohexanoic acid (PFHxA)	55	37	67%	1.6	--	0.41	0.49	0.04	0.60	--
	Perfluoroheptanoic acid (PFHpA)	55	49	89%	1.7	--	0.48	0.54	0.04	0.71	0.28
	Perfluorooctanoic acid (PFOA)	55	53	96%	30	--	7.5	8.6	0.7	11.5	5.0
	Perfluorononanoic acid (PFNA)	55	16	29%	0.58	--	--	--	--	--	--
	Perfluorodecanoic acid (PFDA)	55	1	2%	0.43	--	--	--	--	--	--
FASAAs	N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	55	1	2%	0.28	--	--	--	--	--	--

Sub-Surface Soil Samples (1-2 feet)*											
	Parameter	# of Samples	# of Detections	Detection Frequency	Maximum	Minimum	Median	Arithmetic Mean	Geometric Mean	75 th Percentile	25 th Percentile
	Carbon, total organic (mg/kg)	55	55	100%	38,000	1,580	8,130	9,995	1,108	11,450	4,245
	Moisture (% by weight)	55	55	100%	29.9	5.6	14.8	15.1	0.6	17.2	12.8
	pH (pH units)	55	55	100%	7.52	4.41	5.02	5.16	0.08	5.49	4.72
PFAS Group	PFAS Compound** (ng/g)										
PFSAs	Perfluorooctanesulfonate (PFOS)	55	14	25%	0.76	--	--	--	--	--	--
PFCAs	Perfluorobutanoic acid (PFBA)	55	8	15%	1.7	--	--	--	--	--	--
	Perfluoropentanoic acid (PFPeA)	55	6	11%	0.42	--	--	--	--	--	--
	Perfluorohexanoic acid (PFHxA)	55	29	53%	0.99	--	--	--	--	--	--
	Perfluoroheptanoic acid (PFHpA)	55	38	69%	2.2	--	0.34	0.45	0.04	0.57	--
	Perfluorooctanoic acid (PFOA)	55	54	98%	44	--	5.1	8.0	1.1	9.6	3.8
	Perfluorononanoic acid (PFNA)	55	1	2%	0.33	--	--	--	--	--	--
FASAAs	N-Ethyl perfluorooctanesulfonamidoacetic acid (N-EtFOSAA)	53	1	2%	0.44	--	--	--	--	--	--

Notes:

mg/kg - milligram per kilogram.

ng/g - nanogram per gram.

PFAS (perfluoroalkane sulfonic acids) values are given in parts per billion (ppb) (ng/g).

Maximum: Highest detected concentration.

Mean, median, and 75th percentile calculated if detection frequency was ≥ 50% and at least 5 detections.

Summary statistics with non-detects were calculated using Kaplan-Meier estimation method (See Appendix B for further discussion of statistical methods)

25th percentile calculated if at least 75% of samples were measured above detection limits.

Minimum calculated only if all samples were measured above detection limits.

* Results from locations 01D and 10B were deemed not representative and have been excluded.

**PFAS with zero detections for the given sample interval are excluded.

FASAAs - perfluoroalkane sulfonamide acetic acids

PFAS - per- and polyfluoroalkyl substances

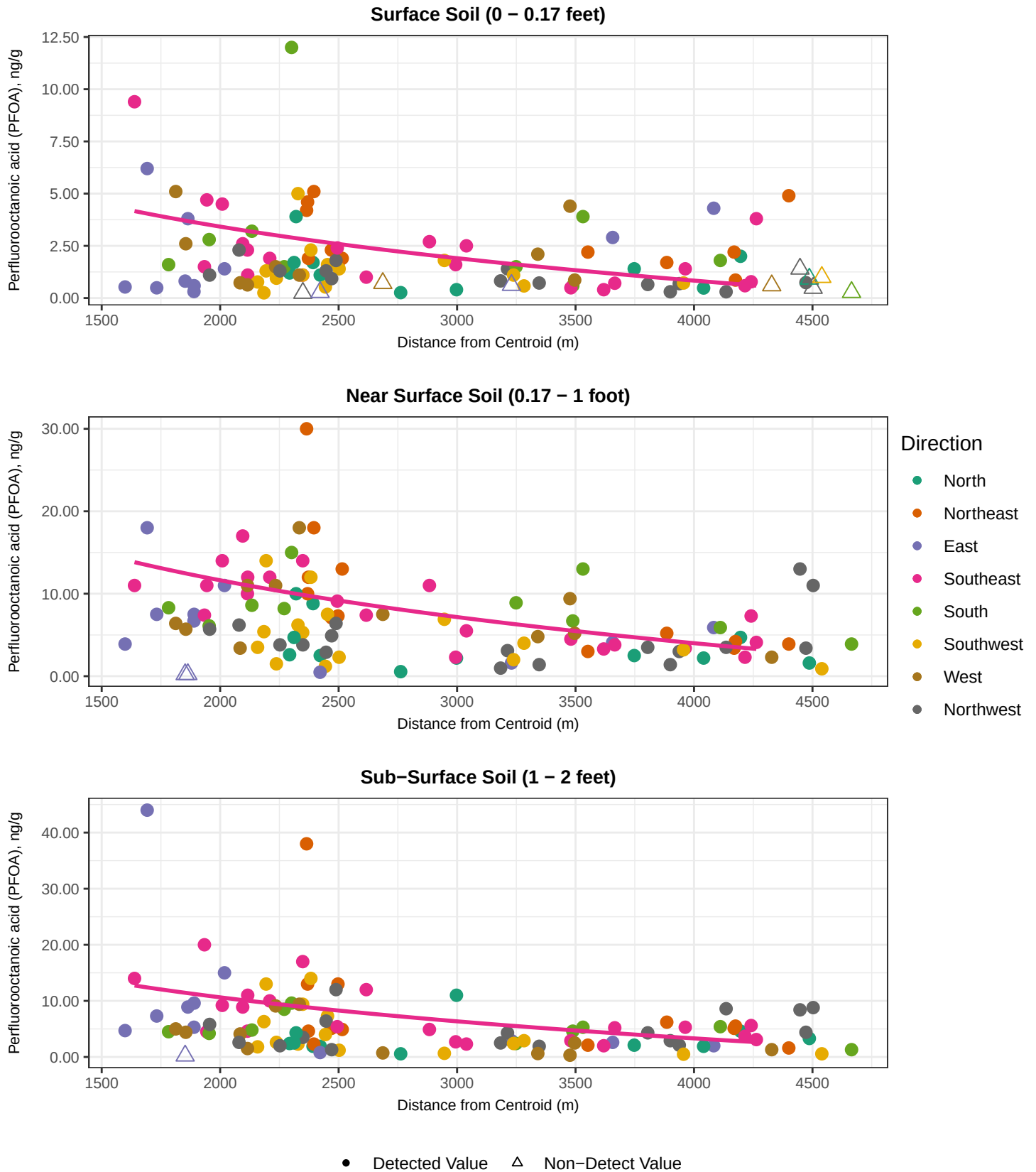
PFCAs - perfluoroalkyl carboxylic acids

PFSAs - perfluoroalkane sulfonic acids

Appendix C

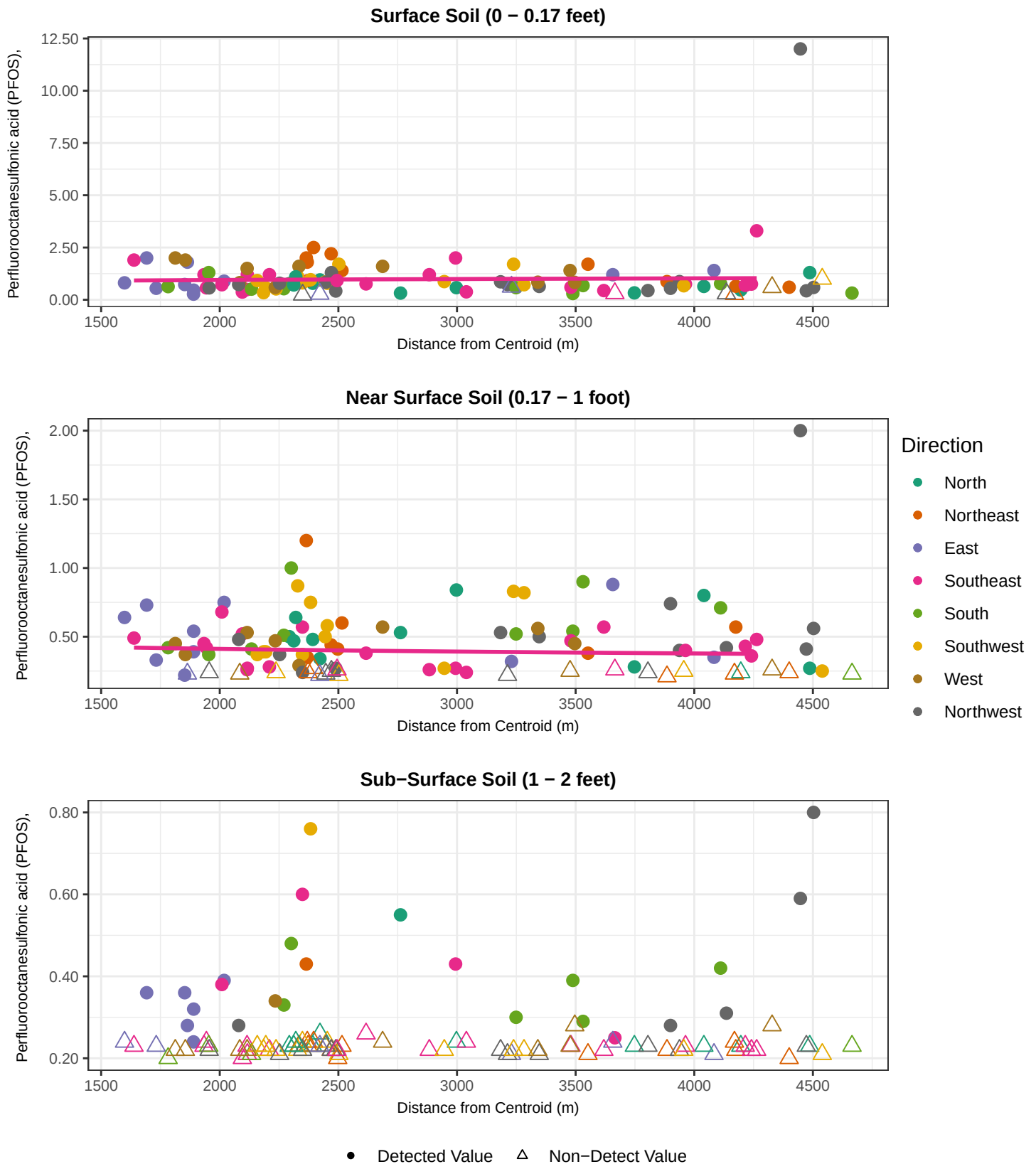
Plots- Study Results by Distance and Direction

Perfluorooctanoic acid (PFOA)



*Southeast trendlines are logarithmic lines of best fit with the lm smoothing method, and were generated using the stat_smooth function from the ggplot2 package in R Studio. Southeast trend lines are only included for sample intervals with at least 50% detections frequency .

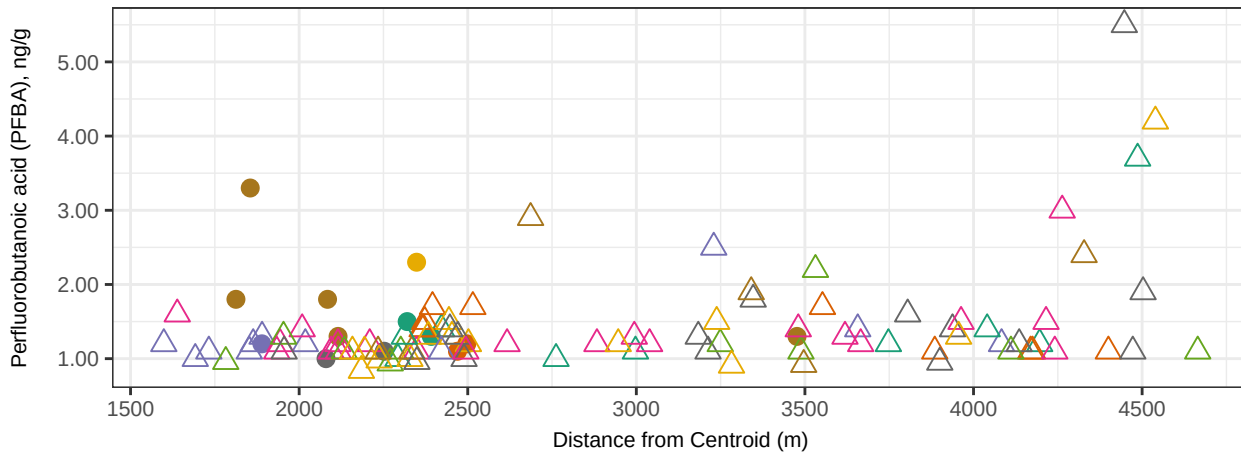
Perfluorooctanesulfonic acid (PFOS)



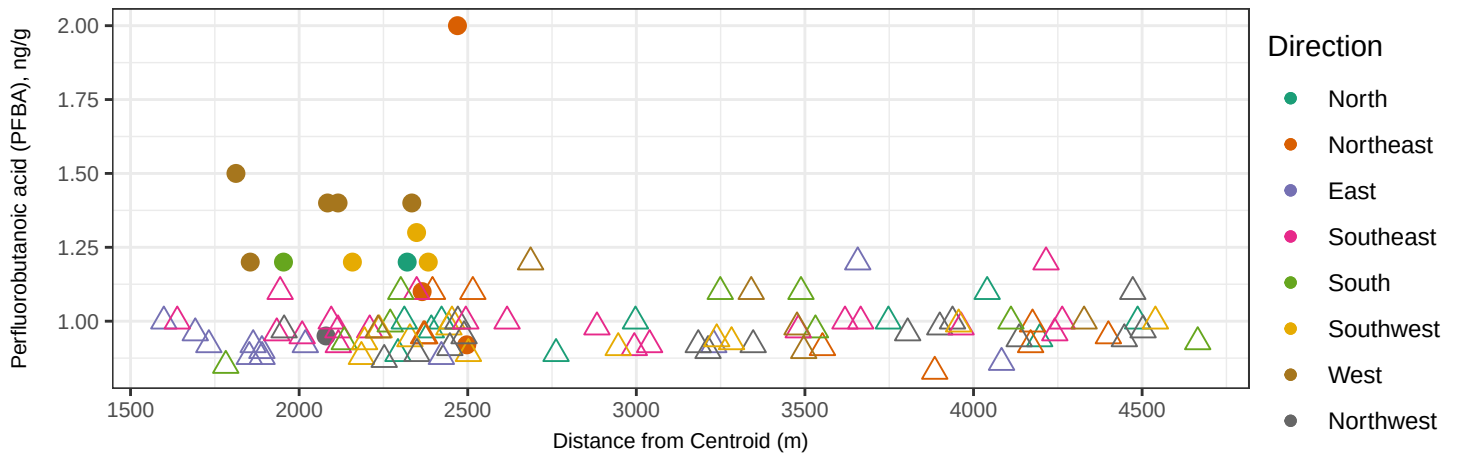
Southeast trendlines are logarithmic lines of best fit with the lm smoothing method, and were generated using the stat_smooth function from the ggplot2 package in R Studio. Southeast trend lines are only included for sample intervals with at least 50% detections frequency .

Perfluorobutanoic acid (PFBA)

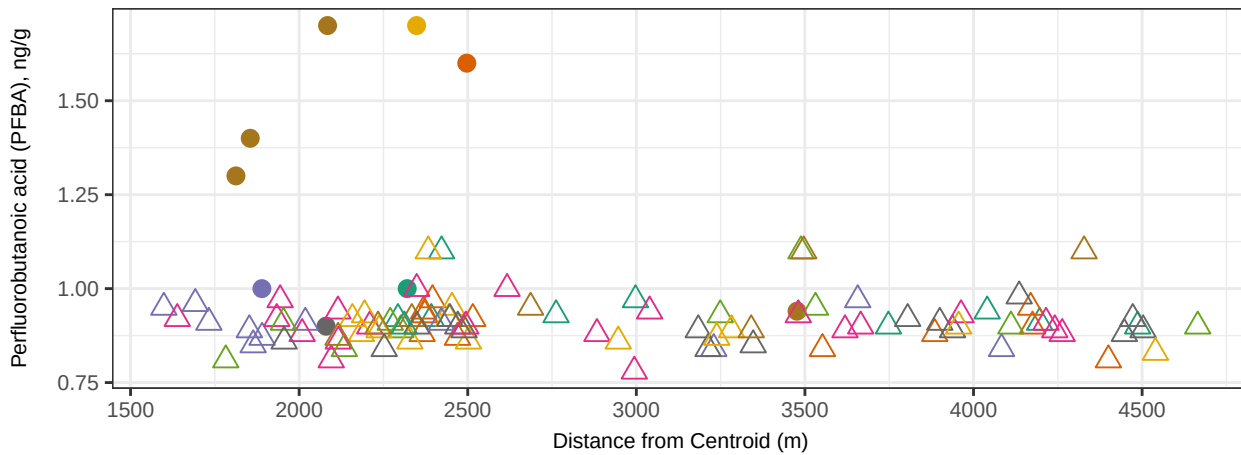
Surface Soil (0 – 0.17 feet)



Near Surface Soil (0.17 – 1 foot)



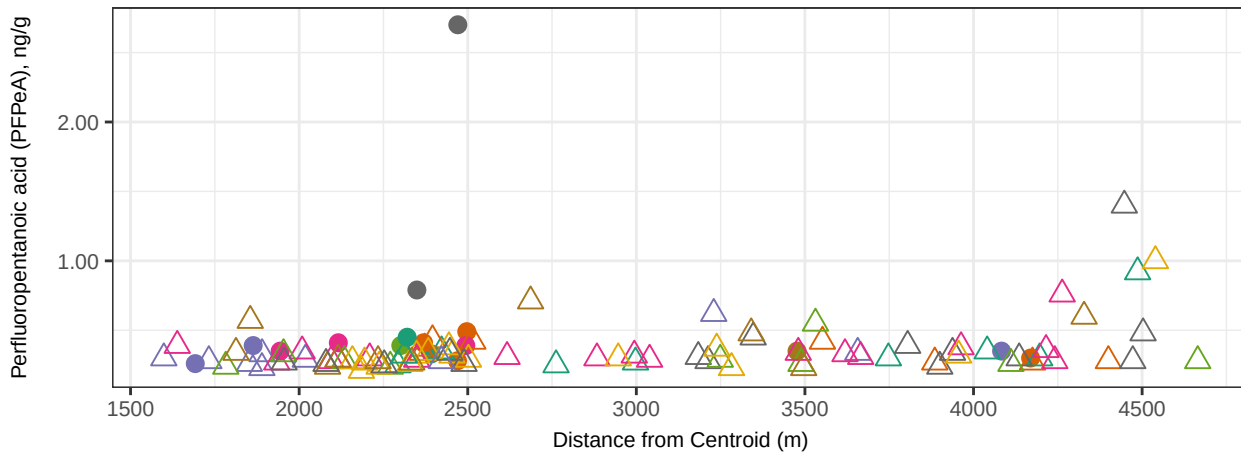
Sub-Surface Soil (1 – 2 feet)



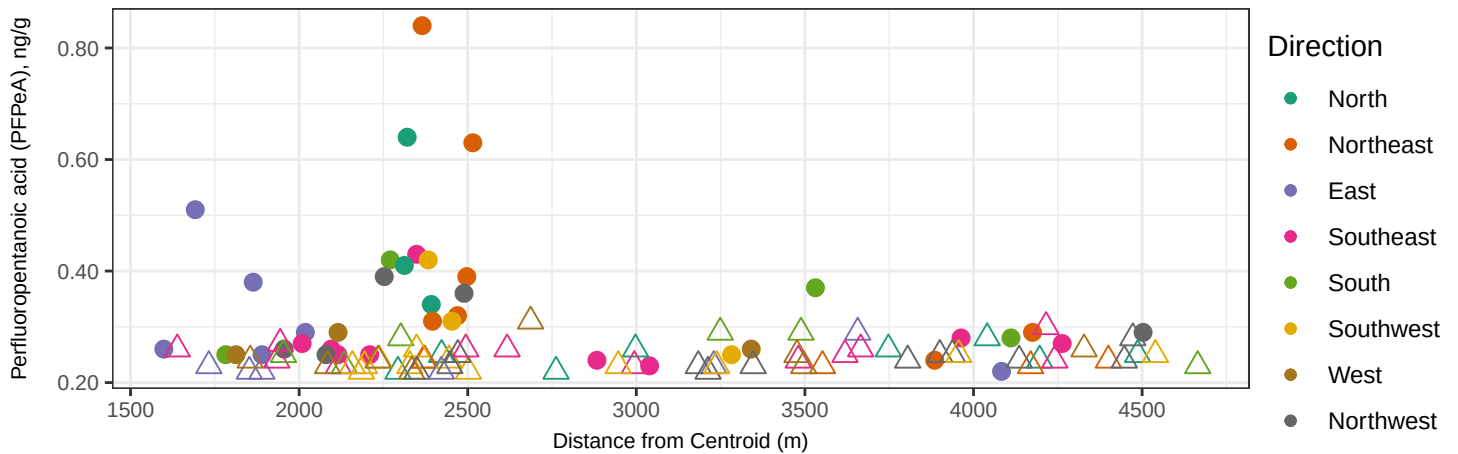
• Detected Value △ Non-Detect Value

Perfluoropentanoic acid (PFPeA)

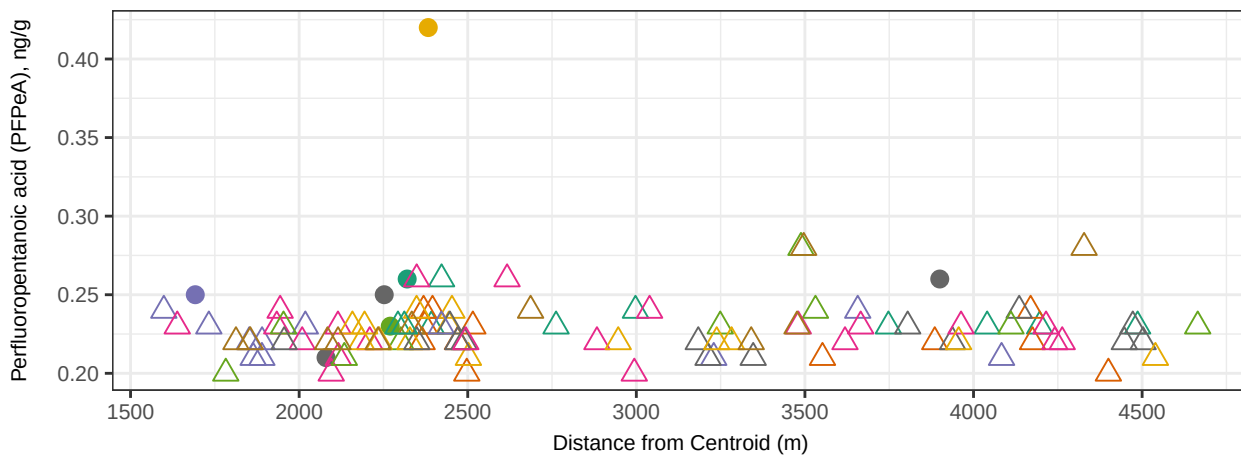
Surface Soil (0 – 0.17 feet)



Near Surface Soil (0.17 – 1 foot)

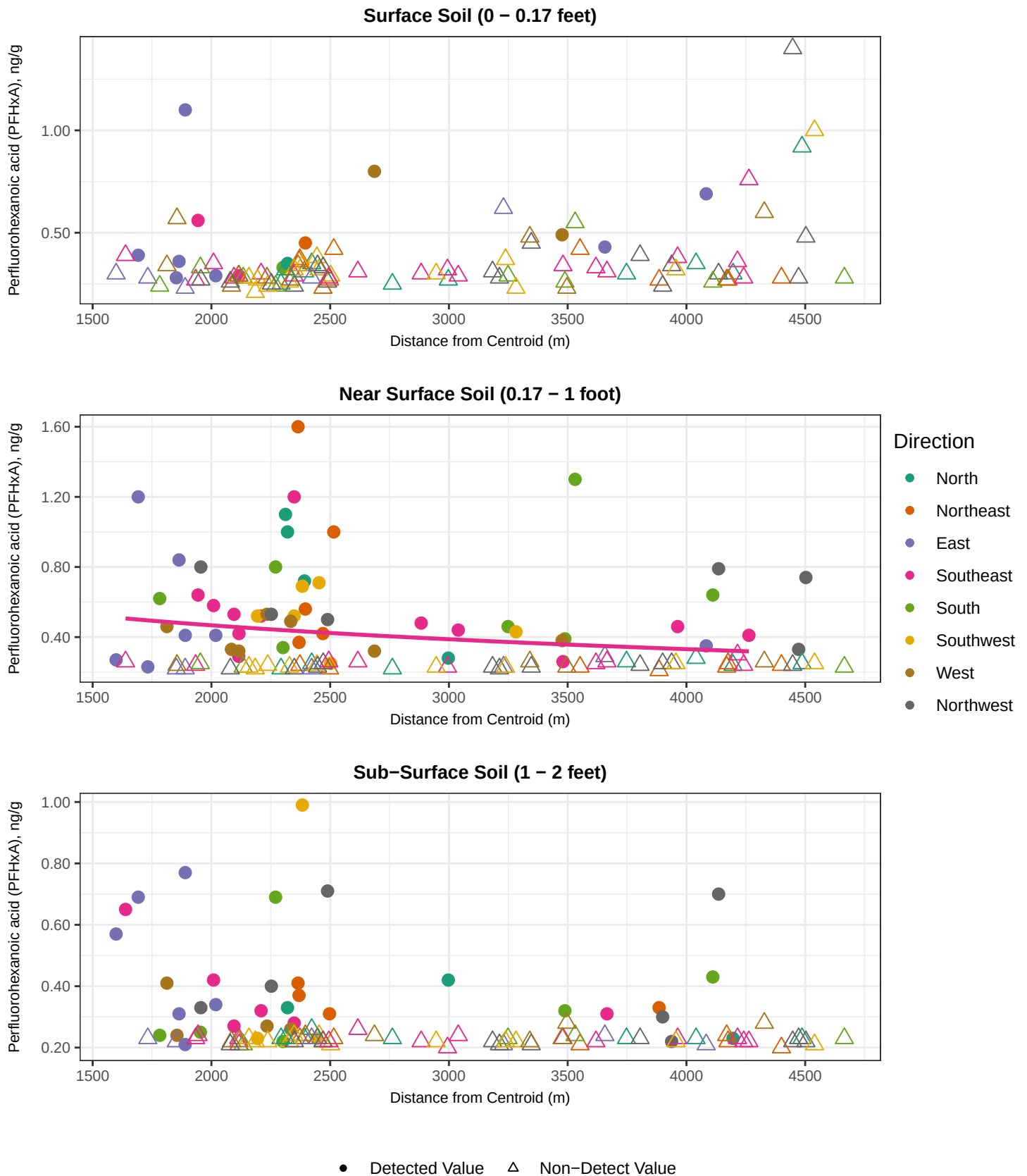


Sub-Surface Soil (1 – 2 feet)



● Detected Value △ Non-Detect Value

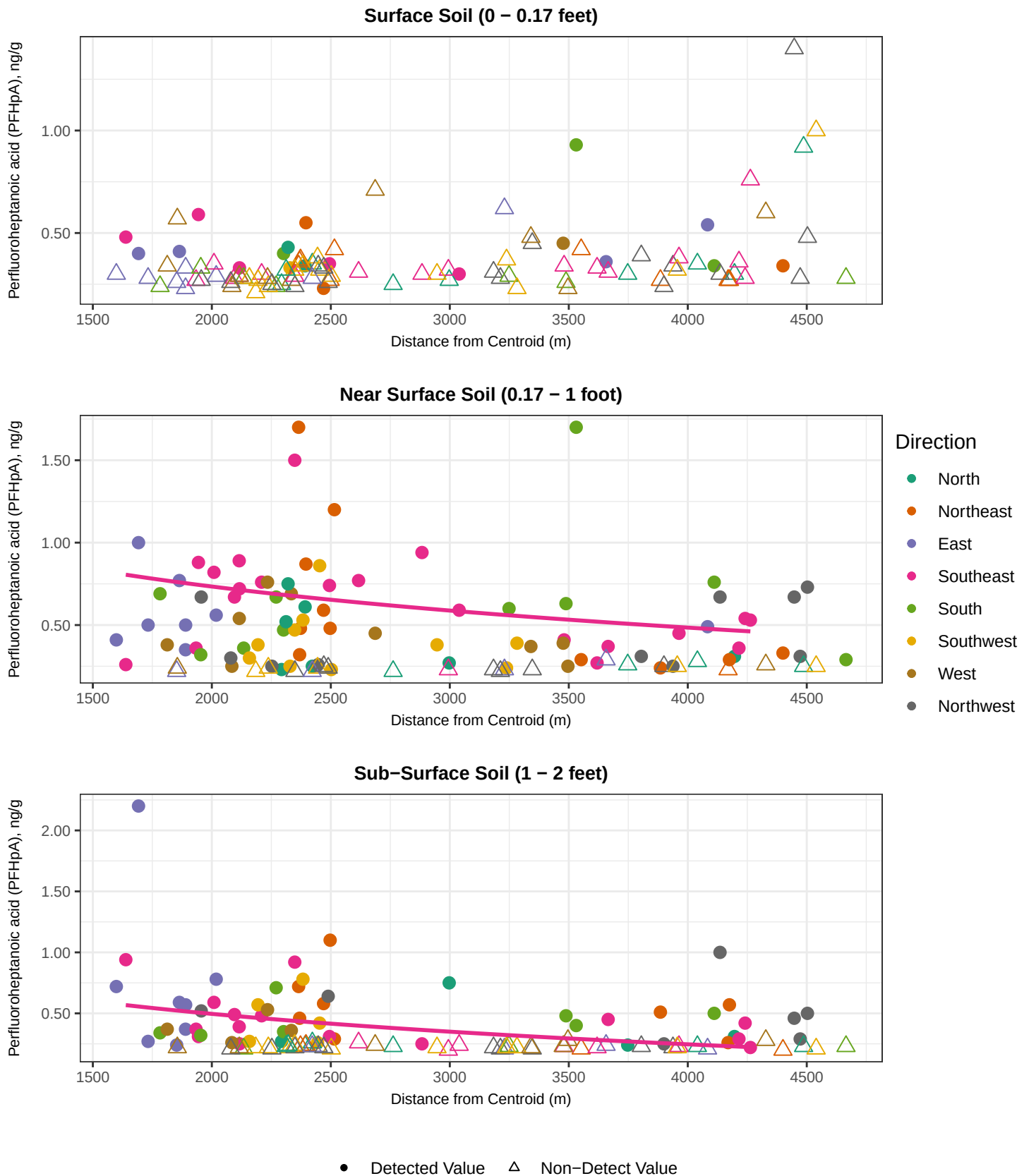
Perfluorohexanoic acid (PFHxA)



Southeast trendlines are logarithmic lines of best fit with the lm smoothing method, and were generated using the stat_smooth function from the ggplot2 package in R Studio. Southeast trend lines are only included for sample intervals with at least 50% detections frequency .

*

Perfluoroheptanoic acid (PFHpA)

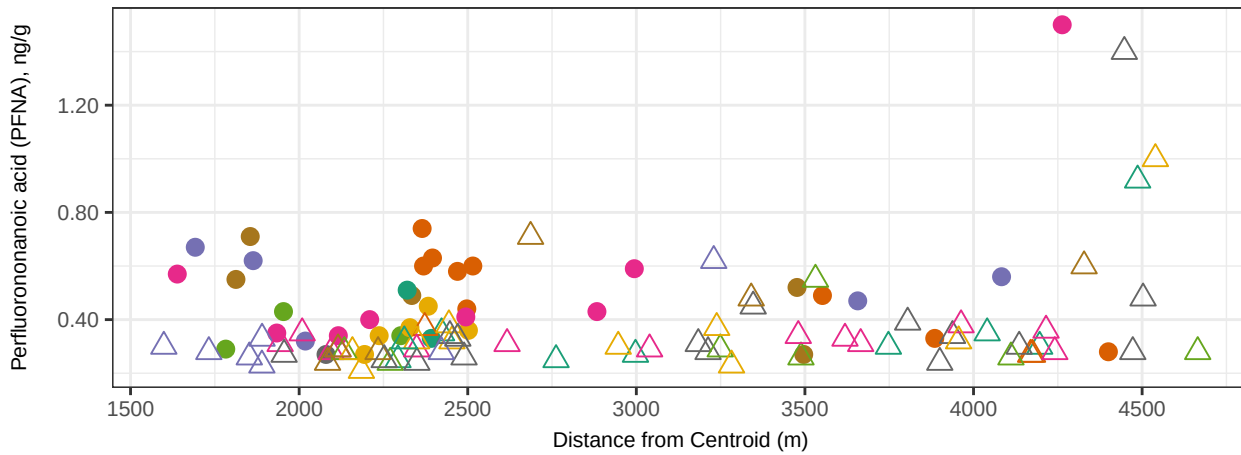


Southeast trendlines are logarithmic lines of best fit with the `lm` smoothing method, and were generated using the `stat_smooth` function from the `ggplot2` package in R Studio. Southeast trend lines are only included for sample intervals with at least 50% detections frequency .

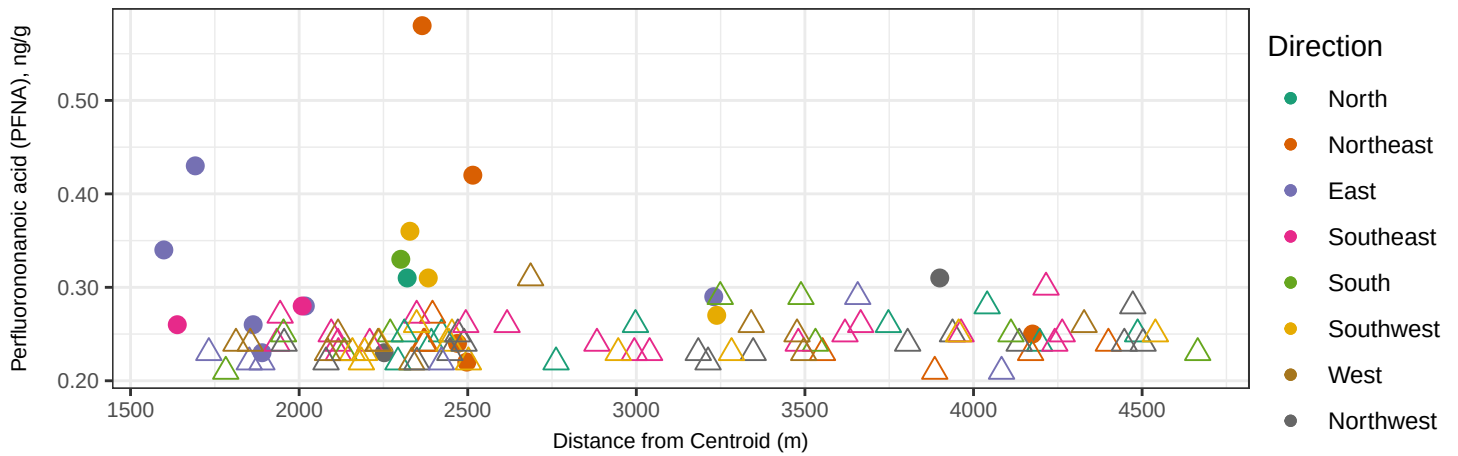
*

Perfluorononanoic acid (PFNA)

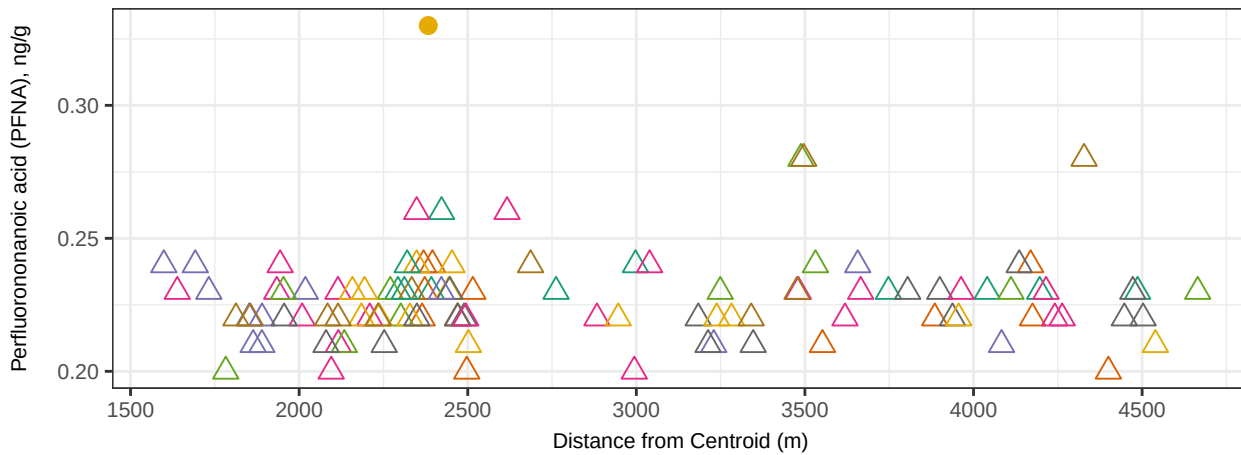
Surface Soil (0 – 0.17 feet)



Near Surface Soil (0.17 – 1 foot)

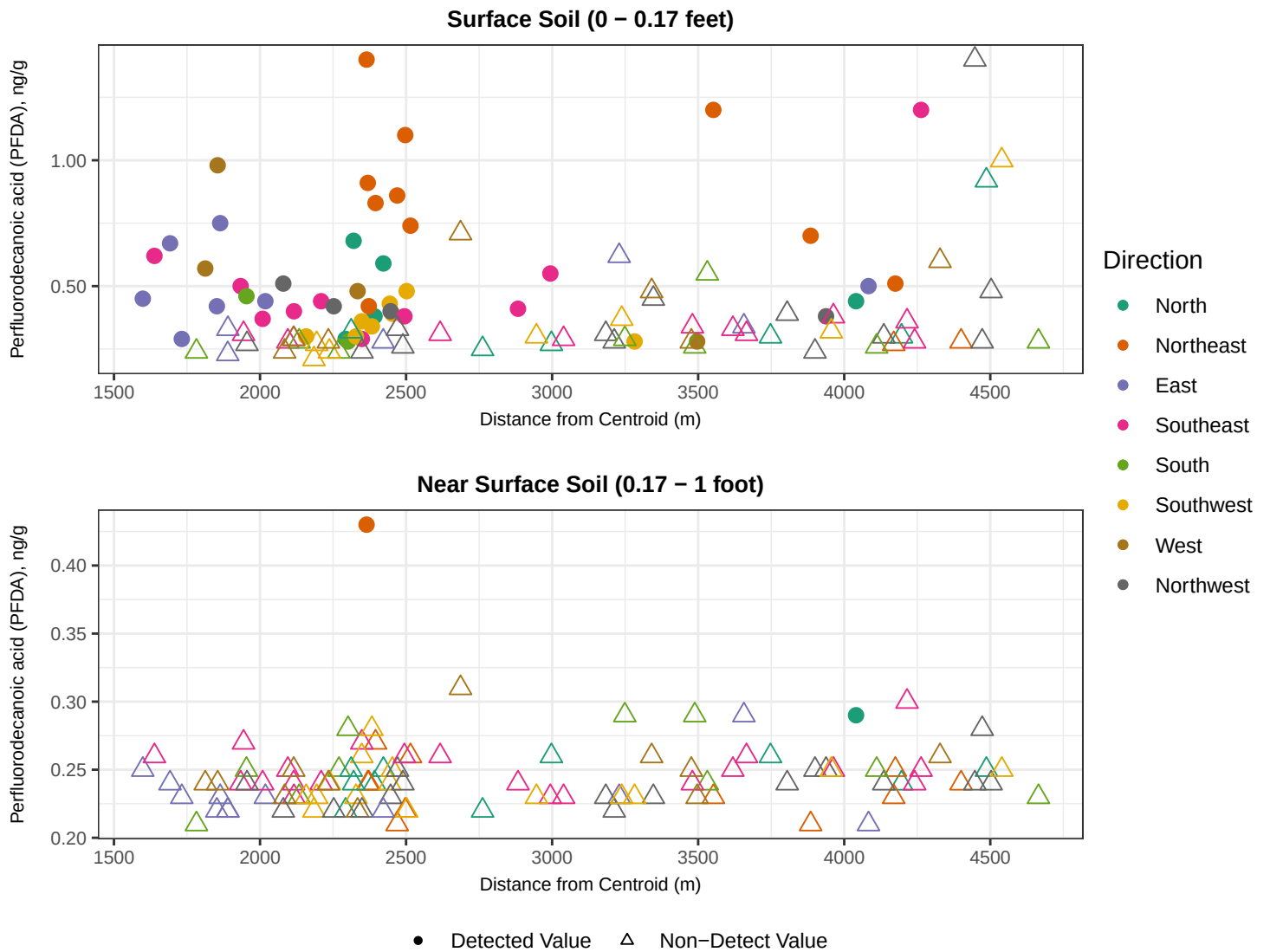


Sub-Surface Soil (1 – 2 feet)

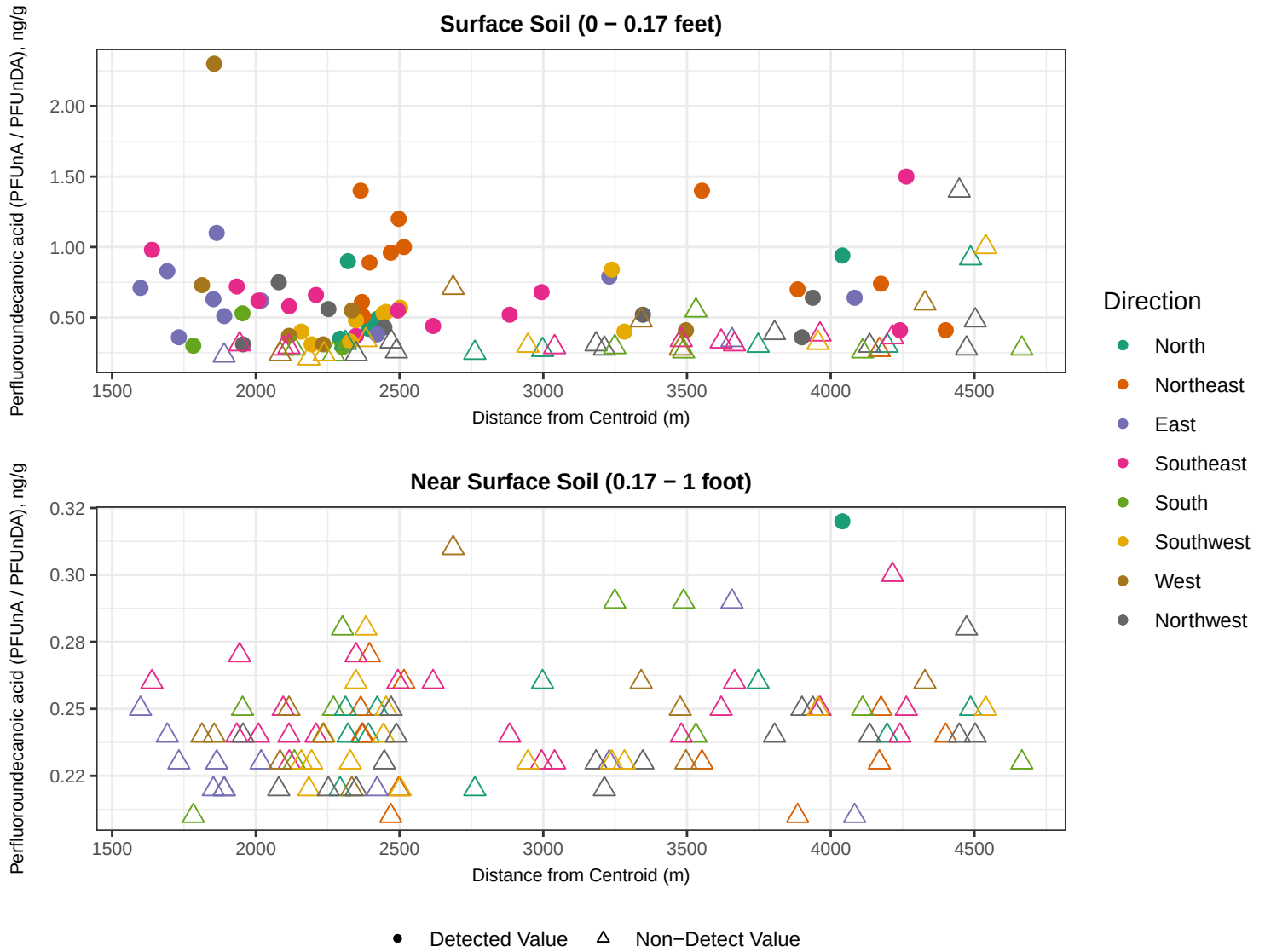


• Detected Value △ Non-Detect Value

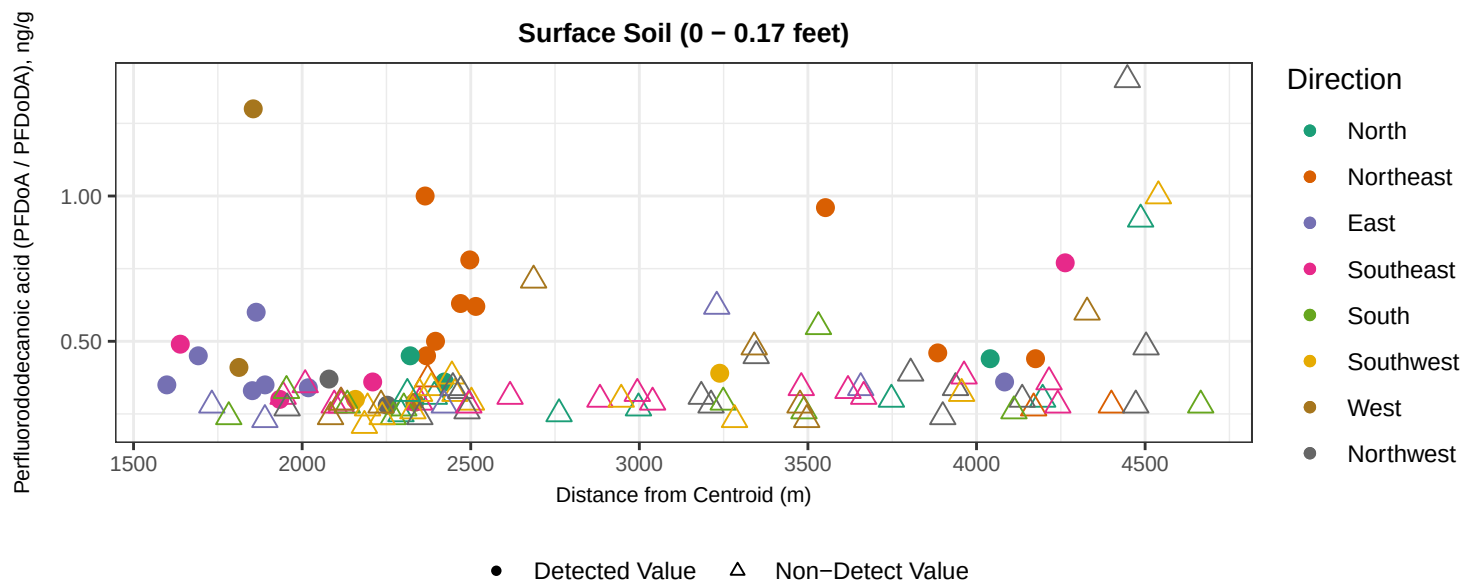
Perfluorodecanoic acid (PFDA)



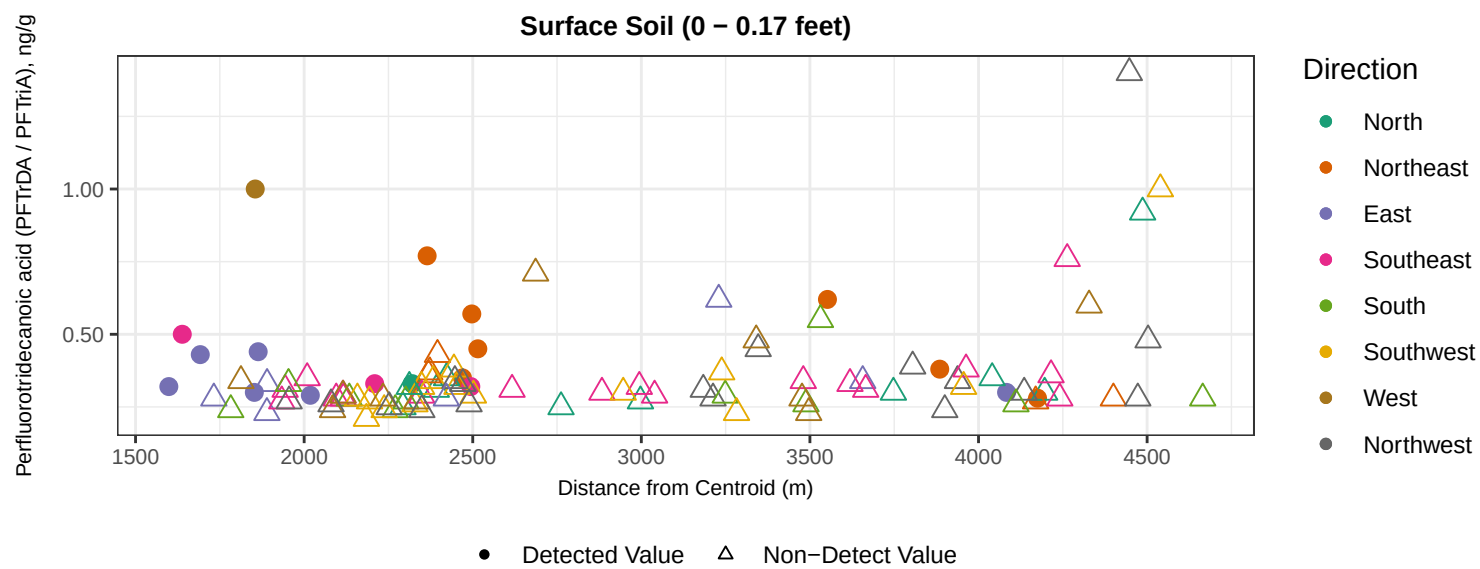
Perfluoroundecanoic acid (PFUnA / PFUnDA)



Perfluorododecanoic acid (PFDoA / PFDoDA)



Perfluorotridecanoic acid (PFTrDA / PFTriA)



Appendix D

Upwind versus Downwind Comparison

Figure D1: Upwind vs Downwind PFOA

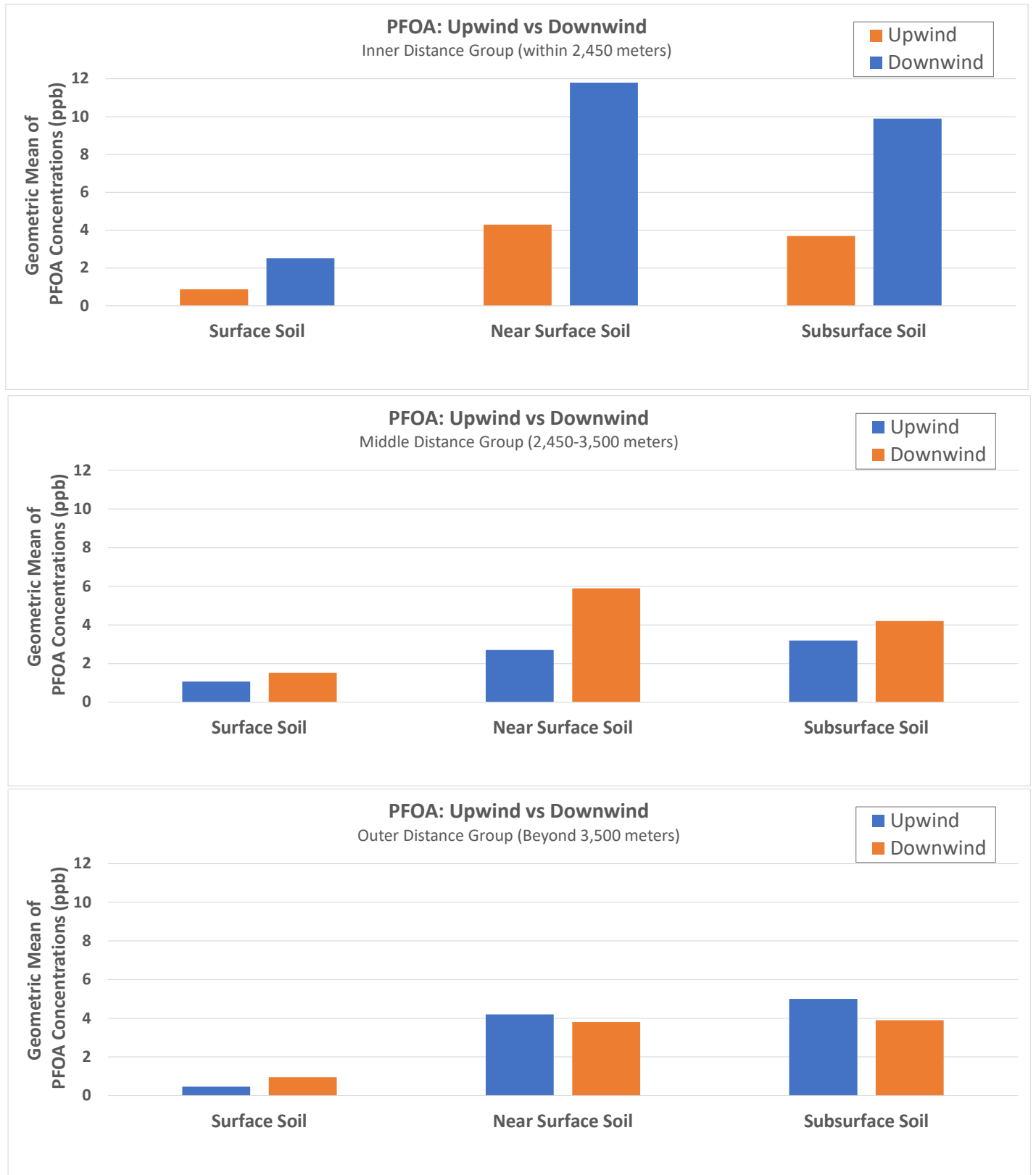


Figure D2: Upwind vs Downwind PFOS

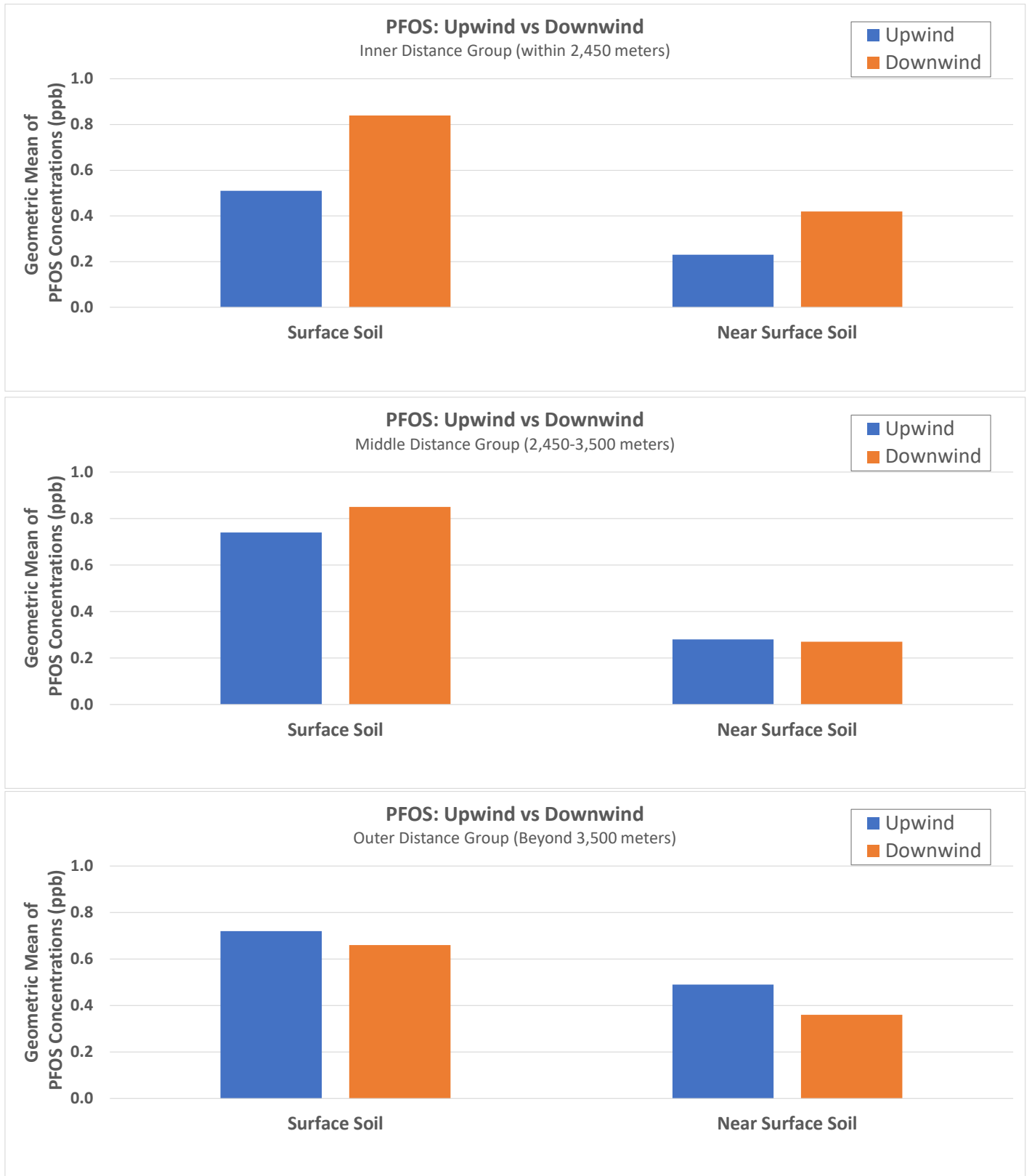


Figure D3: Upwind vs Downwind PFHpA

