Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/County: Ful	ltonville, Montgomery	Sampling Date	: 2020-Nov-11
Applicant/Owner: ConnectGe	n	State: NY	Sampling Point:	W-KCF-19_PEM-1
Investigator(s): Kevin Ferguso	n , Jay Kaminski	Section, Township,	Range: N/A	
Landform (hillslope, terrace, etc.	): Swale	Local relief (concave, conv	ex, none): Concave	<b>Slope (%):</b> 2 to 5
Subregion (LRR or MLRA):	MLRA 144A of LRR R	Lat: 42.88013571	Long: -74.3750983	Datum: WGS84
Soil Map Unit Name: Ilion silt	loam, 3 to 8 percent slopes		NWI classifi	cation: None
Are climatic/hydrologic condition	ns on the site typical for this time of y	rear? Yes <u>√</u> No	(If no, explain in Rema	arks.)
Are Vegetation, Soil,	or Hydrology significantly d	disturbed? Are "Norma	al Circumstances" present?	Yes _ <b>✓</b> No
Are Vegetation, Soil,	or Hydrology naturally prol	blematic? (If needed,	explain any answers in Rem	narks.)
Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present?	Attach site map showing sample:  Yes _ No Yes _ No Yes _ No Yes _ No Occedures here or in a separate report	Is the Sampled Area withi	n a Wetland?	res, etc.  Yes No  W-KCF-19
HVDPOLOGY				
HYDROLOGY				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of	f one is required; check all that apply	1	Secondary Indicators (mini	mum of two required)
Surface Water (A1)	Water-Stained Le	22/05 (RQ)	Surface Soil Cracks (B6)	
Surface Water (A1) High Water Table (A2)	Aquatic Fauna (B		<u>✓</u> Drainage Patterns (B10)	)
✓ Saturation (A3)	Marl Deposits (B		Moss Trim Lines (B16)	
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table	e (C2)
Sediment Deposits (B2)	, ,	oheres on Living Roots (C3)	Crayfish Burrows (C8)	
Drift Deposits (B3)	Presence of Red	_	Saturation Visible on Ae	
Algal Mat or Crust (B4)		uction in Tilled Soils (C6)	Stunted or Stressed Pla	
Iron Deposits (B5)	Thin Muck Surfa		Geomorphic Position (D	02)
Inundation Visible on Aerial			Shallow Aquitard (D3)	(
Sparsely Vegetated Concave	Surface (B8)		✓ Microtopographic Relie	r (D4)
Field Observations:			FAC-Neutral Test (D5)	
Field Observations: Surface Water Present?	Vos No ( Dont	h (inchas):		
	,	h (inches):		12. Vez Ne
Water Table Present?	•	h (inches): 2	Wetland Hydrology Presen	t? Yes No
Saturation Present?	Yes _ V No Depti	h (inches): 0		
(includes capillary fringe)				
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	os, previous inspections), if a	available:	
Remarks:				
The criterion for wetland hydrol	ogy is met.			
, , ,				

	Absolute	Dominant	Indicator	Dominance Test works	neet:		
Tree Stratum (Plot size: <u>30 ft</u> ) 1.	% Cover	Species?	Status	Number of Dominant S Are OBL, FACW, or FAC		5	(A)
2.				Total Number of Domir	nant Species	6	(D)
3.				Across All Strata:			(B)
  .				Percent of Dominant S	pecies That	83.3	(A/B)
5.				Are OBL, FACW, or FAC			
5.				Prevalence Index works	sheet:		
7.				Total % Cover		Multiply B	-
-		= Total Cove	er e	OBL species	25	x 1 =	25
Sapling/Shrub Stratum (Plot size: 15 ft )				FACW species	15	x 2 =	30
				FAC species	0	x 3 =	0
·				FACU species	5	x 4 =	20
·				- UPL species	0	x 5 =	0
· I.				- Column Totals	45	(A)	75 (B)
··				Prevalence Ir	idex = B/A =	1.7	
5.				Hydrophytic Vegetation	Indicators:		
7.				1- Rapid Test for H	łydrophytic V	egetation	
·		= Total Cove		2 - Dominance Te	st is >50%		
Louis Church une (Diet eines Eff. )		_ TOTAL COVE	21	3 - Prevalence Ind	ex is ≤ $3.0^{1}$		
Herb Stratum (Plot size: 5 ft )	20	Vos	OBL	4 - Morphological	Adaptations <sup>1</sup>	(Provide s	upporting
Lythrum salicaria		Yes	OBL	data in Remarks or on	a separate sh	eet)	
2. Cornus alba	5	Yes	FACW	- Problematic Hydr	ophytic Vege	tation¹ (Exp	lain)
3. Equisetum palustre	5	Yes	FACW	- ¹Indicators of hydric so		, 0.	y must be
4. Onoclea sensibilis	5	Yes	FACW	present, unless disturb	ed or probler	natic	
5. Taraxacum officinale	5	Yes	FACU	Definitions of Vegetation			
6. <i>Typha angustifolia</i>	5	Yes	OBL	Tree – Woody plants 3 i			ameter at
7				breast height (DBH), re			
3				Sapling/shrub - Woody			3H and
9				greater than or equal to			
10				Herb – All herbaceous ( size, and woody plants			ardiess of
11				Woody vines – All wood			Q ft in
12				height.	iy viries great	er triair 3.2	.0 11 111
	45	= Total Cove	er			, , ,	
Noody Vine Stratum (Plot size: <u>30 ft</u> )				Hydrophytic Vegetatio	n Present? \	es No	)
				-			
l				-			
				ı			
2.				=			
1				-			

Profile Desc	cription: (Describe	to the	depth needed to d	locun	nent the	indicato	r or confirm the a	absence of indicato	ors.)
Depth	Matrix		Redox						
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Text	ture	Remarks
0 - 6	10YR 3/2			_			Silty Cla	ay Loam	
6 - 14	10YR 3/2	80	10YR 4/6	20	C	M	Silty Cla		
							-		
		- —					-		
							-		
¹Type: C = C	oncentration, D =	 Deplet	ion, RM = Reduce	d Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> L	Location: PL = Pore	Lining, M = Matrix.
Hydric Soil			·						roblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Be	low S	Surface (S	8) <b>(LRR</b>	R. MLRA 149B)		•
	oipedon (A2)		Thin Dark Su						(A10) (LRR K, L, MLRA 149B)
Black Hi	•		Loamy Muck						e Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	-		. ,	•		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					Dark Surfac	
Deplete	d Below Dark Surfa	ace (A1							elow Surface (S8) <b>(LRR K, L)</b> urface (S9) <b>(LRR K, L)</b>
Thick Da	ark Surface (A12)		Depleted Da	rk Su	rface (F7	)			
Sandy M	lucky Mineral (S1)		Redox Depr	ession	ns (F8)			_	nese Masses (F12) (LRR K, L, R)
Sandy G	ileyed Matrix (S4)								loodplain Soils (F19) (MLRA 149B)
Sandy R	edox (S5)								ic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Stripped	d Matrix (S6)							Red Parent	
Dark Su	rface (S7) (LRR R, M	ILRA 1	49B)					•	w Dark Surface (TF12)
								Other (Expla	
3Indicators	of hydrophytic veg	etation	n and wetland hyd	rolog	y must b	e preser	nt, unless disturbe	ed or problematic.	
Restrictive I	_ayer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes/_ No
	Depth (inches):								
Remarks:									
A positive ir	ndication of hydric	soil wa	as observed. Refus	al du	e to coar	se fragn	nents.		
'	,					Ü			

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery	Sampling Date: 2020-Nov-11		
Applicant/Owner: ConnectGer	1		State: NY		Sampling Point: W-KC	F-19_UPL-1
Investigator(s): Kevin Fergusor	າ , Jay Kaminski		Section, Township,	Range: N/	A	
Landform (hillslope, terrace, etc.)	: Hillslope		Local relief (concave, conv	ex, none):	Convex	<b>Slope (%):</b> 2 to 5
Subregion (LRR or MLRA):	ILRA 144A of LRR R		Lat: 42.88023218	Long:_	-74.37500906	Datum: WGS84
Soil Map Unit Name: Ilion silt	oam, 3 to 8 percent	slopes			NWI classification	n: None
Are climatic/hydrologic condition	s on the site typical	for this time of ye	ar? Yes 🟒 No	(If no,	, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology _	significantly dis	sturbed? Are "Norm	al Circumsta	ances" present?	Yes No
Are Vegetation, Soil,	or Hydrology _	naturally probl	lematic? (If needed,	explain any	answers in Remarks.	)
SUMMARY OF FINDINGS – <i>F</i>	uttach cita man c	howing campli	ng noint locations, tran	acocto im	portant foatures	ntc.
Hydrophytic Vegetation Present		No⁄_	 	isects, iiii	portant reatures, e	
Hydric Soil Present?		No	Is the Sampled Area withi	n a Wetland	ł? Yes	No⁄_
			ì		. 103	NO
Wetland Hydrology Present?  Remarks: (Explain alternative pr		No	If yes, optional Wetland Si	ite ID:	<u> </u>	
HYDROLOGY Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; ch	eck all that apply)		-	Indicators (minimum	of two required)
Surface Water (A1)		Water-Stained Lea	aves (B9)		e Soil Cracks (B6)	
High Water Table (A2)		Aquatic Fauna (B1			ge Patterns (B10)	
Saturation (A3)		Marl Deposits (B1	5)		rim Lines (B16) ason Water Table (C2)	
Water Marks (B1)		Hydrogen Sulfide		-	h Burrows (C8)	
Sediment Deposits (B2)			neres on Living Roots (C3)	-	tion Visible on Aerial Ir	magery (C9)
Drift Deposits (B3)		Presence of Redu	· ·		d or Stressed Plants (D	
Algal Mat or Crust (B4)			ction in Tilled Soils (C6)	Geomo	orphic Position (D2)	
Iron Deposits (B5)		Thin Muck Surface		Shallow	v Aquitard (D3)	
Inundation Visible on Aerial   Sparsely Vegetated Concave		Other (Explain in I	Remarks)		opographic Relief (D4)	
sparsely vegetated concave				FAC-Ne	eutral Test (D5)	
Field Observations:						
Surface Water Present?	Yes No _	•	(inches):	-		
Water Table Present?	Yes No _ <b>.</b>	∠ Depth	(inches):	Wetland H	lydrology Present?	Yes No <b>_</b> ✓
Saturation Present?	Yes No _	∠ Depth	(inches):	_		
(includes capillary fringe)						
Remarks: The criterion for wetland hydrol		well, aerial photo	s, previous inspections), if a	available:		

				T		1
<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species The	n+	
1.	70 COVE	3pecies:	Status	Are OBL, FACW, or FAC:	0	(A)
2.				Total Number of Dominant Speci	es	(D)
3.				Across All Strata:	1 	(B)
4.				Percent of Dominant Species Tha	t <b>0</b>	(A/B)
5.				Are OBL, FACW, or FAC:		(A/B)
6.				Prevalence Index worksheet:		
7.				<u>Total % Cover of:</u>	<u>Multiply</u>	<u>By:</u>
···	0	= Total Cov	er	OBL species 0	_ x1=	0
Sapling/Shrub Stratum (Plot size:15 ft)		·	Ci	FACW species 0	x 2 =	0
1.				FAC species 0	x 3 =	0
2.				FACU species 100	x 4 =	400
3.				UPL species 0	x 5 =	0
-				Column Totals 100	(A)	400 (B)
4				Prevalence Index = B/A	=4	
5				Hydrophytic Vegetation Indicator	s:	
6				1- Rapid Test for Hydrophyt	c Vegetation	n
7				2 - Dominance Test is > 50%	_	
	0	= Total Cov	er	3 - Prevalence Index is ≤ 3.0	<b>j</b> 1	
Herb Stratum (Plot size: <u>5 ft</u> )				4 - Morphological Adaptatio	ns¹ (Provide	supporting
1. Dactylis glomerata	95	Yes	FACU	data in Remarks or on a separate	sheet)	
2. Taraxacum officinale	5	<u>No</u>	FACU	Problematic Hydrophytic Ve	getation¹ (Ex	xplain)
3				<sup>1</sup> Indicators of hydric soil and wet	and hydrolo	gy must be
4				present, unless disturbed or prob	lematic	
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm	or more in	diameter at
7				breast height (DBH), regardless o	f height.	
8				Sapling/shrub – Woody plants les		DBH and
9				greater than or equal to 3.28 ft (1		
10				Herb – All herbaceous (non-wood		gardless of
11				size, and woody plants less than		
12				Woody vines – All woody vines gr	eater than 3	.28 ft in
	100	= Total Cov	er	height.		
Woody Vine Stratum (Plot size: 30 ft )		-		Hydrophytic Vegetation Present	Yes N	Vo <u> </u>
1						
2						
3.						
4.						
	0	= Total Cov	er			
Remarks: (Include photo numbers here or on a separat	o choot )	<u> </u>		_		
No positive indication of hydrophytic vegetation was ob		E004 of dom	sinant chocic	os indoved as EAC- or drier)		
no positive indication of flydrophytic vegetation was or	iserveu (≥	30% OF UOIT	illiant specie	es indexed as FAC- of differ).		

	•	to the d	•			ndicator	or confirm the a	bsence of indicators.)		
Depth (inches)	Matrix	04	Redo:			1002	Tout			Domarko
(inches) 0 - 1	Color (moist) 10YR 3/2	<u>%</u> 100	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Text Fibric			Remarks
1 - 12	10YR 4/2									
12 - 20	10YR 5/2	100 70	10R 4/6	20			Silty Cla			
12 - 20	1018 5/2	70	108 4/6	30	C	<u>M</u>	Silty	Clay		
		·								
		- —								
				- —						
				- —						
¹Type: C = 0	Concentration, D =	Depletion	on, RM = Reduced	d Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> L	ocation: PL = Pore Lin	ing, M	= Matrix.
Hydric Soil	Indicators:							Indicators for Probl	ematic	Hydric Soils³:
Histoso			-				R, MLRA 149B)	2 cm Muck (A10	(LRR I	K, L, MLRA 149B)
	pipedon (A2)		Thin Dark Su					Coast Prairie Re		
	istic (A3)		Loamy Muck	-		(LRR K, L	.)	5 cm Mucky Pea	t or Pe	eat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye					Dark Surface (S	7) <b>(LRR</b>	K, L)
	ed Layers (A5) ed Below Dark Surf	(	Depleted Ma					Polyvalue Belov	Surfac	ce (S8) <b>(LRR K, L)</b>
	ark Surface (A12)	ace (ATI	Depleted Da					Thin Dark Surfa	ce (S9)	(LRR K, L)
	Mucky Mineral (S1)		Redox Depre					Iron-Manganese	Masse	es (F12) <b>(LRR K, L, R)</b>
	Gleyed Matrix (S4)		Redox Depri	233101	13 (10)			Piedmont Flood	plain S	oils (F19) <b>(MLRA 149B)</b>
-	Redox (S5)							Mesic Spodic (Ta	46) <b>(ML</b>	RA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent Mat		
		ALDA 14	OD)					Very Shallow Da		
Dark St	urface (S7) <b>(LRR R, N</b>	VILKA 14	וספי					Other (Explain i	n Rema	arks)
3Indicators	of hydrophytic veg	getation	and wetland hyd	rolog	y must be	e presen	t, unless disturbe	d or problematic.		
Restrictive	Layer (if observed)	:								
	Type:		None			Hydric	Soil Present?	Ye	s	No
	Depth (inches):			_						
Remarks:										
	indication of hydr	ic soils v	was observed.							

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/County:_Ful-	tonville, Montgomery	Sampling Date: 2020-Nov-11		
Applicant/Owner: ConnectGer	n	State: NY	San	npling Point: W-KCF	-20_PEM-1
Investigator(s): Kevin Ferguson	າ , Jay Kaminski	Section, Township,	Range: N/A		
Landform (hillslope, terrace, etc.)	): Swale	Local relief (concave, conv	<b>ex, none):</b> Co	ncave	Slope (%): 1 to 3
Subregion (LRR or MLRA):	MLRA 144A of LRR R	Lat: 42.88140395	Long:74	1.37556216	Datum: WGS84
Soil Map Unit Name: Appletor	າ silt loam, 3 to 8 percent slopes			NWI classification:	None
Are climatic/hydrologic conditior	ns on the site typical for this time of y	ear? Yes 🟒 No	(If no, ex	(plain in Remarks.)	
Are Vegetation 🟒, Soil,	or Hydrology significantly d	isturbed? Are "Norma	al Circumstand	es" present? Ye	es No
Are Vegetation, Soil,	or Hydrology naturally prob	olematic? (If needed,	explain any ar	nswers in Remarks.)	
SUMMARY OF FINDINGS – A	Attach site map showing sampl	ing point locations, trar	nsects, impo	rtant features, et	tc.
Hydrophytic Vegetation Present			<u> </u>		
		la de a Cananda d'Anna a caideir	14/-4112	V	c. No.
Hydric Soil Present?	Yes No	Is the Sampled Area within		Yes	<u> </u>
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	ite ID:	W-KC	F-20
Remarks: (Explain alternative pr	ocedures here or in a separate repor	t)			
Covertype is PEM. Area is wetlar	nd, all three wetland parameters are	present. Circumstances are	not normal du	ue to mowing of veg	etation.
INDDOLOGY					
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of	one is required; check all that apply)	1	Secondary Inc	dicators (minimum c	of two required)
•			-	oil Cracks (B6)	
Surface Water (A1)	Water-Stained Le			Patterns (B10)	
✓ High Water Table (A2)	Aquatic Fauna (B		_	n Lines (B16)	
✓ Saturation (A3)	Marl Deposits (B		Dry-Seaso	on Water Table (C2)	
Water Marks (B1)	Hydrogen Sulfide		Crayfish B	Burrows (C8)	
Sediment Deposits (B2)		oheres on Living Roots (C3)	Saturation	n Visible on Aerial Im	agery (C9)
Drift Deposits (B3)	Presence of Redu	· ·	Stunted o	r Stressed Plants (D1	1)
Algal Mat or Crust (B4)		uction in Tilled Soils (C6)	_ <b>∠</b> Geomorpl	hic Position (D2)	
Iron Deposits (B5)	Thin Muck Surfac		Shallow A	quitard (D3)	
Inundation Visible on Aerial Sparsely Vegetated Concave		Remarks)	_✓ Microtopo	ographic Relief (D4)	
sparsely vegetated Coricave	Surface (Bo)		<u></u> ✓ FAC-Neutr	ral Test (D5)	
Field Observations:					
Surface Water Present?	Yes No _ <b>_/</b> Depth	h (inches):			
Water Table Present?	Yes No Depth	h (inches): 6	Wetland Hydi	rology Present?	Yes No
Saturation Present?	Yes _ <b>✓</b> _ No Depth	h (inches): 0			
(includes capillary fringe)			-		
			1		<del>-</del> -
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	os, previous inspections), if a	available:		
Remarks:					
The criterion for wetland hydrol	ogy is met.				
	-8)				

Tree Stratum (Plot size: 30 ft )		Dominant Species?	Indicator Status	Dominance Test worksho Number of Dominant Sp		2	(A)
1 2.				Are OBL, FACW, or FAC: Total Number of Domina	ant Species	2	(B)
3.				Across All Strata:	: Th+		
4				Percent of Dominant Speare OBL, FACW, or FAC:	ecies That	100	(A/B)
5				Prevalence Index worksh	neet:		<del></del>
6				Total % Cover o		Multiply I	Bv:
7				OBL species	0	x 1 =	0
	0	= Total Cov	ver .	FACW species	30	x 2 =	60
Sapling/Shrub Stratum (Plot size: 15 ft )				FAC species	10	x 3 =	30
1				FACU species	10	x 4 =	40
2				UPL species	0	x 5 =	0
3.				Column Totals	50	(A)	130 (B)
4				Prevalence Inc		2.6	150 (5)
5				Hydrophytic Vegetation			<del></del>
6				1- Rapid Test for Hy		logotation	
7				2 - Dominance Test		egetation	
	0	= Total Cov	ver .	✓ 3 - Prevalence Inde			
Herb Stratum (Plot size:5 ft)				4 - Morphological A		(Provide s	supporting
1. <i>Phalaris arundinacea</i>	30	Yes	FACW	data in Remarks or on a			supporting
2. Festuca paradoxa	10	Yes	FAC	Problematic Hydro	-		nlain)
3. Dactylis glomerata	5	No	FACU	¹Indicators of hydric soil			•
4. Taraxacum officinale	5	No	FACU	present, unless disturbe			,,
5.				Definitions of Vegetation			
6.				Tree – Woody plants 3 in		more in c	liameter at
7.				breast height (DBH), reg			
8.				Sapling/shrub - Woody p		_	BH and
9.				greater than or equal to	3.28 ft (1 m	) tall.	
10.				Herb – All herbaceous (n	on-woody)	plants, reg	ardless of
11.				size, and woody plants le	ess than 3.2	8 ft tall.	
12.				Woody vines – All woody	vines great	er than 3.	28 ft in
	50	= Total Cov	/er	height.			
Woody Vine Stratum (Plot size: 30 ft )		_		Hydrophytic Vegetation	Present?	∕es <u> </u>	0
1.							
2							
3.				•			
4.				•			
	0	= Total Cov	ıor	•			
Remarks: (Include photo numbers here or on a separat A positive indication of hydrophytic vegetation was obs		0% of domin	nant species	indexed as OBL, FACW, or	FAC).		

Profile Desc Depth	ription: (Describe Matrix	to the	depth needed to o			indicato	r or confirm the a	absence of indicate	ors.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Text	ture	Remarks
1 - 14	10YR 3/1	90	10YR 4/6	10		M	Silty Cla		Remarks
				. —				.,	
				- —			-		
							•	-	
							•	-	
							•	-	
				- —			-		
				- —			-		
				- —			-		
			-				-		
			-						
¹Type: C = C	Concentration, D =	 Deplet	ion. RM = Reduce	d Mat	rix. MS =	Masked	Sand Grains 21	ocation: PL = Pore	e Lining, M = Matrix.
Hydric Soil		Б ср.сс		<u> </u>	,		54.14 6.4.1.5.		roblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Be	elow S	Surface (S	8) <b>(LRR</b>	R, MLRA 149B)		•
	oipedon (A2)		Thin Dark Su						(A10) (LRR K, L, MLRA 149B)
Black Hi	•		Loamy Muck						e Redox (A16) <b>(LRR K, L, R)</b> Peat or Peat (S3) <b>(LRR K, L, R)</b>
Hydroge	en Sulfide (A4)		Loamy Gleye	ed Ma	trix (F2)			,	e (S7) (LRR K, L)
	d Layers (A5)		Depleted Ma						elow Surface (S8) <b>(LRR K, L)</b>
	d Below Dark Surfa	ace (A1	·		` '			•	urface (S9) <b>(LRR K, L)</b>
	ark Surface (A12) Jucky Mineral (S1)		Depleted Da			)		Iron-Manga	nese Masses (F12) (LRR K, L, R)
	•		Redox Depr	essioi	IS (FO)			Piedmont F	loodplain Soils (F19) (MLRA 149B)
-	ileyed Matrix (S4) edox (S5)							Mesic Spod	ic (TA6) <b>(MLRA 144A, 145, 149B)</b>
_	d Matrix (S6)							Red Parent	
	rface (S7) <b>(LRR R, N</b>	ΛΙ DΔ 1	/0R)					•	w Dark Surface (TF12)
Dark 3u	riace (57) (ERICIT, I	ILIVA I	436)					Other (Expl	ain in Remarks)
<sup>3</sup> Indicators	of hydrophytic veg	etation	n and wetland hyd	rolog	y must b	e preser	nt, unless disturbe	ed or problematic	
Restrictive I	_ayer (if observed):								
	Type:		None			Hydric	Soil Present?		Yes/_ No
	Depth (inches):								
Remarks:									
A positive in	ndication of hydric	soil wa	as observed. Refus	sal du	e to coar	se fragn	nents.		

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery		0-Nov-11	
Applicant/Owner: ConnectG	en	_	State: NY	S	Sampling Point: W-KC	F-20_UPL-1
Investigator(s): Kevin Fergus	on , Jay Kaminski		Section, Township,	Range: N/A	4	
Landform (hillslope, terrace, et	<b>c.)</b> : Flat		Local relief (concave, conv	ex, none):	Concave	Slope (%): 1 to 3
Subregion (LRR or MLRA):	MLRA 144A of LRR R		Lat: 42.88134	Long:	-74.375583	Datum: WGS84
Soil Map Unit Name: Applet	on silt loam, 3 to 8 pe	rcent slopes			NWI classification	n: None
Are climatic/hydrologic condition	ons on the site typical	l for this time of ye	ar? Yes <u>✓</u> No	(If no,	explain in Remarks.)	
Are Vegetation, Soil	, or Hydrology _	significantly dis	sturbed? Are "Norm	al Circumsta	ances" present?	Yes No
Are Vegetation, Soil	, or Hydrology _	naturally probl	ematic? (If needed,	explain any	answers in Remarks.	)
SUMMARY OF FINDINGS -	· Attach site man s	showing sampli	ng noint locations tran	nsects imi	nortant features <i>e</i>	etc
Hydrophytic Vegetation Prese		No <u>_</u>		150003, 1111	portarit reatares, c	
Hydric Soil Present?	Yes	No _ <b>_</b> _	Is the Sampled Area withi	n a Wetland	l? Yes	No⁄_
Wetland Hydrology Present?		No	If yes, optional Wetland Si			
Remarks: (Explain alternative)			<u> </u>	ite ib.		
HYDROLOGY Wetland Hydrology Indicators:						
Primary Indicators (minimum		eck all that annly)		Secondary	Indicators (minimum	of two required)
Filliary indicators (minimum	oi one is required, cir	еск ан шасарріу)		-	Soil Cracks (B6)	or two required)
Surface Water (A1)		Water-Stained Lea			ge Patterns (B10)	
High Water Table (A2)		Aquatic Fauna (B1		-	rim Lines (B16)	
Saturation (A3)		Marl Deposits (B1			ason Water Table (C2)	
Water Marks (B1) Sediment Deposits (B2)		Hydrogen Sulfide	neres on Living Roots (C3)	Crayfish	h Burrows (C8)	
Drift Deposits (B3)		Presence of Redu	_	Saturat	ion Visible on Aerial Ir	nagery (C9)
Algal Mat or Crust (B4)		="	tion in Tilled Soils (C6)		d or Stressed Plants (D	01)
Iron Deposits (B5)		Thin Muck Surface			orphic Position (D2)	
Inundation Visible on Aeria		Other (Explain in I			v Aquitard (D3)	
Sparsely Vegetated Concav	e Surface (B8)				opographic Relief (D4) eutral Test (D5)	
Field Observations:				TAC-NC	utiai iest (D3)	
Surface Water Present?	Yes No	/ Denth	(inches):			
Water Table Present?	Yes No _,	·	· · · · · · · · · · · · · · · · · · ·	- Watland H	ydrology Present?	Yes No _ <b>_</b> ✓
			(inches):	- Wettallu H	yurology Present:	1e3 NO _ <b>_</b> /
Saturation Present?	Yes No	<u>Z</u> Depth	(inches):	-		
(includes capillary fringe)						
Remarks: The criterion for wetland hydr		, weil, definit priote.	, ргенова парескопа, п	svanabic.		

Tree Stratum (Plot size: 30 ft )		Dominant		Dominance Test worksheet:		
	% Cover	Species?	Status	Number of Dominant Species The Are OBL, FACW, or FAC:	et 0	(A)
1				Total Number of Dominant Speci		
2.				Across All Strata:	1	(B)
3.				Percent of Dominant Species Tha	t	
4				Are OBL, FACW, or FAC:	0	(A/B)
5				Prevalence Index worksheet:		
6.				Total % Cover of:	Multiply	<u> Ву:</u>
7				OBL species 0	x 1 =	0
	0	= Total Cov	er	FACW species 5	x 2 =	10
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species 0	x 3 =	0
1				FACU species 75	x 4 =	300
2				UPL species 0	x 5 =	0
3				Column Totals 80	(A)	310 (B)
4				Prevalence Index = B/A	_	- \-/
5				Hydrophytic Vegetation Indicator		<u> </u>
6				1- Rapid Test for Hydrophyt		2
7				2 - Dominance Test is > 50%	_	11
	0	= Total Cov	er	$3$ - Prevalence Index is $\leq 3.0$		
Herb Stratum (Plot size: <u>5 ft</u> )				4 - Morphological Adaptatio		supporting
1. Lolium perenne	60	Yes	FACU	data in Remarks or on a separate		supporting
2. Dactylis glomerata	10	No	FACU	Problematic Hydrophytic Ve		xplain)
3. Taraxacum officinale	5	No	FACU	¹Indicators of hydric soil and wet	_	•
4. Phalaris arundinacea	5	No	FACW	present, unless disturbed or prob	-	ogy mast be
5.				Definitions of Vegetation Strata:		
6.				Tree – Woody plants 3 in. (7.6 cm	or more in	diameter at
7.				breast height (DBH), regardless of		a.aetc. ac
8.				Sapling/shrub – Woody plants les	_	DBH and
9.				greater than or equal to 3.28 ft (1		
10.				Herb – All herbaceous (non-wood	ly) plants, re	gardless of
11.				size, and woody plants less than	3.28 ft tall.	
12.				Woody vines – All woody vines gr	eater than 3	3.28 ft in
· ·	80	= Total Cov	er	height.		
Woody Vine Stratum (Plot size: 30 ft )				Hydrophytic Vegetation Present	Yes !	No 🟒
1.						
2				•		
3.				•		
4.				-		
···	0	= Total Cov	ar	•		
		_ TOTAL COV				
Remarks: (Include photo numbers here or on a separ						
No positive indication of hydrophytic vegetation was	observed (≥	50% of dom	inant specie	es indexed as FAC– or drier).		

	•	to the d	•			indicator	or confirm the al	osence of indicators.)	
Depth	Matrix		Redox						
(inches)	Color (moist)	%_	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Text		Remarks
0 - 2	10YR 3/3	100		_			Silty Cla	y Loam	
2 - 10	10YR 3/2	100					Silty Cla	y Loam	
								·	
				_					
				_					
				_					
				_					
	•			_					
				_					
				_					
				_		<del></del> .	C 1.C : 31		
	Concentration, D =	Depletic	on, RM = Reduced	Matr	ix, MS =	Masked	Sand Grains. <sup>2</sup> Lo	ocation: PL = Pore Linin	,
Hydric Soil								Indicators for Probler	natic Hydric Soils³:
Histoso			Polyvalue Bel				· ·	2 cm Muck (A10) (	LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Sui					Coast Prairie Redo	ox (A16) <b>(LRR K, L, R)</b>
	istic (A3)		Loamy Mucky			(LRR K, L	)	5 cm Mucky Peat	or Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye					Dark Surface (S7)	(LRR K, L)
	d Layers (A5) d Below Dark Surfa	aca (A11	•	-				Polyvalue Below S	Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)	ace (ATT	Depleted Dar		. ,	١		Thin Dark Surface	(S9) <b>(LRR K, L)</b>
	Mucky Mineral (S1)		Redox Depre			,		Iron-Manganese N	Masses (F12) <b>(LRR K, L, R)</b>
	Gleyed Matrix (S4)		Nedox Depre	33101	3 (10)			Piedmont Floodpl	ain Soils (F19) <b>(MLRA 149B)</b>
-	Redox (S5)							Mesic Spodic (TA6	) (MLRA 144A, 145, 149B)
-	d Matrix (S6)							Red Parent Mater	
		ALDA 14	OD)					Very Shallow Dark	
Dark 30	ırface (S7) <b>(LRR R, N</b>	ILKA 14	<b>3</b> D)					Other (Explain in I	Remarks)
<sup>3</sup> Indicators	of hydrophytic veg	etation	and wetland hydr	ology	/ must be	e presen	t, unless disturbe	d or problematic.	
Restrictive	Layer (if observed):	:							
	Type:		None	_		Hydric	Soil Present?	Yes _	No <u></u> /_
	Depth (inches):								
Remarks:						•			
No positive	indication of hydr	ic soils v	vas observed. Ref	usal d	due to co	arse frag	gments.		
1									
Í									

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/	County: Fultonville, Montgomery		Sampling Date: 2020-Nov-11		
Applicant/Owner: ConnectGer	1	State:	NY Sar	mpling Point: W-KC	F-21_PFO-1	
Investigator(s): Kevin Ferguson	າ , Jay Kaminski	Section, Townsh	nip, Range: N/A			
Landform (hillslope, terrace, etc.)	: Depression	Local relief (concave, co	onvex, none): Co	oncave	Slope (%): 2 to 5	
Subregion (LRR or MLRA):	/ILRA 144A of LRR R	<b>Lat:</b> 42.8861099	51 <b>Long:</b> -74	4.37663974	Datum: WGS84	
Soil Map Unit Name: Appletor	ı silt loam, 3 to 8 percen	t slopes		NWI classification	n: None	
Are climatic/hydrologic condition	s on the site typical for t	his time of year? Yes	No (If no, ex	xplain in Remarks.)		
Are Vegetation, Soil,	or Hydrology s	ignificantly disturbed? Are "No	rmal Circumstan	ces" present?	∕es <u> </u>	
Are Vegetation, Soil,	or Hydrology n	aturally problematic? (If need	ed, explain any a	nswers in Remarks.)	)	
SUMMARY OF FINDINGS – A	ttach site map show	ving sampling point locations, t	ransects, impo	ortant features, e	etc.	
Hydrophytic Vegetation Present			·			
		i	:	V	e Ni-	
Hydric Soil Present?	Yes 🟒 N				_∕_ No	
Wetland Hydrology Present?	Yes N	o If yes, optional Wetlan	d Site ID:	W-K	CF-21	
Remarks: (Explain alternative pr	ocedures here or in a se	parate report)		<u> </u>		
Covertype is PFO. Area is wetlan	d, all three wetland para	imeters are present.				
31	.,					
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check a	ıll that apply)	<u>Secondary In</u>	<u>dicators (minimum</u>	<u>of two required)</u>	
			Surface S	oil Cracks (B6)		
Surface Water (A1)	_ <u>✓</u> Wate	er-Stained Leaves (B9)		Patterns (B10)		
High Water Table (A2)	Aqu	atic Fauna (B13)	•	n Lines (B16)		
✓ Saturation (A3)	Mar	Deposits (B15)				
Water Marks (B1)	Hyd	rogen Sulfide Odor (C1)	•	on Water Table (C2)		
Sediment Deposits (B2)	Oxic	lized Rhizospheres on Living Roots (C	۲۱ -	Burrows (C8)	(60)	
Drift Deposits (B3)		ence of Reduced Iron (C4)	Saturation	n Visible on Aerial In	•	
Algal Mat or Crust (B4)		ent Iron Reduction in Tilled Soils (C6)	Stunted o	r Stressed Plants (D	1)	
Iron Deposits (B5)		Muck Surface (C7)	∕ Geomorp	hic Position (D2)		
•			Shallow A	quitard (D3)		
Inundation Visible on Aerial	· · · · · · · · · · · · · · · · · · ·	er (Explain in Remarks)		ographic Relief (D4)		
<u>✓</u> Sparsely Vegetated Concave	Surface (B8)		•	ral Test (D5)		
F. 1161			FAC-Neut	rai lest (D5)		
Field Observations:						
Surface Water Present?	Yes No	Depth (inches):				
Water Table Present?	Yes No _ <b>_</b>	Depth (inches):	Wetland Hyd	rology Present?	Yes No	
		Depth (inches): 0				
Saturation Present?	Yes No	Depti (inches).				
	Yes No	Depti (inches).				
(includes capillary fringe)						
(includes capillary fringe)		, aerial photos, previous inspections)	, if available:			
(includes capillary fringe)			, if available:			
(includes capillary fringe)			, if available:			
(includes capillary fringe)			, if available:			
(includes capillary fringe)			, if available:			
(includes capillary fringe)			, if available:		·	
(includes capillary fringe)  Describe Recorded Data (stream  Remarks:	n gauge, monitoring well		, if available:			
(includes capillary fringe)  Describe Recorded Data (strean	n gauge, monitoring well		, if available:			
(includes capillary fringe)  Describe Recorded Data (stream  Remarks:	n gauge, monitoring well		, if available:		-	
(includes capillary fringe)  Describe Recorded Data (strean  Remarks:	n gauge, monitoring well		, if available:		_	
(includes capillary fringe)  Describe Recorded Data (strean  Remarks:	n gauge, monitoring well		, if available:			
(includes capillary fringe)  Describe Recorded Data (stream  Remarks:	n gauge, monitoring well		, if available:			
(includes capillary fringe)  Describe Recorded Data (stream  Remarks:	n gauge, monitoring well		, if available:			
(includes capillary fringe)  Describe Recorded Data (stream  Remarks:	n gauge, monitoring well		, if available:			
(includes capillary fringe)  Describe Recorded Data (stream  Remarks:	n gauge, monitoring well		, if available:			

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant			
1. Acer rubrum	30	Yes	FAC	Are OBL, FACW, or FAC	2	(A)	
2. Fraxinus pennsylvanica	10	Yes	FACW	Total Number of Domi			
3. Quercus rubra		No	FACU	Across All Strata:		2	(B)
			FACU	Percent of Dominant S	100	(A /D)	
4. Fagus grandifolia		No	FACU	Are OBL, FACW, or FAC	:	100	(A/B)
5.				Prevalence Index work	sheet:		
5				Total % Cover	<u>of:</u>	Multiply I	<u>Ву:</u>
7		T. t. I C.		OBL species	0	x 1 =	0
- I: (Cl.   C (Dl	50	= Total Cov	er	FACW species	10	x 2 =	20
Sapling/Shrub Stratum (Plot size: 15 ft )				FAC species	30	x 3 =	90
1				- FACU species	10	x 4 =	40
2.				UPL species	0	x 5 =	0
3				Column Totals	50	(A)	150 (B)
1				Prevalence I	ndex = B/A =	3	
j				Hydrophytic Vegetatio	n Indicators:		
5				1- Rapid Test for		/egetation	
7				2 - Dominance Test is >50%  2 - Prevalence Index is ≤ 3.01			
	0	= Total Cov	er				
<u>-lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphologica		(Provide s	supporting
l				- data in Remarks or on			,appor8
2				- Problematic Hyd			plain)
3				Indicators of hydric so			
4				present, unless disturb		, .	.,
5.				Definitions of Vegetati			
6.				Tree – Woody plants 3		more in c	liameter at
7.				breast height (DBH), re			
3.				Sapling/shrub - Wood	y plants less t	han 3 in. D	BH and
9.				greater than or equal t	to 3.28 ft (1 m	) tall.	
10.				Herb – All herbaceous	(non-woody)	plants, reg	ardless of
				size, and woody plants	less than 3.2	8 ft tall.	
12.				Woody vines – All woo	dy vines great	ter than 3	28 ft in
		= Total Cov	er	height.			
Woody Vine Stratum (Plot size:30 ft)	<u></u>			Hydrophytic Vegetation	on Present? \	∕es <u> </u> N	0
l.							
2.				=			
3.				-			
4.	<del></del>			-			
		= Total Cov	or	-			
<del></del>		- Total Cov	ei				

	scription: (Describe	to the	•			indicato	r or confirm the al	bsence of indicato	ors.)
Depth (inches)	Matrix Color (moist)	<u></u> %	Redo Color (moist)			Loc <sup>2</sup>	Toyete		Remarks
0 - 5	10YR 3/1	100	Color (ITIOISC)	<u>%</u>	Type <sup>1</sup>	LUC-	Texture Silty Clay Loam		Remarks
5 - 10	101K 3/1	85	10R 4/6	15			Silty Clay		
10 - 20	101K 5/1	70	10YR 4/6	30		M/PL	Silty Clay		
10-20	1011(3/2	70	1011(4/0	30		TVI/T L	Sifty Clay	y Loain	
		· —							
		- —							
	-			_					
	-			_					
	-						_		
	-						_		
		· —							
				_			<u> </u>		
	Concentration, D =	Depleti	ion, RM = Reduce	d Ma	trix, MS =	= Masked	Sand Grains. <sup>2</sup> Lo		Lining, M = Matrix.
-	I Indicators:					(CO) (I BB	D 141 D 1 4 40D)	Indicators for Pi	roblematic Hydric Soils³:
Histos							R, MLRA 149B)		A10) <b>(LRR K, L, MLRA 149B)</b>
	Epipedon (A2) Histic (A3)		Thin Dark S Loamy Muc						e Redox (A16) <b>(LRR K, L, R)</b>
	gen Sulfide (A4)		Loamy Gley	-			-)	•	Peat or Peat (S3) (LRR K, L, R)
	ed Layers (A5)		Depleted M					Dark Surface	
	ed Below Dark Surf	face (A1						,	elow Surface (S8) (LRR K, L)
Thick D	Oark Surface (A12)		Depleted Da	ark Su	ırface (F	7)			urface (S9) <b>(LRR K, L)</b> nese Masses (F12) <b>(LRR K, L, R)</b>
Sandy	Mucky Mineral (S1)		Redox Depr	essio	ns (F8)				oodplain Soils (F19) <b>(MLRA 149B)</b>
Sandy	Gleyed Matrix (S4)								c (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy	Redox (S5)							Red Parent I	
Strippe	ed Matrix (S6)								v Dark Surface (TF12)
Dark S	urface (S7) <b>(LRR R,</b> I	MLRA 14	49B)					Other (Expla	
3Indicators	s of hydrophytic veg	getation	and wetland hvo	irolog	zv must l	oe preser	nt. unless disturbe	•	
-	Layer (if observed)						,		
	Type:		None			Hvdric 9	Soil Present?		Yes No
	Depth (inches):					,			<u> </u>
Remarks:						1			
	indication of hydric	soil wa	s observed.						
, , pos.a.re			.5 0.550. Vou.						

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		onville, Montgomery		20-Nov-11		
Applicant/Owner: ConnectGer	n		State: NY		Sampling Point: W-KC	CF-21_UPL-1
Investigator(s): Kevin Ferguson	າ , Jay Kaminski		Section, Township,	Range: N/	А	
Landform (hillslope, terrace, etc.)	): Foot slope		Local relief (concave, conv	/ex, none):	Convex	<b>Slope (%):</b> 2 to 5
Subregion (LRR or MLRA):	MLRA 144A of LRR F	?	Lat: 42.88601626	Long:_	-74.37658182	Datum: WGS84
Soil Map Unit Name: Appletor	າ silt loam, 3 to 8 pe	ercent slopes			NWI classification	n: None
Are climatic/hydrologic condition	ıs on the site typica	l for this time of yea	ar? Yes 🟒 No	(If no,	explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology _	significantly dis	sturbed? Are "Norm	al Circumsta	ances" present?	Yes No
Are Vegetation, Soil,	or Hydrology _	naturally probl	ematic? (If needed,	explain any	answers in Remarks.	.)
SUMMARY OF FINDINGS – A	Attach site map	showing samplir	ng point locations, tra	nsects, im	portant features,	etc.
Hydrophytic Vegetation Present	? Yes _	✓_ No				
Hydric Soil Present?	Yes _	No _ <b>_</b>	Is the Sampled Area with	nin a Wetlan	d? Yes	s No <u>_</u>
Wetland Hydrology Present?	Yes _	No <b>∠</b>	If yes, optional Wetland	Site ID:		
Remarks: (Explain alternative pr						
·						
Covertype is UPL. Area is upland	l, not all three wetl	and parameters are	e present.			
I		•	•			
HYDROLOGY						
TI BROLOGI						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; ch	neck all that apply)		Secondary	Indicators (minimum	of two required)
				-	Soil Cracks (B6)	
Surface Water (A1)	_	_ Water-Stained Lea			ge Patterns (B10)	
High Water Table (A2)	_	_ Aquatic Fauna (B1			rim Lines (B16)	
Saturation (A3)		_ Marl Deposits (B15			ason Water Table (C2)	
Water Marks (B1)	_	_ Hydrogen Sulfide (		-	h Burrows (C8)	
Sediment Deposits (B2)	_		eres on Living Roots (C3)	-	tion Visible on Aerial I	magery (C9)
Drift Deposits (B3)	_	_ Presence of Reduc			d or Stressed Plants ([	
Algal Mat or Crust (B4)	_	_ Recent Iron Reduc	tion in Tilled Soils (C6)		orphic Position (D2)	<i>31)</i>
Iron Deposits (B5)	_	_ Thin Muck Surface	e (C7)		v Aquitard (D3)	
Inundation Visible on Aerial	lmagery (B7)	_ Other (Explain in F	Remarks)			
Sparsely Vegetated Concave	Surface (B8)				opographic Relief (D4)	)
				FAC-Ne	eutral Test (D5)	
Field Observations: Surface Water Present?	Vos. No.	/ Donth /	inchaelt			
	Yes No _	·	inches):	_	hadaalama Daaaami	Vos. No. 4
Water Table Present?	Yes No _		inches):	- wetland H	ydrology Present?	Yes No <b>/</b> _
Saturation Present?	Yes No _	✓ Depth (	inches):	-		
(includes capillary fringe)						
Describe Recorded Data (strean	n gauge, monitorin	g well, aerial photos	s, previous inspections), if	available:		
	00.,	<b>5</b>	,,,			
Remarks:						
	ami is not mot					
The criterion for wetland hydrol	ogy is not met.					

Tue Starten (Blat size 20 ft )	Absolute	Dominant	Indicator	Dominance Test worksh	neet:		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )	% Cover	Species?	Status	Number of Dominant S	4	(A)	
1. Quercus rubra	40	Yes	FACU	Are OBL, FACW, or FAC:			(/-)
2. Fraxinus pennsylvanica	10	Yes	FACW	Total Number of Domir	ant Species	7	(B)
3.				Across All Strata:			
4.				Percent of Dominant Sp		57.1	(A/B)
5.				Are OBL, FACW, or FAC:			
6.				Prevalence Index works			_
7.				Total % Cover		Multiply I	-
	50	= Total Cov	er	OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft)		-		FACW species	25	x 2 =	50
1. Fraxinus pennsylvanica	10	Yes	FACW	FAC species	5	x 3 =	15
2. Rosa multiflora	5	Yes	FACU	FACU species	60	x 4 =	240
3. Rhamnus cathartica		Yes	FAC	UPL species	0	x 5 =	0
4.			TAC	Column Totals	90	(A)	305 (B)
5.				Prevalence In	dex = B/A =	3.4	
				Hydrophytic Vegetation	Indicators:		
6.				1- Rapid Test for H	lydrophytic V	/egetation	
7				✓ 2 - Dominance Tes	st is >50%		
	20	_= Total Cov	er	3 - Prevalence Ind	ex is ≤ 3.0 <sup>1</sup>		
Herb Stratum (Plot size: 5 ft )	_	.,	=. =	4 - Morphological	Adaptations	1 (Provide s	supporting
1. Fraxinus pennsylvanica	5	Yes	FACW	data in Remarks or on a	separate sh	neet)	
2				Problematic Hydro	ophytic Vege	tation¹ (Ex	plain)
3				¹Indicators of hydric so	l and wetlan	d hydrolog	gy must be
4				present, unless disturb	ed or problei	matic	
5				Definitions of Vegetation	n Strata:		
6				Tree – Woody plants 3 i	n. (7.6 cm) oı	r more in c	liameter at
7				breast height (DBH), reg	gardless of h	eight.	
8				Sapling/shrub – Woody			BH and
9				greater than or equal to			
10				Herb – All herbaceous (			ardless of
11				size, and woody plants			
12.				Woody vines – All wood	ly vines great	ter than 3.	28 ft in
	5	= Total Cov	er	height.			
Woody Vine Stratum (Plot size:30 ft)		_		Hydrophytic Vegetation	n Present? \	Yes <u> </u>	0
1. Vitis aestivalis	15	Yes	FACU				
2.							
3.							
4.							
	15	= Total Cov	er				
		=					
Remarks: (Include photo numbers here or on a separat							
A positive indication of hydrophytic vegetation was obs	erved (>50	)% of domin	ant species	indexed as OBL, FACW, o	r FAC).		

	•	to the de	•			ndicato	or confirm the at	osence of indicators.)	
Depth _	Matrix		Redox						
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
0 - 6	10YR 3/2	100		_			Silty Cla		
6 - 20	10YR 3/2	50		_			Silty Cla		
6 - 20	10YR 4/2	50		_			Silty Cla	y Loam	
				_					
				_					
								_	
				_					
		· — ·		_					
				_					
		· — ·		_					
		· —— ·							
		. <u> </u>				<del></del> .			
	oncentration, D =	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> Lo	ocation: PL = Pore Linir	
Hydric Soil I	ndicators:							Indicators for Proble	matic Hydric Soils³:
Histosol			-				R, MLRA 149B)	2 cm Muck (A10)	(LRR K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Sui					Coast Prairie Red	lox (A16) <b>(LRR K, L, R)</b>
Black Hi			Loamy Mucky			(LRR K, I	-)	5 cm Mucky Peat	or Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye					Dark Surface (S7)	(LRR K, L)
	d Layers (A5)		Depleted Ma						Surface (S8) <b>(LRR K, L)</b>
	d Below Dark Surfa	ace (A11)						Thin Dark Surface	e (S9) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Dar						Masses (F12) (LRR K, L, R)
-	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)			•	olain Soils (F19) <b>(MLRA 149B)</b>
-	leyed Matrix (S4)							· ·	6) (MLRA 144A, 145, 149B)
Sandy R	edox (S5)							Red Parent Mater	
Stripped	l Matrix (S6)							Very Shallow Dar	
Dark Su	rface (S7) (LRR R, M	ILRA 149	)B)					Other (Explain in	
a	61 1 1 1							•	Kerrarksy
-	of hydrophytic veg		ind wetland hydr	olog	y must be	e preser	it, unless disturbe	d or problematic.	
Restrictive I	.ayer (if observed):								
	Type:		None			Hydric	Soil Present?	Yes	No⁄_
	Depth (inches):								
Remarks:									
No positive	indication of hydri	c soils w	as observed.						
'	,								

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/County: Ful	tonville, Montgomery	Sam	Sampling Date: 2020-Nov-12		
Applicant/Owner: ConnectGe	n	State: NY	Sampli	ing Point: W-KCF	-22_PEM-1	
Investigator(s): Kevin Ferguso	n , Jay Kaminski	Section, Township,	Range: N/A			
Landform (hillslope, terrace, etc.	.): Swale	Local relief (concave, conv	ex, none): Conca	ive	Slope (%): 2 to 5	
Subregion (LRR or MLRA):	MLRA 144A of LRR R	Lat: 42.88512329	Long: -74.37	973246	Datum: WGS84	
Soil Map Unit Name: Appleto	n silt loam, 3 to 8 percent slopes		N	NWI classification:	None	
Are climatic/hydrologic condition	ns on the site typical for this time of y	ear? Yes <u>✓</u> No	(If no, expla	iin in Remarks.)		
Are Vegetation <u></u> ✓, Soil,	or Hydrology significantly d	listurbed? Are "Norm	al Circumstances'	' present? Yo	es No	
Are Vegetation, Soil,	or Hydrology naturally prob	olematic? (If needed,	explain any answ	ers in Remarks.)		
SUMMARY OF FINDINGS – A	Attach site map showing sampl	ing point locations, trai	nsects, importa	ant features, e	tc.	
Hydrophytic Vegetation Present			•			
		la de Canada de Antaridado			c. No.	
Hydric Soil Present?	Yes No	Is the Sampled Area withi			<u>√</u> No	
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	ite ID:	W-KC	F-22	
Remarks: (Explain alternative pr	rocedures here or in a separate repor	rt)				
HYDROLOGY						
Wetland Hydrology Indicators:						
	f one is required; check all that apply)	)	Secondary Indica	ators (minimum o	of two required)	
			Surface Soil C			
Surface Water (A1)	Water-Stained Le		Drainage Patr			
✓ High Water Table (A2)	Aquatic Fauna (B		Moss Trim Lir			
✓ Saturation (A3)	Marl Deposits (B:		Dry-Season V	Vater Table (C2)		
Water Marks (B1)	Hydrogen Sulfide		Crayfish Burr	ows (C8)		
Sediment Deposits (B2) Drift Deposits (B3)	<u>✓</u> Oxidized Rffizosp <u>✓</u> Presence of Redu	oheres on Living Roots (C3)	Saturation Vi	sible on Aerial Im	agery (C9)	
Algal Mat or Crust (B4)		uction in Tilled Soils (C6)	Stunted or St	ressed Plants (D1	1)	
Iron Deposits (B5)	Recent from Redu Thin Muck Surfac		✓ Geomorphic	Position (D2)		
Inundation Visible on Aerial			Shallow Aqui	tard (D3)		
Sparsely Vegetated Concave		Remarks)	<u>✓</u> Microtopogra	aphic Relief (D4)		
Sparsely vegetated contave	- Surface (BO)		<u>✓</u> FAC-Neutral 1	Гest (D5)		
Field Observations:						
Surface Water Present?	Yes _ 🗸 No Depth	h (inches): 1				
Water Table Present?	Yes No Depth	h (inches): 0	Wetland Hydrolo	ogy Present?	Yes No	
Saturation Present?	Yes No Depth	h (inches):				
(includes capillary fringe)						
	n gauge, monitoring well, aerial photo	os previous inspections) if	available.			
	n gaage, monitoring wen, actual proce	, previous inspections, in	available.			
Remarks:						
The criterion for wetland hydro	logy is met.					

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant	Indicator	Dominance Test works			
1.	% Cover	Species?	Status	Number of Dominant S Are OBL, FACW, or FAC		1	(A)
2.				Total Number of Domi Across All Strata:	nant Species	2	(B)
3. I.		·		Percent of Dominant S	Percent of Dominant Species That		
5.				Are OBL, FACW, or FAC			
j.				Prevalence Index work		N.A. Jaimba F	<b>.</b>
				Total % Cover OBL species	<u>oi:</u> 0	$\frac{\text{Multiply E}}{\times 1} =$	o 0
	0	= Total Cov	er	FACW species	55	x 2 =	110
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	0	x3=	0
•				FACU species	10	x 4 =	40
				UPL species	0	x 4 = x 5 =	0
				- Column Totals	65	_	
				-		(A) _	150 (B)
				Prevalence In		2.3	<del></del>
				Hydrophytic Vegetation			
				1- Rapid Test for I		egetation	
		= Total Cov	er	2 - Dominance Te			
lerb Stratum (Plot size: _ 5 ft)		-		_ <b>✓</b> _ 3 - Prevalence Inc			
. Phalaris arundinacea	50	Yes	FACW	4 - Morphologica			supporting
. Asteracae	30	Yes	NI	data in Remarks or on			
. Lolium perenne	10	No	FACU	- Problematic Hydi	, , ,		•
l. Carex sp.	10	No	NI	¹Indicators of hydric so		, .	y must be
. Lysimachia nummularia		No No	FACW	present, unless disturb		natic	
5. Lysimacma nummulana 5.			FACVV	Definitions of Vegetation			
-				Tree - Woody plants 3			iameter a
7				breast height (DBH), re Sapling/shrub – Woody	_	-	DU and
B				greater than or equal t	-		DH allu
0				Herb – All herbaceous			ardless of
0				size, and woody plants			ai diess o
1				Woody vines – All woo			28 ft in
2				height.	ay ves 8. ea.		
	105	= Total Cov	er	Hydrophytic Vegetation	n Drocont2 \	/os / N	
Voody Vine Stratum (Plot size: <u>30 ft</u> )				Tiyuropriyac vegetado	iii ri eseiit:	C2 <u>√</u> IV	·
•				_			
·				_			
B				=			
l				=			
	0	= Total Cov	er				

Profile Des	cription: (Describe	to the	depth needed to	docu	ment the	indicato	r or confirm the a	bsence of indicato	ors.)
Depth	Matrix		Redo	x Fea	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc2	Text	ture	Remarks
0 - 6	10YR 3/2	95	10YR 4/6	5	C	M/PL	Clay I	Loam	
6 - 20	10YR 4/1	80	10YR 4/6	20	C	M/PL	Silty Cla	ıy Loam	
							-		-
		- —							
¹Tvpe: C = 0	Concentration, D =	Deple	tion. RM = Reduce	ed Ma	trix. MS :	= Masked	Sand Grains. <sup>2</sup> L	ocation: PL = Pore	Lining, M = Matrix.
Hydric Soil					,				roblematic Hydric Soils³:
Histoso			Polyvalue B	elow	Surface (	'S8) <b>(I RR</b>	R MIRA 149R)		•
	oipedon (A2)		Thin Dark S						(A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Mud						e Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gley				-)		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted M					Dark Surfac	
	d Below Dark Surf	ace (Δ'							elow Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)	acc (/ t	Depleted D			7)			urface (S9) <b>(LRR K, L)</b>
	/lucky Mineral (S1)		Redox Dep			,		Iron-Manga	nese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)		Nedox Bep	. 03310	)				oodplain Soils (F19) (MLRA 149B)
-								Mesic Spodi	c (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	Redox (S5)							Red Parent	Material (F21)
	d Matrix (S6)							Very Shallov	v Dark Surface (TF12)
Dark Su	ırface (S7) <b>(LRR R, I</b>	MLRA 1	49B)					Other (Expla	ain in Remarks)
3Indicators	of hydrophytic veg	getatio	n and wetland hy	drolo	gy must l	oe preser	nt, unless disturbe	ed or problematic.	
Restrictive	Layer (if observed)	: :			-	1		·	
	Type:		None			Hydric 9	Soil Present?		Yes No
	Depth (inches):		Hone			l'iyane s	on reserie.		165 <u>v</u> 110 <u> </u>
-	Deptii (iiiciies).								
Remarks:									
A positive i	ndication of hydric	soil w	as observed.						

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/County: Fult	conville, Montgomery	Sampling Date: 2020-Nov-12			
Applicant/Owner: ConnectGer	n	State: NY	Sampling Point: W-KCI	F-22_PFO-2		
Investigator(s): Kevin Fergusor	າ , Jay Kaminski	Section, Township, Range:	N/A			
Landform (hillslope, terrace, etc.)	): Hillslope	Local relief (concave, convex, non-	e): Concave	<b>Slope (%):</b> 2 to 5		
Subregion (LRR or MLRA):	MLRA 144A of LRR R	Lat: 42.88579386 Lor	ng: -74.37829545	Datum: WGS84		
Soil Map Unit Name: Lansing	silt loam, 8 to 15 percent slopes		NWI classification	: None		
Are climatic/hydrologic condition	ns on the site typical for this time of ye	ear? Yes 🟒 No (If	no, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology significantly di	isturbed? Are "Normal Circui	mstances" present?	′es No		
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed, explain	any answers in Remarks.)			
SUMMARY OF FINDINGS – A	Attach site map showing sampli	ng point locations, transects,	important features, e	tc.		
Hydrophytic Vegetation Present	? Yes _ <b>/</b> _ No	1				
Hydric Soil Present?	Yes _ ✓ No	Is the Sampled Area within a Wet	land? Vac	✓_ No		
		·				
Wetland Hydrology Present?	Yes _ <b>∠</b> No	If yes, optional Wetland Site ID:	<u>W-KC</u>	.F-22		
•	ocedures here or in a separate report					
Covertype is PFO. Area is wetlan	id, all three wetland parameters are p	resent.				
HYDROLOGY						
Wetland Hydrology Indicators:						
	one is required; check all that apply)	Second	lary Indicators (minimum o	of two required)		
Triniary indicators (minimum or	one is required, check all that apply)		face Soil Cracks (B6)	or two required)		
Surface Water (A1)	⁄ Water-Stained Le	aves (B9) ✓ Dra	inage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B´	13) Mo:	ss Trim Lines (B16)			
✓ Saturation (A3)	Marl Deposits (B1	15) Dry	-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide	Odor (C1)	yfish Burrows (C8)			
Sediment Deposits (B2)		heres on Living Roots (C3) Sati	uration Visible on Aerial Im	nagery (C9)		
Drift Deposits (B3)	Presence of Redu	STIL	nted or Stressed Plants (D	1)		
Algal Mat or Crust (B4)	<del></del>	ction in Tilled Soils (C6) Geo	omorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surfac	Sha	illow Aquitard (D3)			
Inundation Visible on Aerial I Sparsely Vegetated Concave		<u>✓</u> Mic	rotopographic Relief (D4)			
Sparsely vegetated Concave	Surface (Bo)	FAC	C-Neutral Test (D5)			
Field Observations:						
Surface Water Present?	Yes No Depth	ı (inches):				
Water Table Present?	Yes No <u>_</u> Depth	n (inches): Wetlan	d Hydrology Present?	Yes No		
Saturation Present?	Yes 📈 No Depth	(inches):				
(includes capillary fringe)						
	n gauge, monitoring well, aerial photo	os provious inspections) if available	··			
Describe Recorded Data (stream	rgauge, monitoring wen, aeriai prioto	s, previous irispections), ir available	<b></b>			
Remarks:						
The criterion for wetland hydrol	ogy is met.					

	Dominant Species?	Indicator Status	Dominance Test worksheet:  Number of Dominant Species That	_	
40	Yes	FACW	Are OBL, FACW, or FAC:	3	(A)
5	No	FACU	Total Number of Dominant Species		(D)
	No	FACU	Across All Strata:	´ 5	(B)
		17100	Percent of Dominant Species That	60	(A/B)
			Are OBL, FACW, or FAC:		(A/B)
			Prevalence Index worksheet:		
			Total % Cover of:	Multiply I	<u>Ву:</u>
	- Total Cau		OBL species 0	x 1 =	0
50	= Total Cov	er	FACW species 50	x 2 =	100
_	.,	E4.611	FAC species 0	x 3 =	0
	Yes	FACU	FACU species 25	x 4 =	100
			- UPL species 0	x 5 =	0
			- Column Totals 75	(A)	200 (B)
			Prevalence Index = B/A =	2.7	
			-		
			1		
				vegetation	
5	= Total Cov	er			
					cupporting
5	Yes	FACW			supporting
5	Yes	FACW	· ·		nlain)
			,	, .	sy must be
			-	ciriatic	
			_	or more in c	liamotor at
			- 1		ilallietei at
			-	_	BH and
			- I		Di i di id
			- I		ardless of
					,
					28 ft in
10	= Total Cov	er	Hydronhytic Vegetation Present?	Ves / N	0
			Trydrophytic vegetation resent.	10311	
10	Yes	FACU	-		
			-		
			_		
			_		
	5 5 5 5 5 5	5	5	Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  Total % Cover of:  OBL species 0 FACW species 50 FAC species 0 FACU species 10 FA	Percent of Dominant Species That Are OBL, FACW, or FAC:  Prevalence Index worksheet:  Total % Cover of:  Multiply I  OBL species  5 Yes FACU  FACU species  Column Totals  FACU species  Deprovalence Index = B/A = 2.7  Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  Yes FACW  The species Index is ≤ 3.01  4 - Morphological Adaptations¹ (Provide station Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Extended at an Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Extended at an Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Extended at an Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Extended at an Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation¹ (Extended at an Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation or problematic  Definitions of Vegetation Strata:  Tree - Woody plants 3 in. (7.6 cm) or more in contract that or equal to 3.28 ft (1 m) tall.  Herb - All herbaceous (non-woody) plants, register, and woody plants less than 3.28 ft tall.  Woody vines - All woody vines greater than 3. height.  Hydrophytic Vegetation Present? Yes ✓ N

	scription: (Describe	to the	•			indicato	or confirm the ab	osence of indicato	ors.)
Depth (inches)	Matrix Color (moist)	<u></u> %	Redo Color (moist)			Loc <sup>2</sup>	Textu	ıro	Remarks
0 - 4	10YR 2/2	100	Color (IIIoist)	<u>%</u>	Type <sup>1</sup>		Loa		Remarks
4 - 12	10YR 3/2	90	10YR 4/6	10			Silty Clay		
12 - 20	10YR 5/2	80	10YR 4/6	20		M/PL	Silty Clay		
12 - 20	1011 3/2	- 80	1011 470	20		IVI/FL	Silty C	Liay	
		· —							
		- —							
		- —							
	-			_					
		- —							
	-			_					
	•	. —						<del>-</del>	
				_					
	Concentration, D =	Deplet	ion, RM = Reduce	d Ma	trix, MS =	= Masked	Sand Grains. <sup>2</sup> Lo		Lining, M = Matrix.
-	I Indicators:					(CO) (I DD	3 A 4 B 4 4 4 6 B 3	Indicators for Pr	roblematic Hydric Soils³:
Histos			-				R, MLRA 149B)		A10) <b>(LRR K, L, MLRA 149B)</b>
	Epipedon (A2) Histic (A3)		Thin Dark S Loamy Muc						e Redox (A16) <b>(LRR K, L, R)</b>
	gen Sulfide (A4)		Loamy Gley				-)		Peat or Peat (S3) (LRR K, L, R)
	ed Layers (A5)		Depleted M					Dark Surface	
	ed Below Dark Surf	face (A1							elow Surface (S8) (LRR K, L)
Thick D	Oark Surface (A12)		Depleted Da	ark Su	ırface (F	7)			urface (S9) <b>(LRR K, L)</b> nese Masses (F12) <b>(LRR K, L, R)</b>
Sandy	Mucky Mineral (S1)		Redox Depr	essio	ns (F8)				oodplain Soils (F19) <b>(MLRA 149B)</b>
Sandy	Gleyed Matrix (S4)								c (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy	Redox (S5)							Red Parent I	
Strippe	ed Matrix (S6)								v Dark Surface (TF12)
Dark S	urface (S7) (LRR R, I	MLRA 14	49B)					Other (Expla	
3Indicators	s of hydrophytic ve	getation	and wetland hvo	irolos	v must l	oe preser	t. unless disturbe	•	
	Layer (if observed				5)		.,		_
	Type:	,.	None			Hydric	Soil Present?		Yes No
	Depth (inches):					,			
Remarks:	Depart (menes).					I			
	indication of hydric	soil wa	is observed						
A positive	indication of flydric	. 3011 440	is observed.						

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fult	onville, Montgomery	Sampling Date: 2020-Nov-12			
Applicant/Owner: ConnectGe	n		State: NY	Sampling Point: W	/-KCF-22_UPL-1		
Investigator(s): Kevin Ferguso	n , Jay Kaminski		Section, Township,	Range: N/A			
Landform (hillslope, terrace, etc.	): Hillslope		Local relief (concave, conv	vex, none): Convex	Slope (%): 2 to 5		
Subregion (LRR or MLRA):	MLRA 144A of LRR	R	Lat: 42.88502347	Long: -74.37975816	Datum: WGS84		
Soil Map Unit Name: Mohawk	silt loam, 8 to 15	percent slopes		NWI classifica	tion: None		
Are climatic/hydrologic condition	ns on the site typic	al for this time of ye	ear? Yes 🗸 No	(If no, explain in Remark	(s.)		
Are Vegetation <u></u> , Soil,	or Hydrology	significantly di	sturbed? Are "Norm	al Circumstances" present?	Yes No		
Are Vegetation, Soil,	or Hydrology	naturally prob	lematic? (If needed,	explain any answers in Rema	rks.)		
SUMMARY OF FINDINGS – A	Attach site mar	showing sampli	ng noint locations tra	nsects important feature	s etc		
			ing point locations, trai	isects, important reacure	3, etc.		
Hydrophytic Vegetation Present	:? Yes	5 No _ <b>_/</b>					
Hydric Soil Present?	Yes	5 No <b>/</b>	Is the Sampled Area with	n a Wetland?	Yes No/		
Wetland Hydrology Present?	Yes	s No <b>_</b> _∠	If yes, optional Wetland S	ite ID:			
Remarks: (Explain alternative pr	·		)				
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of the content of the cont	f one is required; of the control of	Water-Stained Lea Aquatic Fauna (B1 Marl Deposits (B1 Hydrogen Sulfide Oxidized Rhizospl Presence of Redu	3) 5) Odor (C1) heres on Living Roots (C3) ced Iron (C4)	Secondary Indicators (minim Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table ( Crayfish Burrows (C8) Saturation Visible on Aeri	C2) al Imagery (C9)		
Algal Mat or Crust (B4)	-		ction in Tilled Soils (C6)	✓ Geomorphic Position (D2)			
Iron Deposits (B5) Inundation Visible on Aerial	Imagany (P7)	Thin Muck Surface Other (Explain in l		Shallow Aquitard (D3)			
Sparsely Vegetated Concave	0 ,	Other (Explain in i	Kemarks)	Microtopographic Relief (	D4)		
Sparsely vegetated concave	Surface (Bo)			FAC-Neutral Test (D5)			
Field Observations:							
Surface Water Present?	Yes No	Depth	(inches):	_			
Water Table Present?	Yes No	_ <b>✓</b> Depth	(inches):	Wetland Hydrology Present?	Yes No <b>/</b>		
Saturation Present?	Yes No	_ <b>✓</b> Depth	(inches):				
(includes capillary fringe)				-			
Describe Recorded Data (strear			iii				
Remarks:		ing well, derial prioto	s, previous inspections, ii	available.			
	id bydrology was s	hsaniad					
No positive indication of wetlan	u nyurology was c	userveu.					

<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet			
1.	% Cover	Species?	Status	Number of Dominant Speci Are OBL, FACW, or FAC:	es That	0	(A)
				Total Number of Dominant	Species		
2				Across All Strata:	.,	2	(B)
3.				Percent of Dominant Specie	es That	•	(4 (5)
4				Are OBL, FACW, or FAC:		0	(A/B)
5				Prevalence Index workshee	:t:		
6				Total % Cover of:		Multiply I	B <u>v:</u>
7				OBL species	0	x 1 =	0
	0	= Total Cov	er	FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size:15 ft)				FAC species	5	x 3 =	15
1				FACU species	0	x 4 =	0
2				UPL species	0	x 5 =	0
3.				Column Totals	5	_	
4.						(A) _	15 (B)
5.				Prevalence Index		3	
6.				Hydrophytic Vegetation Ind	icators:		
7.				1- Rapid Test for Hydr	ophytic V	egetation	
·-	0	= Total Cov		2 - Dominance Test is	> 50%		
		_ 10tal Cov	er	3 - Prevalence Index is	$5 \le 3.0^{1}$		
Herb Stratum (Plot size: <u>5 ft</u> )	20	.,		4 - Morphological Ada	ptations1	(Provide s	supporting
1. Asteracae	30	Yes	NI	data in Remarks or on a sep	oarate sh	eet)	
2. Asteracae	20	Yes	NI	Problematic Hydrophy	ytic Veget	ation¹ (Ex	plain)
3. <i>Galium boreale</i>	5	No	FAC	<sup>1</sup> Indicators of hydric soil an	d wetland	d hydrolog	gy must be
4				present, unless disturbed o	r problen	natic	
5.				Definitions of Vegetation St	rata:		
6.				Tree – Woody plants 3 in. (7		more in c	liameter at
7.				breast height (DBH), regard			
8.				Sapling/shrub - Woody plan		_	BH and
9.				greater than or equal to 3.2			
				Herb – All herbaceous (non			ardless of
11				size, and woody plants less		_	
11				Woody vines – All woody vin	nes great	er than 3.	28 ft in
12				height.	J		
	55	= Total Cov	er	Hydrophytic Vegetation Pro	ocont2 V	os N	0 /
Woody Vine Stratum (Plot size: 30 ft )				Trydrophytic vegetation Fro	esent: 1	C3 IN	·
1							
2							
3							
4							
	0	= Total Cov	er				
Demonstrat (In all all all all all and an annual base and an an an annual	\	-					I
Remarks: (Include photo numbers here or on a separat		500/ £ l					
No positive indication of hydrophytic vegetation was of	oservea (≥	50% or don	ilnant specie	es indexed as FAC+ or drier).			

	•	to the	•			indicato	r or confirm the al	bsence of indicators	s.)		
Depth	Matrix	0/	Redo			Los?	Tout			Domarka	
(inches)	Color (moist)	100	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Text			Remarks	
0 - 10	10YR 3/2	100	10)/D 1/6	10			Silty Cla				
10 - 14	10YR 3/2	90	10YR 4/6	10	C	M	Silty Cla				
14 - 20	10YR 4/2	80	10YR 4/6	20	C	M/PL	Silty Cla	y Loam			
		- —									
		- —									
¹Type: C =	Concentration, D =	Deplet	ion, RM = Reduce	d Ma	trix, MS =	- Masked	Sand Grains. <sup>2</sup> Lo	ocation: PL = Pore L	ining, l	M = Matrix.	
Hydric Soi	I Indicators:							Indicators for Pro	blemat	tic Hydric Soils³:	
Histoso							R, MLRA 149B)	2 cm Muck (A	10) <b>(LR</b> l	R K, L, MLRA 149B)	
	pipedon (A2)		Thin Dark S					Coast Prairie l	Redox (	(A16) <b>(LRR K, L, R)</b>	
	Histic (A3)		Loamy Muc	-			_)	5 cm Mucky P	eat or	Peat (S3) <b>(LRR K, L, R)</b>	
	gen Sulfide (A4)		Loamy Gley					Dark Surface (	(S7) <b>(LR</b>	R K, L)	
	ed Layers (A5) ed Below Dark Surf	faca (A1	Depleted M							face (S8) <b>(LRR K, L)</b>	
	Dark Surface (A12)	ace (A	Depleted Da			7)		Thin Dark Sur			
	Mucky Mineral (S1)		Redox Depr			,		•		sses (F12) <b>(LRR K, L, R</b>	
-	Gleyed Matrix (S4)		aaax 2 ap.	000.0	(. 0)					n Soils (F19) <b>(MLRA 14</b>	
-	Redox (S5)							•		MLRA 144A, 145, 149E	B)
_	ed Matrix (S6)							Red Parent M			
	urface (S7) <b>(LRR R,</b> I	MI RA 1	49R)					Very Shallow I			
	arrace (57) (Entry	WILIO ( I	150,					Other (Explain	in Rer	marks)	
3Indicators	s of hydrophytic ve	getatior	and wetland hyd	drolog	gy must l	oe preser	it, unless disturbe	d or problematic.			
Restrictive	Layer (if observed)	):									
	Type:		None			Hydric 9	Soil Present?	`	res	_ No <u>_</u>	
	Depth (inches):										
Remarks:											
No positiv	e indication of hydi	ric soils	was observed.								

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery	Sampling Date: 2020-Nov-12		
Applicant/Owner: ConnectGe	en	-	State: NY		Sampling Point: W-K	CF-22_UPL-2
Investigator(s): Kevin Ferguso	on , Jay Kaminski		Section, Township,	Range: N/	A	
Landform (hillslope, terrace, etc	:.): Hillslope		Local relief (concave, conv	ex, none):	Undulating	Slope (%): 2 to 5
Subregion (LRR or MLRA):	MLRA 144A of LRR R		Lat: 42.885787	Long:_	-74.37807195	Datum: WGS84
Soil Map Unit Name: Lansing	silt loam, 8 to 15 pe	rcent slopes			NWI classification	n: None
Are climatic/hydrologic condition	ns on the site typical	l for this time of ye	ar? Yes <u>✓</u> No	(If no	, explain in Remarks.)	)
Are Vegetation, Soil	or Hydrology _	significantly dis	sturbed? Are "Norm	al Circumst	ances" present?	Yes _ <b>✓</b> No
Are Vegetation, Soil	or Hydrology _	naturally probl	ematic? (If needed,	explain any	y answers in Remarks	;.)
CLIMANA DV OF FINIDINGS	Attach sita man	shawing campling	og point locations, trav	acceta ina	anartant faaturas	ote
SUMMARY OF FINDINGS –  Hydrophytic Vegetation Preser		No <u>_</u>		isects, im	portant reatures,	eic.
			la tha Camarlad Arras with	\A/-+l	-la V-	a Na (
Hydric Soil Present?		No	Is the Sampled Area withi		ı, te	s No⁄_
Wetland Hydrology Present?	Yes _	No _ <b>_</b> _	If yes, optional Wetland S	ite ID:		
Wetland Hydrology Indicators: Primary Indicators (minimum of the content of the c	of one is required; ch ————————————————————————————————————	Water-Stained Lea Aquatic Fauna (B1 Marl Deposits (B1 Hydrogen Sulfide Oxidized Rhizosph Presence of Reduc	3) 5) Odor (C1) neres on Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7)	Surface Draina; Moss T Dry-Sea Crayfis Satural Stuntee Geomo	v Indicators (minimum e Soil Cracks (B6) ge Patterns (B10) Trim Lines (B16) ason Water Table (C2 sh Burrows (C8) tion Visible on Aerial I d or Stressed Plants ( prphic Position (D2) w Aquitard (D3) opographic Relief (D4	.) Imagery (C9) D1)
				FAC-Ne	eutral Test (D5)	
Field Observations:						
Surface Water Present?	Yes No	<u>✓</u> Depth	(inches):	_		
Water Table Present?	Yes No	✓ Depth	(inches):	Wetland H	lydrology Present?	Yes No <b>∠</b>
Saturation Present?	Yes No	✓ Depth	(inches):			
(includes capillary fringe)				-		
Remarks:  No positive indication of wetlan			s, previous inspections), if	available:		

				T		1
<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	1	(4)
1. Fraxinus pennsylvanica	40	Yes	FACW	Are OBL, FACW, or FAC:		(A)
2. Quercus rubra	20	Yes	FACU	Total Number of Dominant Species	4	(B)
3. Acer saccharum	20	Yes	FACU	Across All Strata:		(B)
4.				Percent of Dominant Species That	25	(A/B)
5.				Are OBL, FACW, or FAC:		
6.				Prevalence Index worksheet:		
7.				Total % Cover of:	<u>Multiply</u>	By:
··	80	= Total Cov	or	OBL species 0	x 1 =	0
Sapling/Shrub Stratum (Plot size:15 ft)		- 10101 COV	Ci	FACW species 40	x 2 =	80
1. Fagus grandifolia	10	Yes	FACU	FAC species 0	x 3 =	0
	10	162	FACU	FACU species 52	x 4 =	208
2				UPL species 0	x 5 =	0
3.				Column Totals 92	(A)	288 (B)
4				Prevalence Index = B/A =	3.1	
5				Hydrophytic Vegetation Indicators:		
6				1- Rapid Test for Hydrophytic	√egetation	
7				2 - Dominance Test is > 50%	-8	
	10	= Total Cov	er	3 - Prevalence Index is $\leq 3.0^{\circ}$		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptations	1 (Provide	sunnorting
1. Allium tricoccum	2	No	FACU	data in Remarks or on a separate sl	-	3466.18
2				Problematic Hydrophytic Vege		(plain)
3				¹Indicators of hydric soil and wetlan		
4.				present, unless disturbed or proble		Б)
5.				Definitions of Vegetation Strata:		-
6.				Tree – Woody plants 3 in. (7.6 cm) o	r more in (	diameter at
7.				breast height (DBH), regardless of h		
8.				Sapling/shrub – Woody plants less t	_	DBH and
9.				greater than or equal to 3.28 ft (1 m		
10				Herb – All herbaceous (non-woody)		gardless of
11				size, and woody plants less than 3.2	8 ft tall.	
				Woody vines – All woody vines grea	ter than 3.	.28 ft in
12		- Total Cox		height.		
March Marc Charles (Districts 20 ft )	2	= Total Cov	er	Hydrophytic Vegetation Present?	Yes N	lo 🗸
Woody Vine Stratum (Plot size: 30 ft )				.,,		
1						
2.						
3						
4						
	0	= Total Cov	er			
Remarks: (Include photo numbers here or on a separate	e sheet.)			_		
No positive indication of hydrophytic vegetation was ob		50% of don	ninant specie	es indexed as FAC- or drier).		
, , , , , , , , , , , , , , , , , , ,				,		

	•	to the d	•			ndicator	or confirm the a	bsence of indicators	s.)	
Depth _	Matrix		Redo	k Feat	ures					
(inches)	Color (moist)	<u> </u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Text			Remarks
0 - 8	10YR 3/2	100					Silt L			
8 - 14	10YR 4/1	60	10YR 5/2	40	D	M	Silty Cla	y Loam		
14 - 20	10YR 5/1	90	10R 4/6	10	C	M	Silty Cla	y Loam		
		·								
		·								
¹Type: C = C	Concentration, D =	Depleti	on, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. <sup>2</sup> L	ocation: PL = Pore L	ining,	M = Matrix.
Hydric Soil			•					Indicators for Pro		
Histosol			Polyvalue Be	low S	urface (S	8) <b>(LRR I</b>	R, MLRA 149B)			R K, L, MLRA 149B)
	oipedon (A2)		Thin Dark Su							(A16) (LRR K, L, R)
Black Hi	stic (A3)		Loamy Muck							Peat (S3) <b>(LRR K, L, R)</b>
Hydroge	en Sulfide (A4)		Loamy Gleye	d Ma	trix (F2)			Dark Surface (		
Stratifie	d Layers (A5)		Depleted Ma	ıtrix (F	3)					face (S8) <b>(LRR K, L)</b>
·	d Below Dark Surf	ace (A1´			` '			Thin Dark Surf		
l ——	ark Surface (A12)		Depleted Da							sses (F12) <b>(LRR K, L, R)</b>
_	lucky Mineral (S1)		Redox Depre	essior	ıs (F8)			_		n Soils (F19) <b>(MLRA 149B)</b>
-	Gleyed Matrix (S4)									MLRA 144A, 145, 149B)
	ledox (S5)							Red Parent Ma		
	d Matrix (S6)							Very Shallow [		
Dark Su	rface (S7) <b>(LRR R, N</b>	MLRA 14	I9B)					Other (Explain		
3Indicators	of hydrophytic veg	getation	and wetland hyd	rolog	y must be	e presen	t, unless disturbe	ed or problematic.		
Restrictive I	ayer (if observed)	:								
	Type:		None			Hydric	Soil Present?	١	⁄es	No⁄_
	Depth (inches):					1				<del>_</del>
Remarks:						1				
	indication of hydr	ic soils v	was observed.							
rvo positive	maleution of rigur	10 30113 1	vas observea.							

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/County:	Fultonville, Montgomery	Sampling Date: 2020-Nov-13			
Applicant/Owner: ConnectGer	າ	State: NY	Sampling	g Point: W-KCF-23_PEM-1		
Investigator(s): Kevin Fergusor	າ , Jay Kaminski	Section, Township,	Range: N/A			
Landform (hillslope, terrace, etc.)	): Marsh	Local relief (concave, conv	ex, none): Concave	e Slope (%): 0 to 1		
Subregion (LRR or MLRA):	MLRA 144A of LRR R	<b>Lat:</b> 42.88790247	Long: -74.3816	57467 <b>Datum:</b> WGS84		
Soil Map Unit Name: Ilion silt l	oam, 0 to 3 percent slopes		NW	/I classification: None		
Are climatic/hydrologic condition	s on the site typical for this time	of year? Yes _✓_ No	(If no, explain	in Remarks.)		
Are Vegetation, Soil,	or Hydrology significant	tly disturbed? Are "Norma	al Circumstances" p	resent? Yes 🟒 No		
Are Vegetation, Soil,	or Hydrology naturally բ	problematic? (If needed,	explain any answer	s in Remarks.)		
SUMMARY OF FINDINGS – A	Attach site map showing san	npling point locations, trar	sects, importan	t features, etc.		
Hydrophytic Vegetation Present	? Yes No					
Hydric Soil Present?	Yes No	Is the Sampled Area withi	n a Wetland?	Yes/_ No		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:	W-KCF-23		
	ocedures here or in a separate re					
	nd, all three wetland parameters	•				
Covertype is PEM. Area is wellar	id, all three wetland parameters a	are present.				
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; check all that ap	<u>pply)</u>	•	ors (minimum of two required)		
∕_ Surface Water (A1)	_ <b>∠</b> Water-Staine	d Leaves (B9)	Surface Soil Cra			
High Water Table (A2)	Aquatic Faun		<u>✓</u> Drainage Patter			
✓ Saturation (A3)	Marl Deposits		Moss Trim Line			
Water Marks (B1)	Hydrogen Su		Dry-Season Wa			
Sediment Deposits (B2)	Oxidized Rhiz	zospheres on Living Roots (C3)	Crayfish Burrov			
Drift Deposits (B3)	Presence of F	Reduced Iron (C4)		ole on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Recent Iron F	Reduction in Tilled Soils (C6)	Stunted or Stre			
Iron Deposits (B5)	Thin Muck Su		Geomorphic Po			
✓ Inundation Visible on Aerial I	lmagery (B7) Other (Explain	n in Remarks)	Shallow Aquita			
Sparsely Vegetated Concave	Surface (B8)		✓ Microtopograph			
			<u>✓</u> FAC-Neutral Tes	st (D5)		
Field Observations: Surface Water Present?	Yes _ 🗸 No Do	epth (inches): 2				
		· · · · · · · · · · · · · · · · · · ·	Markland I budgalan	v.Dunnant2 Vos 4 No		
Water Table Present?			Wetland Hydrology	y Present? Yes _✓_ No		
Saturation Present?	Yes No D	epth (inches):				
(includes capillary fringe)						
Describe Recorded Data (stream	n gauge, monitoring well, aerial pl	hotos, previous inspections), if a	available:			
Remarks:						
The criterion for wetland hydrol	ogy is met.					

Tree Stratum (Plot size: 30 ft )		Dominant Species?	Indicator Status	Dominance Test workshe Number of Dominant Spe		2	(A)
1 2				Are OBL, FACW, or FAC: Total Number of Domina	nt Species	2	(B)
3				Across All Strata: Percent of Dominant Spe	cies That	100	(A/B)
5.				Are OBL, FACW, or FAC:			
6.				Prevalence Index worksh			
7.				Total % Cover of		Multiply I	-
	0	= Total Cov	er	OBL species	60	x 1 = _	60
Sapling/Shrub Stratum (Plot size:15 ft)	-	=		FACW species	20	x 2 = _	40
1.				FAC species	0	x 3 = _	0
2.				FACU species	0	x 4 =	0
3.				UPL species	0	x 5 =	0
4.				Column Totals	80	(A) _	100 (B)
5.				Prevalence Inde	ex = B/A =	1.3	
6.				Hydrophytic Vegetation I	ndicators:		
7.				1- Rapid Test for Hy	drophytic V	egetation/	
	0	= Total Cov	er	2 - Dominance Test	is >50%		
Herb Stratum (Plot size: 5 ft )		- 10tal Cov	Ci	3 - Prevalence Index	$c \text{ is } \leq 3.0^{1}$		
1. Leersia oryzoides	50	Yes	OBL	4 - Morphological A			supporting
2. Phalaris arundinacea	20	Yes	FACW	data in Remarks or on a s	-		
3. Carex diandra	5	No	OBL	- Problematic Hydrop	, ,	-	
	5	No	OBL	¹Indicators of hydric soil			gy must be
· <u> </u>		INU	OBL	present, unless disturbed	-	natic	
5.				Definitions of Vegetation			
6.				Tree – Woody plants 3 in.			liameter at
7				breast height (DBH), rega		_	DIII
8.				Sapling/shrub – Woody p greater than or equal to 3			BH and
9.				Herb – All herbaceous (no			ardless of
10				size, and woody plants le	-		gai uless oi
11				Woody vines – All woody			28 ft in
12				height.	viries great	.cr triarr 5	2010111
	80	_= Total Cov	er		Duccout? \	/a- / NI	
Woody Vine Stratum (Plot size:30 ft)				Hydrophytic Vegetation	Present?	res <u> </u>	0
1							
2				.			
3.							
4							
	0	= Total Cov	er				
Remarks: (Include photo numbers here or on a separate A positive indication of hydrophytic vegetation was obse		0% of domir	ant species	indexed as OBL, FACW, or I	FAC).		

		to the				indicato	r or confirm the a	bsence of indicators.)
Depth _	Matrix		Redo	x Fea	tures			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0 - 8	10YR 3/2	95	10R 4/6	5	C	M/PL	Silty Clay	
8 - 20	10YR 3/1	80	10R 4/6	20	С	M/PL	Silty Clay	
		_		_			-	
		_		_			•	
				_				
							•	<del></del>
¹Type: C = 0	Concentration, D =	Deple	tion, RM = Reduce	ed Ma	trix, MS	= Masked	l Sand Grains. <sup>2</sup> L	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators for Problematic Hydric Soils <sup>3</sup> :
Histoso	l (A1)		Polyvalue E	Below	Surface (	(S8) <b>(LRR</b>	R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic E	oipedon (A2)		Thin Dark S	urfac	e (S9) <b>(LR</b>	R R, MLR	A 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Loamy Mud	ky Mi	neral (F1	) (LRR K,	L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Gley	,ed M	atrix (F2)			
	d Layers (A5)		Depleted N	latrix	(F3)			Dark Surface (S7) (LRR K, L)
	d Below Dark Surf	ace (A						Polyvalue Below Surface (S8) (LRR K, L)
	ark Surface (A12)		Depleted D			7)		Thin Dark Surface (S9) (LRR K, L)
	Mucky Mineral (S1)		Redox Dep			, ,		Iron-Manganese Masses (F12) (LRR K, L, R)
			Redox Dep	1 63310	1113 (110)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy F	Redox (S5)							Red Parent Material (F21)
Strippe	d Matrix (S6)							Very Shallow Dark Surface (TF12)
Dark Su	ırface (S7) <b>(LRR R, N</b>	MLRA 1	49B)					Other (Explain in Remarks)
								•
	of hydrophytic veg		n and wetland hy	drolo	gy must l	be presei	nt, unless disturbe	d or problematic.
	Layer (if observed) _	•				l		
	Type:		None			Hydric :	Soil Present?	Yes No
	Depth (inches):							
Remarks:								
A positive in	ndication of hydric	soil w	as observed.					
	, , ,							
L								

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/County: Fu	ltonville, Montgomery	Sampling Date	2020-Nov-13
Applicant/Owner: ConnectGe	n	State: NY	Sampling Point:	W-KCF-23_PFO-2
Investigator(s): Kevin Ferguson	ո , Jay Kaminski	Section, Township,	Range: N/A	
Landform (hillslope, terrace, etc.	): Flood Plain	Local relief (concave, conve	ex, none): Concave	Slope (%): 0 to 1
Subregion (LRR or MLRA):	MLRA 144A of LRR R	Lat: 42.88797637	Long: -74.38046514	Datum: WGS84
Soil Map Unit Name:llion silt	loam, 0 to 3 percent slopes		NWI classif	ication: None
Are climatic/hydrologic conditior	ns on the site typical for this time of y	rear? Yes _✓_ No	(If no, explain in Rem	arks.)
Are Vegetation, Soil,	or Hydrology significantly o		al Circumstances" present?	
Are Vegetation, Soil,	or Hydrology naturally pro	blematic? (If needed,	explain any answers in Rer	narks.)
SUMMARY OF FINDINGS - A	Attach site map showing samp	ling point locations, tran	sects, important featu	res, etc.
Hydrophytic Vegetation Present	? Yes <u></u> ✓ No			
Hydric Soil Present?	Yes _ <b>✓</b> No	Is the Sampled Area within	n a Wetland?	Yes/_ No
		· ·		
Wetland Hydrology Present?	Yes No	If yes, optional Wetland Si	te ID:	W-KCF-23
Remarks: (Explain alternative pr	ocedures here or in a separate repo	rt)		
Covertype is PFO. Area is wetlar	nd, all three wetland parameters are	present.		
2010.1960.51.017.1104.151101.14	a, an en ee rrenana parameters are	p. 656		
	-	•		
HADBOI OCA				
HYDROLOGY				
Matlend Hudus Is at Indianteur.				
Wetland Hydrology Indicators:				
Primary Indicators (minimum of	f one is required; check all that apply	)	Secondary Indicators (mini	imum of two required)
· · · · · · · · · · · · · · · · · · ·		-	•	•
Surface Water (A1)	⁄ Water-Stained Le	eaves (B9)	Surface Soil Cracks (B6)	
✓ High Water Table (A2)	Aquatic Fauna (E	313)	✓ Drainage Patterns (B10	)
✓ Saturation (A3)	Marl Deposits (B	15)	Moss Trim Lines (B16)	- (63)
Water Marks (B1)	Hydrogen Sulfid		Dry-Season Water Tabl	e (C2)
Sediment Deposits (B2)		oheres on Living Roots (C3)	Crayfish Burrows (C8)	
Drift Deposits (B3)	Presence of Red	_	Saturation Visible on A	• •
Algal Mat or Crust (B4)	<del></del>	uction in Tilled Soils (C6)	Stunted or Stressed Pla	ants (D1)
Iron Deposits (B5)	Thin Muck Surfa		✓ Geomorphic Position (I	02)
•			Shallow Aquitard (D3)	
Inundation Visible on Aerial		Remarks)	✓ Microtopographic Relie	ef (D4)
✓ Sparsely Vegetated Concave	Surface (B8)		✓ FAC-Neutral Test (D5)	,
Field Observations			- The Neutral Test (DS)	
Field Observations:				
Surface Water Present?	Yes No _ <b>_/</b> Dept	h (inches):		
Water Table Present?	Yes No Dept	h (inches): 6	Wetland Hydrology Preser	nt? Yes No
Saturation Present?	Yes 🗸 No Dept	h (inches): 0		
(includes capillary fringe)				
		_		·
Describe Recorded Data (stream	n gauge, monitoring well, aerial phot	os, previous inspections), if a	ıvailable:	
Remarks:				
The criterion for wetland hydrol	ogv is met.			
The checitor for Wedana hydrol	ogy is med.			

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet:		
		Species?	Status	Number of Dominant Species Tha	5	(A)
1. Fraxinus pennsylvanica	30	Yes	FACW	Are OBL, FACW, or FAC: Total Number of Dominant Specie		
2. Acer rubrum		Yes	FAC	- Across All Strata:	5	(B)
3. <u>Acer saccharinum</u>	10	No	FACW	Percent of Dominant Species That		
4				- Are OBL, FACW, or FAC:	100	(A/B)
5				Prevalence Index worksheet:		
6				Total % Cover of:	Multiply E	Bv:
7				OBL species 2	x 1 =	2
	60	= Total Cov	er	FACW species 50	x 2 =	100
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species 20	x3=	60
1. <i>Fraxinus pennsylvanica</i>	5	Yes	FACW	FACU species 0	_ x 4 =	0
2				- UPL species 0	_ x5=	0
3				Column Totals 72	_	162 (B)
4.				-	_ (A)	102 (b)
5.				Prevalence Index = B/A =		
6.				Hydrophytic Vegetation Indicators		
7.				1- Rapid Test for Hydrophytic	Vegetation	
	<u> </u>	= Total Cov	er	2 - Dominance Test is >50%		
Herb Stratum (Plot size: <u>5 ft</u> )		-		3 - Prevalence Index is ≤ 3.0¹		
1. Onoclea sensibilis	5	Yes	FACW	4 - Morphological Adaptation		upporting
2. Leersia oryzoides		Yes	OBL	data in Remarks or on a separate		-l-:-\
3.			-	Problematic Hydrophytic Veg		-
4.				Indicators of hydric soil and wetla present, unless disturbed or probl	, .	y must be
 5.				· · · · · · · · · · · · · · · · · · ·	emanc	
6.				Definitions of Vegetation Strata:		:
7.				Tree – Woody plants 3 in. (7.6 cm) breast height (DBH), regardless of		iameter at
7. 8.				Sapling/shrub – Woody plants less		RH and
o. 9.				greater than or equal to 3.28 ft (1		Dirana
				Herb – All herbaceous (non-wood)		ardless of
10.				size, and woody plants less than 3		a. a.c.s o.
11.				Woody vines – All woody vines gre		28 ft in
12				height.		
	7	= Total Cov	er	Hydrophytic Vegetation Present?	Ves / No	n
Woody Vine Stratum (Plot size: <u>30 ft</u> )				Trydrophytic Vegetadom Fesche.	103110	
1				-		
2				-		
3				-		
				-		
4.			er			

Profile Des	cription: (Describe t	o the	-			indicato	r or confirm the	absence of indicato	rs.)
Depth	Matrix		Redox	Featu	ıres				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Tex	ture	Remarks
0 - 14	10YR 3/1	80	10YR 4/6	20	C	M	Silty Cla	ay Loam	
14 - 20	10YR 4/1	90	10YR 4/6	10		M	Silty	/ Clay	
		. —							
		· —							
	•	. —	_				-	·	
1Type: C = 0	Concentration, D = I	Denleti	on RM = Reduced	Mati	ix MS =	Masked	Sand Grains 2	Location: PL = Pore	Lining M = Matrix
Hydric Soil		эсрісс	on, ravi	ı ıvıacı	17, 1113	Maskea	Saria Grains.		oblematic Hydric Soils³:
Histoso			Dobavaluo Po	Jose C	urfaco (S	.07 (I DD I	R, MLRA 149B)		
			Polyvalue Be						410) <b>(LRR K, L, MLRA 149B)</b>
Black H	oipedon (A2)		Loamy Muck						e Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye	•		(LKK K, I	-)		Peat or Peat (S3) (LRR K, L, R)
	d Layers (A5)		Depleted Ma					Dark Surface	e (S7) <b>(LRR K, L)</b>
	d Below Dark Surfa	rο (Δ1						Polyvalue Be	elow Surface (S8) (LRR K, L)
	ark Surface (A12)	100 (711	Depleted Da			١		Thin Dark Su	ırface (S9) <b>(LRR K, L)</b>
	Mucky Mineral (S1)		Redox Depre			<b>,</b>		Iron-Mangar	nese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)		Redox Depre	233101	13 (1 0)			Piedmont Flo	oodplain Soils (F19) <b>(MLRA 149B)</b>
-	•							Mesic Spodio	c (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	Redox (S5)							Red Parent N	Material (F21)
	d Matrix (S6)							Very Shallow	Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	ILRA 14	19B)					Other (Expla	in in Remarks)
3Indicators	of hydrophytic veg	etation	and wetland hyd	rology	y must be	e preser	it, unless disturb	ed or problematic.	
Restrictive	Layer (if observed):								
	Type:		None			Hydric	Soil Present?	•	Yes No
	Depth (inches):					1			<del></del>
Remarks:	Depart (menes).					1			
	ndication of hydric	coil wa	s observed						
A positive ii	idication of flydric	SOII Wa	s observed.						

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery		Sampling Date: 20	20-Nov-13
Applicant/Owner: ConnectGe	en .		State: NY		Sampling Point: W-K	CF-23_UPL-1
Investigator(s): Kevin Ferguso	on , Jay Kaminski		Section, Township,	Range: N/	'A	
Landform (hillslope, terrace, etc	:.): Foot slope		Local relief (concave, conv	/ex, none):_	Concave	Slope (%): 2 to 5
Subregion (LRR or MLRA):	MLRA 144A of LRR R		Lat: 42.88779477	Long:_	-74.3816842	Datum: WGS84
Soil Map Unit Name: Ilion silt	loam, 0 to 3 percent	slopes			NWI classification	n: None
Are climatic/hydrologic conditio	ns on the site typical	for this time of ye	ar? Yes <u>✓</u> No	(If no	, explain in Remarks.)	)
Are Vegetation $\underline{\checkmark}$ , Soil $\underline{\checkmark}$ ,	or Hydrology	significantly dis	sturbed? Are "Norm	al Circumst	tances" present?	Yes No
Are Vegetation, Soil,	or Hydrology	naturally probl	ematic? (If needed,	explain any	y answers in Remarks	<b>;.)</b>
SUMMARY OF FINDINGS -	Attach site map s	howing sampli	ng point locations, trai	nsects, im	portant features,	etc.
Hydrophytic Vegetation Presen		No	<u> </u>		•	
, , ,			 		-12 \	- No 4
Hydric Soil Present?		No <u>_</u>	Is the Sampled Area withi	in a wetiand	o? ye	s No⁄_
Wetland Hydrology Present?	Yes	No <b>/</b> _	If yes, optional Wetland S	ite ID:		
Remarks: (Explain alternative p	rocedures here or in	a separate report	)			
Covertype is UPL. Area is uplan	d, not all three wetla	ind parameters are	e present. Circumstances a	are not norr	mal due to agricultura	al activities.
Circumstances are not normal	due to mowing of ve	getation.	•		· ·	
	ade to moving or ve	getation.				
LIVEROLOCY						
HYDROLOGY						
Wetland Hydrology Indicators:						
Primary Indicators (minimum o	of one is required; ch	eck all that apply)		Secondary	y Indicators (minimun	n of two required)
		<del></del>		-	e Soil Cracks (B6)	
Surface Water (A1)		Water-Stained Lea			ige Patterns (B10)	
High Water Table (A2)		Aquatic Fauna (B1			Trim Lines (B16)	
Saturation (A3)		Marl Deposits (B1			ason Water Table (C2	)
Water Marks (B1)		Hydrogen Sulfide		-	sh Burrows (C8)	,
Sediment Deposits (B2)			neres on Living Roots (C3)	-	tion Visible on Aerial	Imagery (C9)
Drift Deposits (B3)		Presence of Redu	ced Iron (C4)		d or Stressed Plants (	• •
Algal Mat or Crust (B4)		Recent Iron Reduc	ction in Tilled Soils (C6)		-	DIJ
Iron Deposits (B5)		Thin Muck Surface	e (C7)		orphic Position (D2)	
Inundation Visible on Aerial	Imagery (B7)	Other (Explain in I	Remarks)		w Aquitard (D3)	
Sparsely Vegetated Concave					opographic Relief (D4	.)
				FAC-N	eutral Test (D5)	
Field Observations:						
Surface Water Present?	Yes No _ <b>_</b>	∠ Depth	(inches):	_		
Water Table Present?	Yes No _ <b>.</b>	∠ Depth	(inches):	Wetland F	Hydrology Present?	Yes No
Saturation Present?	Yes No _ <b>_</b>	✓ Depth	(inches):	_		
(includes capillary fringe)				-		
				<u></u>		<del></del> -
Describe Recorded Data (strea	m gauge, monitoring	well, aerial photo:	s, previous inspections), if	available:		
Remarks:						
The criterion for wetland hydro	logy is not met.					

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant	Indicator	Dominance Test works			
1.	% Cover	Species?	Status	Number of Dominant S Are OBL, FACW, or FAC		1	(A)
2.				Total Number of Domii Across All Strata:	nant Species	2	(B)
k k				Percent of Dominant S	•	50	(A/B)
5.				Are OBL, FACW, or FAC  Prevalence Index work			
				- Total % Cover		Multiply	Dv.e
				- OBL species	0	Multiply I x 1 =	<del>оу.</del> О
	0	= Total Cov	er	FACW species	20	x 2 =	40
apling/Shrub Stratum (Plot size: 15 ft )				FAC species	0	x3=	0
·				FACU species	70	x 4 =	280
				- UPL species	0	x5=	0
i				- Column Totals	90	_	320 (B)
i. The state of th				<del>-</del>		(A) _	320 (b)
				Prevalence Ir		3.6	<del></del>
5.				Hydrophytic Vegetation			
7.				1- Rapid Test for I	, ,	egetation/	
		= Total Cov	er	2 - Dominance Te			
lerb Stratum (Plot size: <u>5 ft</u> )		=		3 - Prevalence Inc			
. Trifolium repens	60	Yes	FACU	4 - Morphological			supporting
Phalaris arundinacea	20	Yes	FACW	data in Remarks or on			
3. Lathyrus pratensis		No	FACU	- Problematic Hydr			
l. Dactylis glomerata	5	No	FACU	- Indicators of hydric so		, .	gy must be
i. Dactyns giornerata		110	TACO	present, unless disturb		natic	
5.				Definitions of Vegetation			
<del></del>				Tree – Woody plants 3			liameter a
7		·		breast height (DBH), re Sapling/shrub – Woody	_	_	DILand
3.				greater than or equal t	-		DH allu
).				Herb – All herbaceous			rardlass o
0				size, and woody plants			ai aicss o
11				Woody vines – All wood			28 ft in
2				height.	ay ves 8. ea.		
	90	= Total Cov	er	Hydrophytic Vegetatio	n Drocont2 \	/oc N	o /
Noody Vine Stratum (Plot size: <u>30 ft</u> )				Tiyuropriytic vegetatio	iii ri eseiit:	IC3 IN	·
•				_			
				_			
3				=			
1				-			
	0	= Total Cov	er				

		to the d				ndicato	or confirm the a	absence of indicator	rs.)
Depth	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc2	Tex	cture	Remarks
0 - 12	10YR 3/2	100					Silty Cl	ay Loam	
12 - 20	10YR 3/1	80	10YR 4/6	20	C	M	Silty	y Clay	
	_		•	_					
				_					
				_					
¹Type: C = 0	Concentration, D =	Depleti	on, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. 2	Location: PL = Pore	Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators for Pro	oblematic Hydric Soils³:
Histoso	l (A1)		Polyvalue Be	low S	urface (S	8) <b>(LRR</b> I	R, MLRA 149B)	2 cm Muck (A	.10) (LRR K, L, MLRA 149B)
Histic E	pipedon (A2)		Thin Dark Su	rface	(S9) (LRR	R, MLR	A 149B)		Redox (A16) <b>(LRR K, L, R)</b>
Black H	istic (A3)		Loamy Muck	y Min	eral (F1)	(LRR K, I	-)		Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye					Dark Surface	
	ed Layers (A5)		Depleted Ma						ow Surface (S8) (LRR K, L)
	ed Below Dark Surf	face (A11							rface (S9) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Da			)			ese Masses (F12) (LRR K, L, R)
Sandy N	Mucky Mineral (S1)		Redox Depre	essior	ıs (F8)				odplain Soils (F19) <b>(MLRA 149B)</b>
Sandy 0	Gleyed Matrix (S4)							<del></del>	(TA6) (MLRA 144A, 145, 149B)
Sandy I	Redox (S5)							Red Parent M	
Strippe	d Matrix (S6)								Dark Surface (TF12)
Dark Su	urface (S7) <b>(LRR R, I</b>	MLRA 14	19B)					Other (Explain	
31	- £ h						6 l   1 - 6	•	ii iii Keilia Ksj
			and wetland nyd	rolog	y must be	e presen	t, uniess disturb	ed or problematic.	-
Restrictive	Layer (if observed)	).	Nicon			L to colori o	C-11 P		V N- (
	Type:		None			Hyaric	Soil Present?		Yes No
	Depth (inches):								
Remarks:									
No positive	indication of hydr	ric soils v	was observed.						

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fult	onville, Montgomery		Sampling Date: 20	20-Nov-13
Applicant/Owner: ConnectGe	า	-	State: NY		Sampling Point: W-K	CF-23_UPL-2
Investigator(s): Kevin Ferguson	າ , Jay Kaminski		Section, Township,	Range: N/	'A	
Landform (hillslope, terrace, etc.	): Hillslope		Local relief (concave, conv	/ex, none):	Convex	<b>Slope (%):</b> 2 to 5
Subregion (LRR or MLRA):	ЛLRA 144A of LRR R	1	Lat: 42.88790294	Long:_	-74.38045921	Datum: WGS84
Soil Map Unit Name: Ilion silt	oam, 0 to 3 percen	t slopes			NWI classificatio	n: None
Are climatic/hydrologic condition	s on the site typical	l for this time of ye	ear? Yes 🟒 No	(If no	, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology _	significantly di	sturbed? Are "Norm	al Circumst	ances" present?	Yes No
Are Vegetation, Soil,	or Hydrology $\_$	naturally prob	lematic? (If needed,	explain any	y answers in Remarks	i.)
SUMMARY OF FINDINGS – A	Attach site map s	showing sampli	ng point locations, trai	nsects. im	portant features.	etc.
Hydrophytic Vegetation Present	-	No		<u> </u>	<u>'</u>	
Hydric Soil Present?	Yes _	No <b>/</b> _	Is the Sampled Area withi	in a Wetland	d? Ye:	s No⁄_
Wetland Hydrology Present?	Yes	No <b>/</b> _	If yes, optional Wetland S	ite ID:		
Remarks: (Explain alternative pr Covertype is UPL. Area is upland						
HYDROLOGY Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required; ch	eck all that apply)		Secondary	/ Indicators (minimum	of two required)
	•		········ (DO)	-	e Soil Cracks (B6)	,
Surface Water (A1)		Water-Stained Lea		Draina	ge Patterns (B10)	
High Water Table (A2) Saturation (A3)		_ Aquatic Fauna (B1 _ Marl Deposits (B1		Moss T	Γrim Lines (B16)	
Water Marks (B1)		_ Hydrogen Sulfide		-	ason Water Table (C2)	)
Sediment Deposits (B2)			heres on Living Roots (C3)	-	sh Burrows (C8)	
Drift Deposits (B3)		Presence of Redu	_		tion Visible on Aerial I	
Algal Mat or Crust (B4)		=	ction in Tilled Soils (C6)		d or Stressed Plants (I	D1)
Iron Deposits (B5)		Thin Muck Surface	e (C7)		orphic Position (D2)	
Inundation Visible on Aerial	magery (B7)	Other (Explain in l	Remarks)		w Aquitard (D3)	١
Sparsely Vegetated Concave	Surface (B8)				opographic Relief (D4 eutral Test (D5)	•)
Field Observations:					zaciai iest (DS)	
Surface Water Present?	Yes No	./ Denth	(inches):			
Water Table Present?	Yes No	'	· -	- Motland H	Hydrology Present?	Yes No _ <b>_</b> ∠
			(inches):	- Welland n	iyurology Present:	163 110
Saturation Present?	Yes No	<u>/</u> Depth	(inches):	-		
(includes capillary fringe)						
Remarks:  No positive indication of wetlan			s, previous inspections), ii d	ачанаше.		

<u>rree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Specie			
1. <i>Fraxinus americana</i>	30	Yes	FACU	Are OBL, FACW, or FAC:		2	(A)
2. Quercus rubra	<u></u> 	Yes	FACU	Total Number of Dominant	Species	5	(D)
a. Tsuga canadensis	10	No	FACU	Across All Strata:	_	5	(B)
. Carya ovata		No	FACU	Percent of Dominant Specie	s That	40	(A/B)
. Carya Ovata			FACO	Are OBL, FACW, or FAC:		40	(A/ b)
·				Prevalence Index worksheet	t:		
				Total % Cover of:		<u>Multiply</u>	<u>By:</u>
	60	= Total Cov	or	OBL species	0	x 1 =	0
andina/Church Churchura (Dich sings 45 ft )		_ 10tal Cov	ei	FACW species	0	x 2 =	0
pling/Shrub Stratum (Plot size: 15 ft )	20	\/	FAC	FAC species	25	x 3 =	75
Acer rubrum		Yes	FAC	FACU species	75	x 4 =	300
Lonicera morrowii	5	No	FACU	UPL species	0	x 5 =	0
Tsuga canadensis	5	<u>No</u>	FACU	Column Totals 1	00	(A)	375 (B
				Prevalence Index	= B/A =	3.8	
				Hydrophytic Vegetation Indi	icators:	<u></u>	,
				1- Rapid Test for Hydro		egetation	
				2 - Dominance Test is		egetation	
	30	= Total Cov	er	3 - Prevalence Index is			
erb Stratum (Plot size: <u>5 ft</u> )				4 - Morphological Adap		(Provide	sunnartin
Dryopteris intermedia	5	Yes	FAC	data in Remarks or on a sep			supportin
Solidago flexicaulis	5	Yes	FACU	Problematic Hydrophy			nlain)
				¹Indicators of hydric soil and	_		•
				present, unless disturbed or		-	5y 11103C D
				Definitions of Vegetation Str	-	10110	
				Tree – Woody plants 3 in. (7.		more in a	diameter a
				breast height (DBH), regard	-		alairietti t
-				Sapling/shrub - Woody plan		_	BH and
				greater than or equal to 3.2			
				Herb – All herbaceous (non-			gardless o
1				size, and woody plants less	3.1		,
				Woody vines – All woody vir			28 ft in
2		Takal Car		height.			
, l.v. c	10	= Total Cov	er	Hydrophytic Vegetation Pre	esent? Ye	es N	lo ./
oody Vine Stratum (Plot size: 30 ft )				.,,,			
•							
· <u></u>							
	0	= Total Cov	er	1			

	•	to the d	•			ndicato	or confirm the a	bsence of indicators.)		
Depth _	Matrix	0/	Redox			1002	Tout			Domarks
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Text			Remarks
0 - 10	10YR 3/2	100					Silty Cla			
10 - 20	10YR 4/2	90	10YR 4/6	10	C	M	Silty Cla	y Loam		
		- —								
¹Tvpe: C = 0	 Concentration, D =	Depletio	on. RM = Reduced	— I Mati	rix. MS =	Masked	Sand Grains. <sup>2</sup> L	ocation: PL = Pore Lin	ing. M = 1	Matrix.
Hydric Soil			,		,			Indicators for Probl	_	
Histoso			Polyvalue Be	low S	urface (S	8) <b>(I RR</b> I	R, MLRA 149B)		-	
	pipedon (A2)		Thin Dark Su					2 cm Muck (A10		
	istic (A3)		Loamy Muck					Coast Prairie Re		
	en Sulfide (A4)		Loamy Gleye	-		(	-,	5 cm Mucky Pea		
	d Layers (A5)		Depleted Ma					Dark Surface (S7		
	d Below Dark Surf	ace (A11	•					Polyvalue Below		
Thick D	ark Surface (A12)		Depleted Da	rk Sui	rface (F7)			Thin Dark Surfa		
Sandy N	Ոսcky Mineral (Տ1)		Redox Depre	essior	ıs (F8)			Iron-Manganese		
Sandy 0	Gleyed Matrix (S4)								•	s (F19) (MLRA 149B)
Sandy F	Redox (S5)							Mesic Spodic (TA		
Strippe	d Matrix (S6)							Red Parent Mate		
	ırface (S7) <b>(LRR R, I</b>	MLRA 14	.9B)					Very Shallow Da		
								Other (Explain i	i Kemark	S)
3Indicators	of hydrophytic veg	getation	and wetland hyd	rolog	y must be	e preser	t, unless disturbe	d or problematic.		
Restrictive	Layer (if observed)	:								
	Type:		None			Hydric	Soil Present?	Yes	s No	
	Depth (inches):									
Remarks:										_
No positive	indication of hydr	ic soils v	was observed.							
·	•									

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/County:	: Fultonville, Montgomery	Sampling Date:	2020-Nov-10
Applicant/Owner: ConnectGe	en .	State: NY	Sampling Point:	W-MJR-01_PEM-1
Investigator(s): Matt Regan, K	ate Harrelson	Section, Township	, Range:	
Landform (hillslope, terrace, etc	:.): Marsh	Local relief (concave, con	vex, none): Concave	Slope (%): 0 to 1
Subregion (LRR or MLRA):	LRR L	Lat: 42.88166671	53 <b>Long:</b> -74.3687228859	Datum: WGS84
Soil Map Unit Name: Lansing	silt loam, 15 to 25 percent slopes	S	NWI classifi	cation: PUS
Are climatic/hydrologic conditio	ns on the site typical for this time	e of year? Yes 🟒 No	o (If no, explain in Rema	rks.)
Are Vegetation, Soil,	or Hydrology significar	ntly disturbed? Are "Norm	nal Circumstances" present?	Yes _ <b>✓</b> No
Are Vegetation, Soil,	or Hydrology naturally	problematic? (If needed	, explain any answers in Rem	arks.)
CUMMANDY OF FINIDINGS				
	Attach site map showing sa	mpling point locations, tra	nsects, important reatui	es, etc.
Hydrophytic Vegetation Presen		la de a Cananda d'Anna ancide	in a Maralan do	Van de Na
Hydric Soil Present?	Yes No	Is the Sampled Area with		Yes No
Wetland Hydrology Present?	Yes _ <b>✓</b> _ No	If yes, optional Wetland S	Site ID:	W-MJR-01
Wetland Hydrology Indicators: Primary Indicators (minimum of your surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	Aquatic Faui Marl Deposi Hydrogen Si Oxidized Rh Presence of	ed Leaves (B9) na (B13) ts (B15) ulfide Odor (C1) izospheres on Living Roots (C3) Reduced Iron (C4) Reduction in Tilled Soils (C6)	Secondary Indicators (mining Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table Crayfish Burrows (C8) Saturation Visible on Ae Stunted or Stressed Pla	e (C2) erial Imagery (C9) nts (D1)
Inundation Visible on Aerial		in in Remarks)	Shallow Aquitard (D3)	F (D.4)
Sparsely Vegetated Concave	e Surface (B8)		Microtopographic Relief FAC-Neutral Test (D5)	(D4)
Field Observations:				
Surface Water Present?	Yes No [	Depth (inches): 1		
Water Table Present?		Depth (inches): 16	<ul> <li>Wetland Hydrology Present</li> </ul>	t? Yes No
		· · · · · · · · · · · · · · · · · · ·	- Wedand Hydrology Fresen	.: 163100
Saturation Present?	Yes No [	Depth (inches): 0	_	
(includes capillary fringe)				
Remarks:	m gauge, monitoring well, aerial p	onotos, previous inspections), ir	avaliable:	

<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test works Number of Dominant		3	(4)
1.	-			Are OBL, FACW, or FAC	:	3	(A)
2.				Total Number of Domi	nant Species		(D)
3.		<del></del>		Across All Strata:	·	3	(B)
<del></del>				Percent of Dominant S	Species That	400	(A (D)
4				Are OBL, FACW, or FAC		100	(A/B)
5				Prevalence Index work			
6.				Total % Cover		Multiply	Rv.
7				OBL species	75	x 1 =	75
	0	= Total Cove	er	FACW species	5	x 2 =	10
Sapling/Shrub Stratum (Plot size:15 ft)		=				_	
1.				FAC species	20	x 3 =	60
2.				FACU species	0	x 4 =	0
3.				UPL species	0	x 5 =	0
-				Column Totals	100	(A)	145 (B)
4				Prevalence I	ndex = B/A =	1.5	
5				Hydrophytic Vegetatio	n Indicators:		
6.				1- Rapid Test for		logotation	
7				· ·		regetation	
	0	= Total Cove	er	2 - Dominance Te			
Herb Stratum (Plot size:5 ft)		-		3 - Prevalence Inc			
1. Typha angustifolia	50	Yes	OBL	4 - Morphologica			supporting
2. Carex crinita	20	Yes	OBL	data in Remarks or on	•		
				Problematic Hyd			•
3. Euthamia graminifolia		Yes	FAC	Indicators of hydric so		-	gy must be
4. Sparganium eurycarpum	_ 5	<u>No</u>	OBL	present, unless disturb	oed or problei	matic	
5. Eupatorium perfoliatum	5	No	FACW	Definitions of Vegetati	on Strata:		
6				Tree – Woody plants 3	in. (7.6 cm) or	more in c	diameter at
7.				breast height (DBH), re	egardless of h	eight.	
8.				Sapling/shrub - Wood	y plants less t	han 3 in. D	BH and
9.				greater than or equal	to 3.28 ft (1 m	) tall.	
				Herb – All herbaceous	(non-woody)	plants, reg	gardless of
11				size, and woody plants	-		
				Woody vines - All woo	dy vines great	ter than 3.	28 ft in
12				height.	,		
	100	= Total Cove	er		on Procent?	/oc / N	lo.
Woody Vine Stratum (Plot size: 30 ft )				Hydrophytic Vegetation	on Present:	ies iv	
1							
2							
			<del></del>				
3.							
3 4.							
		= Total Cove	or	`			

Profile Description: (Describe to th	e depth needed to do	cument the i	ndicator or confirm the	absence of indicato	ors.)
Depth Matrix	Redox	Features			
(inches) Color (moist) 9	6 Color (moist)	% Type¹	Loc <sup>2</sup> Te	xture	Remarks
0 - 18 10Y 5/1 10	00		Silty C	lay Loam	
			·		
					-
			·——-		
<sup>1</sup> Type: C = Concentration, D = Depl	letion, RM = Reduced	Matrix, MS =	Masked Sand Grains.	<sup>2</sup> Location: PL = Pore	e Lining, M = Matrix.
Hydric Soil Indicators:				Indicators for P	roblematic Hydric Soils³:
Histosol (A1)	Polyvalue Belo	ow Surface (S	8) (LRR R, MLRA 149B)	2 cm Muck (	(A10) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)			R, MLRA 149B)		e Redox (A16) <b>(LRR K, L, R)</b>
Black Histic (A3)	Loamy Mucky				Peat or Peat (S3) <b>(LRR K, L, R)</b>
Hydrogen Sulfide (A4)	_ <u>✓</u> Loamy Gleyed	Matrix (F2)		Dark Surface	
Stratified Layers (A5)	Depleted Mat	rix (F3)		<del></del>	elow Surface (S8) (LRR K, L)
Depleted Below Dark Surface (	A11) Redox Dark Si	urface (F6)			urface (S9) <b>(LRR K, L)</b>
Thick Dark Surface (A12)	Depleted Darl	k Surface (F7)			nese Masses (F12) (LRR K, L, R)
Sandy Mucky Mineral (S1)	Redox Depres	ssions (F8)			loodplain Soils (F19) (MLRA 149B)
Sandy Gleyed Matrix (S4)					ic (TA6) <b>(MLRA 144A, 145, 149B)</b>
Sandy Redox (S5)				Red Parent	
Stripped Matrix (S6)					v Dark Surface (TF12)
Dark Surface (S7) (LRR R, MLRA	(149B)			Other (Expla	
3Indicators of hydrophytic vegetati	ion and wetland hydro	ology must be	e present, unless distur	bed or problematic.	·
Restrictive Layer (if observed):					
Type:	None		Hydric Soil Present?		Yes No
Depth (inches):					
Remarks:					

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Applicant/Owner: ConnectGe		/County: Fultonville, Montgomery	Sampling	Sampling Date: 2020-Nov-10		
Investigator(s): Matt Regan. Ka	n	State:	NY Sampling P	oint: W-MJR-01_PUB-1		
J (-,	ate Harrelson	Section, Town	nship, Range:			
Landform (hillslope, terrace, etc.	): Pond	Local relief (concave,	convex, none): Concave	<b>Slope (%):</b> 0 to 1		
Subregion (LRR or MLRA): L	LRR L	<b>Lat:</b> 42.88170	096306 Long: -74.368552	24818 <b>Datum:</b> WGS84		
Soil Map Unit Name: Lansing	silt loam, 15 to 25 percer	nt slopes	NWI o	lassification: PUS		
Are climatic/hydrologic condition	ns on the site typical for t	this time of year? Yes	No (If no, explain in	Remarks.)		
Are Vegetation, Soil,	or Hydrology s	significantly disturbed? Are "N	Normal Circumstances" pre	sent? Yes 🟒 No		
Are Vegetation, Soil,	or Hydrology n	naturally problematic? (If nee	eded, explain any answers i	n Remarks.)		
Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative pr Covertype is PUB.	t? Yes N Yes N	Is the Sampled Area If yes, optional Wetla	within a Wetland?	Yes/_ No W-MJR-01		
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)	Wat Aqu Mar	ter-Stained Leaves (B9) natic Fauna (B13) 1 Deposits (B15) drogen Sulfide Odor (C1)	Surface Soil Crack Drainage Patterns Moss Trim Lines ( Dry-Season Water	s (B10) B16) Table (C2)		
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Sparsely Vegetated Concave	Oxio Pres Reco Thin Imagery (B7) Othe	dized Rhizospheres on Living Roots sence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils (C6 n Muck Surface (C7) er (Explain in Remarks)	Saturation Visible Stunted or Stress Geomorphic Posit Shallow Aquitard Microtopographic	on Aerial Imagery (C9) ed Plants (D1) ion (D2) (D3) Relief (D4)		
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial	Oxio Pres Reco Thin Imagery (B7) Othe	sence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils (C6 n Muck Surface (C7)	Saturation Visible Stunted or Stress Geomorphic Posit Shallow Aquitard	on Aerial Imagery (C9) ed Plants (D1) ion (D2) (D3) Relief (D4)		
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Sparsely Vegetated Concave	Oxio Pres Reco Thin Imagery (B7) Othe	sence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils (C6 n Muck Surface (C7) er (Explain in Remarks)	Saturation Visible Stunted or Stress Geomorphic Posit Shallow Aquitard Microtopographic	on Aerial Imagery (C9) ed Plants (D1) ion (D2) (D3) Relief (D4)		
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Sparsely Vegetated Concave Field Observations: Surface Water Present?	Oxio Pres Reco Thin Imagery (B7)Other • Surface (B8)	sence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils (C6 n Muck Surface (C7) er (Explain in Remarks)  Depth (inches):	Saturation Visible Stunted or Stress Geomorphic Posit Shallow Aquitard Microtopographic FAC-Neutral Test (	on Aerial Imagery (C9) ed Plants (D1) ion (D2) (D3) Relief (D4) D5)		
— Sediment Deposits (B2) — Drift Deposits (B3) — Algal Mat or Crust (B4) — Iron Deposits (B5)  ✓ Inundation Visible on Aerial — Sparsely Vegetated Concave  Field Observations:  Surface Water Present?  Water Table Present?	Oxio Pres Reco Thin Imagery (B7)Otho • Surface (B8) YesNo YesNo	sence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils (C6 n Muck Surface (C7) er (Explain in Remarks)  Depth (inches):	Saturation Visible Stunted or Stress Geomorphic Posit Shallow Aquitard Microtopographic FAC-Neutral Test (  Wetland Hydrology P	on Aerial Imagery (C9) ed Plants (D1) ion (D2) (D3) Relief (D4) D5)		
— Sediment Deposits (B2) — Drift Deposits (B3) — Algal Mat or Crust (B4) — Iron Deposits (B5)  ✓ Inundation Visible on Aerial — Sparsely Vegetated Concave  Field Observations:  Surface Water Present?  Water Table Present?  Saturation Present?	Oxio Pres Reco Thin Imagery (B7)Other • Surface (B8)	sence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils (C6 n Muck Surface (C7) er (Explain in Remarks)  Depth (inches):  Depth (inches):	Saturation Visible Stunted or Stress Geomorphic Posit Shallow Aquitard Microtopographic FAC-Neutral Test (	on Aerial Imagery (C9) ed Plants (D1) ion (D2) (D3) Relief (D4) D5)		
— Sediment Deposits (B2) — Drift Deposits (B3) — Algal Mat or Crust (B4) — Iron Deposits (B5)  ✓ Inundation Visible on Aerial — Sparsely Vegetated Concave  Field Observations:  Surface Water Present?  Water Table Present?  Saturation Present?  (includes capillary fringe)	Oxio	sence of Reduced Iron (C4) ent Iron Reduction in Tilled Soils (C6 n Muck Surface (C7) er (Explain in Remarks)  Depth (inches):	Saturation Visible Stunted or Stress Geomorphic Posit Shallow Aquitard Microtopographic FAC-Neutral Test (  Wetland Hydrology P	on Aerial Imagery (C9) ed Plants (D1) ion (D2) (D3) Relief (D4) D5)		

<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant I Species?	ndicator Status	Dominance Test work		2	(4)
1.				Are OBL, FACW, or FAC	<b>:</b> :	2	(A)
2.				Total Number of Dom	inant Species	2	(D)
3.				Across All Strata:		2	(B)
4.				Percent of Dominant	Species That	100	(A /D)
·		<del></del>		Are OBL, FACW, or FAC	<b>:</b> :	100	(A/B)
5				Prevalence Index worl	ksheet:	·	
6				Total % Cove	r of:	Multiply E	By:
7				OBL species	20	x 1 =	20
	0	= Total Cover		FACW species	0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft)				FAC species	0	x3=	0
1.				FACU species	0	_	0
2.						x 4 =	-
3.				UPL species	0	x 5 =	0
4.				Column Totals	20	(A)	20 (B)
5.	-	<del></del>		Prevalence I	ndex = B/A =	1	
				Hydrophytic Vegetatio	n Indicators:		
6				✓ 1- Rapid Test for	Hydrophytic V	egetation	
7				2 - Dominance To			
	0	= Total Cover	•	✓ 3 - Prevalence In			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphologica		(Provide s	unnorting
1. Sparganium eurycarpum	10	Yes	OBL	data in Remarks or on			аррогинд
2. Typha angustifolia	10	Yes	OBL	Problematic Hyd			nlain)
3.				¹Indicators of hydric s	. , .		-
4.				present, unless distur			y must be
5.				· · · · · · · · · · · · · · · · · · ·		Tiatic	
6.	-	<del></del>		Definitions of Vegetati			
·				Tree – Woody plants 3			iameter at
7				breast height (DBH), r			DIId
8.				Sapling/shrub - Wood			BH and
9				greater than or equal			
10				Herb – All herbaceous	-		ardless of
11				size, and woody plant			20.6:
12.				Woody vines – All woo	dy vines great	ter than 3.2	28 ft in
	20	= Total Cover	•	height.			
Woody Vine Stratum (Plot size:30 ft)		_		Hydrophytic Vegetati	on Present? \	∕es <u> </u>	0
1.							
2				·			
				•			
3				•			
3.							
3. 4.		= Total Cover		•			

	or (moist) %	Color (moist)	% Type¹	Loc² Texture	Remarks
		· -			
		<u> </u>			
<del></del>		-	<del> </del>		
			<del> </del>		
·					· ·
		-			
Type: C = Concent	tration, D = Deple	etion, RM = Reduce	d Matrix, MS =	Masked Sand Grains. <sup>2</sup>	Location: PL = Pore Lining, M = Matrix.
lydric Soil Indicato	ors:				Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	(4.2)			58) (LRR R, MLRA 149B)	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Epipedor				R R, MLRA 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
Black Histic (A3 Hydrogen Sulfic		Loamy Gley	ky Mineral (F1) ed Matrix (F2)	(LKK K, L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Stratified Layer		Depleted M			Dark Surface (S7) (LRR K, L)
		.11) Redox Dark			Polyvalue Below Surface (S8) (LRR K, L)
Thick Dark Surf	face (A12)	Depleted Da	ark Surface (F7)	)	Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Mucky M	lineral (S1)	Redox Depr	essions (F8)		Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Gleyed N	Matrix (S4)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Redox (S					Red Parent Material (F21)
Stripped Matrix	x (S6)				Very Shallow Dark Surface (TF12)
Dark Surface (S	57) (LRR R, MLRA	149B)			✓ Other (Explain in Remarks)
Indicators of hydr	ophytic vegetation	on and wetland hyd	drology must b	e present, unless disturb	ed or problematic.
	f obcorred):				
Restrictive Layer (if	i observed).			Hydric Soil Present?	Yes _ 🗸 No
Restrictive Layer (if Type:	observed).	None	_		165 <u>v</u> 145 <u> </u>
Туре:	(inches):	None	- 		
Type: Depth	_	None			
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	n species, and a definitive wetland boundary. Due to
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du			_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: Soils were assume	(inches): d to be hydric du	ue to the presence		_	·
Type: Depth Remarks: soils were assume	(inches): d to be hydric du	ue to the presence		_	<del></del>

Photo of Sample Plot North



Photo of Sample Plot East



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery	Samplii	ng Date: 2020-Nov-10
Applicant/Owner: Conne	ectGen	_	State: NY	Sampling	Point: W-MJR-01_UPL-1
Investigator(s): Matt Reg	an, Kate Harrelson		Section, Township,	Range:	
Landform (hillslope, terrace	e, etc.): Hillslope		Local relief (concave, conv	ex, none): Convex	Slope (%): 2 to 5
Subregion (LRR or MLRA):	LRR L		Lat: 42.881685867	9 <b>Long:</b> -74.3683	389109 <b>Datum:</b> WGS84
Soil Map Unit Name: Lai	nsing silt loam, 15 to 25	percent slopes		NW	l classification:
Are climatic/hydrologic cor	ditions on the site typic	al for this time of ye	ar? Yes <u>✓</u> No	(If no, explain	in Remarks.)
Are Vegetation, Soil	, or Hydrology	significantly dis	sturbed? Are "Norm	al Circumstances" pr	resent? Yes 🟒 No
Are Vegetation, Soil	, or Hydrology	naturally probl	ematic? (If needed,	explain any answers	s in Remarks.)
SUMMARY OF FINDING	resent? Yes	sNo			
Hydric Soil Present?	Yes	s No _ <b>_</b> _	Is the Sampled Area withi	n a Wetland?	Yes No✓
Wetland Hydrology Preser	nt? Yes	No <b>/</b> _	If yes, optional Wetland Si	te ID:	
HYDROLOGY					
Wetland Hydrology Indica	tors:				
Primary Indicators (minim	um of one is required; o	heck all that apply)		Secondary Indicato	rs (minimum of two required)
Surface Water (A1)		Water-Stained Lea	aves (B9)	Surface Soil Cra	
High Water Table (A2)	_	Aquatic Fauna (B1		Drainage Patter	
Saturation (A3)		Marl Deposits (B1		Moss Trim Lines	
Water Marks (B1)	_	Hydrogen Sulfide	Odor (C1)	Dry-Season Wat	
Sediment Deposits (B2	_	Oxidized Rhizosph	neres on Living Roots (C3)	Crayfish Burrow	le on Aerial Imagery (C9)
Drift Deposits (B3)	_	Presence of Redu	ced Iron (C4)	Stunted or Stres	•
Algal Mat or Crust (B4)	_		ction in Tilled Soils (C6)	Geomorphic Po	
Iron Deposits (B5)	_ =	Thin Muck Surface		Shallow Aquitar	
Inundation Visible on A	<b>5</b> ,	Other (Explain in I	Remarks)	Microtopograph	
Sparsely Vegetated Co	ncave Surface (B8)			FAC-Neutral Tes	
Field Observations:					
Surface Water Present?	Yes No	_ <b>✓</b> Depth	(inches):		
Water Table Present?	Yes No	_ <b>∠</b> Depth	(inches):	Wetland Hydrology	Present? Yes No
Saturation Present?	Yes No		(inches):		
(includes capillary fringe)				•	
	tream gauge monitoriu	ng well perial photo	s, previous inspections), if a	l vailable:	
Describe Recorded Data (s	stream gauge, monitorii	ng wen, aeriai prioto:	s, previous inspections), ii a	avallable.	
Remarks:					

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet:  Number of Dominant Specie			
. Tsuga canadensis	30	Yes	FACU	Are OBL, FACW, or FAC:	es mac	0	(A)
2. Fagus grandifolia	20	Yes	FACU	Total Number of Dominant S	Species	4	(D)
. Acer saccharum	10	No	FACU	Across All Strata:	· _	4	(B)
. Carpinus caroliniana		No No	FAC	Percent of Dominant Specie	s That	0	(A/B)
. carpinas caroninana			TAC	Are OBL, FACW, or FAC:			(A/D)
-				Prevalence Index worksheet	:		
·				Total % Cover of:		Multiply	<u>Ву:</u>
·	65	= Total Cov	or	<u> </u>	0	x 1 =	0
anding/Church Studence (Diet sings 45 ft )	05	_ 10tal Cov	er	FACW species	0	x 2 =	0
apling/Shrub Stratum (Plot size: 15 ft )	40	V	FACIL	FAC species 1	15	x 3 =	45
Lonicera morrowii		Yes	FACU	- FACU species 8	30	x 4 =	320
Fagus grandifolia		Yes	FACU	- UPL species	0	x 5 =	0
. Betula alleghaniensis	5	<u>No</u>	FAC	- Column Totals	95	(A)	365 (B)
Carpinus caroliniana	5	<u>No</u>	FAC	Prevalence Index	= B/A =	3.8	
				Hydrophytic Vegetation Indi	cators:		
				1- Rapid Test for Hydro		agotation	
·				2 - Dominance Test is >		egetation	
	30	= Total Cov	er	3 - Prevalence Index is			
erb Stratum (Plot size: <u>5 ft</u> )						(Dues dele	
				4 - Morphological Adap data in Remarks or on a sep			supporting
						•	
-				Problematic Hydrophy	_		
-				Indicators of hydric soil and		-	gy must be
				present, unless disturbed or	•	iatic	
				Definitions of Vegetation Str			
				Tree – Woody plants 3 in. (7.			diameter a
·				breast height (DBH), regardl			NDLLI
				Sapling/shrub – Woody plan greater than or equal to 3.23			obh and
•				- I * · · · ·			rardlass of
0				Herb – All herbaceous (non- size, and woody plants less			gardiess or
1							20 ft in
2				Woody vines – All woody vines – height.	ies greate	er triari 5.	20 11 111
	0	= Total Cov	er				
Voody Vine Stratum (Plot size: <u>30 ft</u> )				Hydrophytic Vegetation Pre	esent? Ye	es N	lo <u> <b>/</b> </u>
•				_			
				-			
		= Total Cov	er	=			
		-					

Profile Des	cription: (Describe	to the de				ndicato	r or confirm the a	absence of i	ndicators.)	
Depth	Matrix		Redox	Feat	ures					
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	<u> </u>	Remarks	
0 - 6	10YR 4/2	100					Silt Loam	n		
				_						
		· ·		_						
		· — ·		_						
		· ·		_						
				_						
				_						
			_							
				_						
				_			-			
		· — ·		_						
<del></del> .				. —				<del></del>		
¹Type: C = 0	Concentration, D =	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> L		. = Pore Lining, M = Matrix.	
Hydric Soil	Indicators:							Indicator	s for Problematic Hydric Sc	oils³:
Histoso	l (A1)		Polyvalue Bel	ow S	urface (S	8) <b>(LRR</b>	R, MLRA 149B)	_ 2 cm	Muck (A10) (LRR K, L, MLRA	(149B)
Histic E	pipedon (A2)		Thin Dark Sur	face	(S9) <b>(LRF</b>	R, MLR	A 149B)		t Prairie Redox (A16) <b>(LRR K</b>	
Black H	istic (A3)		Loamy Mucky	Mir Mir	eral (F1)	(LRR K,	L)		Mucky Peat or Peat (S3) (LF	· · ·
Hydroge	en Sulfide (A4)		Loamy Gleyed	d Ma	trix (F2)				Surface (S7) (LRR K, L)	
Stratifie	d Layers (A5)		Depleted Mat	rix (I	F3)				alue Below Surface (S8) <b>(LR</b>	DK I)
Deplete	d Below Dark Surfa	ace (A11)	Redox Dark S	urfa	ce (F6)				Dark Surface (S9) (LRR K, L)	iii i, Lj
Thick Da	ark Surface (A12)		Depleted Dar	k Su	rface (F7)	)			Manganese Masses (F12) <b>(L</b>	
Sandy N	Mucky Mineral (S1)		Redox Depres	ssior	ıs (F8)					
Sandy C	Gleyed Matrix (S4)								nont Floodplain Soils (F19)	
Sandy F	Redox (S5)								Spodic (TA6) (MLRA 144A,	145, 149B)
_	d Matrix (S6)								Parent Material (F21)	
	urface (S7) <b>(LRR R, N</b>	ΛΙ DΔ 1/10	IR)					-	Shallow Dark Surface (TF12	)
Dark 30	in face (37) (ERREIC, IV	ILIU ( I T	,,,					Other	r (Explain in Remarks)	
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	y must b	e preser	nt, unless disturbe	ed or proble	ematic.	
Restrictive	Layer (if observed):									
	Type:		Hard pan			Hydric	Soil Present?		Yes No/_	
	Depth (inches):		6			,				
	Deptir (inches).									
Remarks:										

Photo of Sample Plot North



Photo of Sample Plot East



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery		Sampling Date: 20	20-Nov-11
Applicant/Owner: Conne	ctGen		State: NY		Sampling Point: W-M	JR-02_PEM-1
Investigator(s): Matt Reg	an, Kate Harrelson		Section, Township,	Range:		
Landform (hillslope, terrace	e, etc.): Depression		Local relief (concave, conv	/ex, none):_	Concave	Slope (%): 0 to 1
Subregion (LRR or MLRA):	LRR L		Lat: 42.888897950	8 Long:	-74.3739035726	Datum: WGS84
Soil Map Unit Name: Flu	vaquents, loamy				NWI classificatio	n:
Are climatic/hydrologic con	ditions on the site typica	al for this time of yea	ar? Yes <u>✓</u> No	(If no	, explain in Remarks.)	
Are Vegetation, Soil	,	significantly dis		al Circumst	ances" present?	Yes No
Are Vegetation, Soil	, or Hydrology <sub>_</sub>	naturally probl	ematic? (If needed,	explain any	answers in Remarks	.)
SUMMARY OF FINDING	S – Attach site map	showing samplir	ng point locations, trar	nsects, im	portant features,	etc.
Hydrophytic Vegetation Pr	esent? Yes _	✓_ No				
Hydric Soil Present?	Yes _	✓_ No	Is the Sampled Area withi	in a Wetland	d? Yes	No
Wetland Hydrology Preser	t? Yes _	✓_ No	If yes, optional Wetland S	ite ID:	W-N	/JR-02
Remarks: (Explain alternat Covertype is PEM.	ve procedures here or i	n a separate report)				
Wetland Hydrology Indicate Primary Indicators (minimum Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on A	um of one is required; c — — — — — — erial Imagery (B7)	_ Water-Stained Lea _ Aquatic Fauna (B1 _ Marl Deposits (B1! _ Hydrogen Sulfide _ Oxidized Rhizosph _ Presence of Reduc	3) 5) Odor (C1) neres on Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6)	Surface Drainay Moss T Dry-Sea Crayfis Saturat Stuntee Geomo Shallov Microto	LIndicators (minimum e Soil Cracks (B6) ge Patterns (B10) frim Lines (B16) ason Water Table (C2 h Burrows (C8) tion Visible on Aerial I d or Stressed Plants ( orphic Position (D2) v Aquitard (D3) opographic Relief (D4	) magery (C9) D1)
Field Observations:					zacrar rese (BS)	
Surface Water Present?	Yes No _	✓ Depth (	(inches):			
Water Table Present?	Yes No _		(inches):	- Wetland ⊔	lydrology Present?	Yes No
				-	yarology i reseric	
Saturation Present?	Yes No _	_ <b>∠</b> Depth (	(inches):	-		
(includes capillary fringe)						
Describe Recorded Data (s Remarks:	u eam gauge, momonii	g weil, aeriai priotos	, previous inspections, ii d	avaliable.		

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Specie	s That	F	(4)
1. <i>Ostrya virginiana</i>	5	Yes	FACU	Are OBL, FACW, or FAC:		5	(A)
2. Populus deltoides 3.	5	Yes	FAC	Total Number of Dominant S Across All Strata:	Species	7	(B)
4.				Percent of Dominant Species Are OBL, FACW, or FAC:	s That	71.4	(A/B)
5				Prevalence Index worksheet:	•		,
6				Total % Cover of:		Multiply	By:
7				- OBL species (	)	x 1 =	0
	10	= Total Cov	er	FACW species 3	0	x 2 =	60
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )					-0	x 3 =	120
1. <u>Carpinus caroliniana</u>	5	Yes	FAC		0	x 4 =	40
2. <i>Ostrya virginiana</i>	5	Yes	FACU	· -	)	x 5 =	0
3				· -	0	(A)	220 (B)
4				Prevalence Index =		2.8	220 (0)
5				-			<del></del> ,
6				Hydrophytic Vegetation Indic		ogotation	
7				2 - Dominance Test is >		egetation	
	10	= Total Cov	er	✓ 3 - Prevalence Index is:			
Herb Stratum (Plot size: <u>5 ft</u> )				4 - Morphological Adap		(Dravida	cunnorting
1. <i>Solidago gigantea</i>	30	Yes	FACW	data in Remarks or on a sepa			supporting
2. Euthamia graminifolia	15	Yes	FAC	Problematic Hydrophyt		•	(nlain)
3. <i>Sanicula odorata</i>	15	Yes	FAC	Indicators of hydric soil and	_		
4.				present, unless disturbed or		•	Бу тазг Бс
5.				Definitions of Vegetation Stra			
6.				Tree – Woody plants 3 in. (7.6		more in	diameter at
7.	<u> </u>			breast height (DBH), regardle			
8.				Sapling/shrub – Woody plant		-	DBH and
9.				greater than or equal to 3.28	3 ft (1 m)	tall.	
10				Herb – All herbaceous (non-v	woody) p	olants, re	gardless of
10 11.	<del></del> ,,			size, and woody plants less t	han 3.28	3 ft tall.	
12				Woody vines – All woody vine	es great	er than 3	.28 ft in
	60	= Total Cov	or	height.			
Woody Vine Stratum (Plot size:30 ft)		- Total Cov	Ci	Hydrophytic Vegetation Pres	sent? Y	es 🟒 N	lo
1.							
<u> </u>	<del></del>			•			
		<del></del> -		-			
3.				•			
4				-			
	0	= Total Cov	er				

All tree and shrub species present within the vicinity of the wetland boundary were rooted in upland areas experiencing different soil and/or hydrologic conditions and therefore not included within the data point.

	cription: (Describe	to the de				indicato	r or confirm the	absence of indi	icators.)
Depth	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Textu	re	Remarks
0 - 6	10YR 3/1	100		_			Sandy L	.oam	
6 - 18	10YR 3/1	95	10YR 5/6	5	C	М	Sandy L	.oam	
				_					
				_					
				_				<u> </u>	
				_			-	-	
				_			-		
				_					
				_					
				_					
				_					
				_					
¹Tvpe: C = C	Concentration, D =	Depletic	n. RM = Reduced	 Mat	rix. MS =	Masked	Sand Grains. 2	Location: PL = I	Pore Lining, M = Matrix.
Hydric Soil		-  -  -  -  -  -  -  -  -  -  -  -	,		,				or Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Bel	OW 5	iurfaco (S	(Q) <b>(I DD</b>	D MIDA 1/OR)		•
									ick (A10) <b>(LRR K, L, MLRA 149B)</b>
Black Hi	oipedon (A2)		Thin Dark Sui						airie Redox (A16) <b>(LRR K, L, R)</b>
I	en Sulfide (A4)		Loamy Gleye			(LKK K, I	L)		icky Peat or Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Mar					Dark Sur	rface (S7) <b>(LRR K, L)</b>
	d Below Dark Surfa							Polyvalu	e Below Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)	ace (ATT	Depleted Dar			١			k Surface (S9) <b>(LRR K, L)</b>
	fucky Mineral (S1)		Redox Depre			,		Iron-Mai	nganese Masses (F12) (LRR K, L, R)
			Redox Depie	33101	15 (1-0)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)							Mesic Sp	oodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
_	ledox (S5)							Red Pare	ent Material (F21)
	d Matrix (S6)							Very Sha	allow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, N	/ILRA 149	9B)					Other (E	xplain in Remarks)
3Indicators	of hydrophytic veg	etation :	and wetland hydr	വിറമ	v must h	e nreser	nt unless disturh		•
-	Layer (if observed):			0.08	<i>y</i> asc s	P. 656.	, a	ea or propress.	
	•	•	None			Lludric	Cail Dracant?		Vos. / No.
	Type:		None			пуштс	Soil Present?		Yes/_ No
	Depth (inches):								
Remarks:									

Photo of Sample Plot North



Photo of Sample Plot East



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery	Sam	Sampling Date: 2020-Nov-11		
Applicant/Owner: ConnectGe	า	_	State: NY	Sampli	ing Point: W-MJR	-02_UPL-1	
Investigator(s): Matt Regan, Ka	ite Harrelson		Section, Township,	Range:			
Landform (hillslope, terrace, etc.	): Terrace		Local relief (concave, conv	ex, none): None		Slope (%): 0 to 1	
Subregion (LRR or MLRA):	.RR L		Lat: 42.888944847	5 <b>Long:</b> -74.37	′38492579 <b>[</b>	Datum: WGS84	
Soil Map Unit Name: Fluvaque	ents, loamy			N	NWI classification:		
Are climatic/hydrologic condition	s on the site typica	l for this time of ye	ar? Yes <u>✓</u> No	(If no, expla	iin in Remarks.)		
Are Vegetation, Soil,	or Hydrology _	significantly dis	sturbed? Are "Norm	al Circumstances'	' present? Ye	es No	
Are Vegetation, Soil,	or Hydrology _	naturally probl	ematic? (If needed,	explain any answ	ers in Remarks.)		
SUMMARY OF FINDINGS – A		showing samplii	ng point locations, trar	nsects, importa	ant features, et	С.	
Hydric Soil Present?		No	Is the Sampled Area withi	n a Wetland?	Ves	No	
			i		ies_	NO <u>_</u> /_	
Wetland Hydrology Present? Remarks: (Explain alternative pr	· · · · · · · · · · · · · · · · · · ·	No	If yes, optional Wetland S	ite ID:			
HYDROLOGY Wetland Hydrology Indicators:							
Primary Indicators (minimum of	one is required: ch	neck all that annly)		Secondary Indica	ators (minimum o	f two required)	
Trimary maleators (minimari of	one is required, en	еск ин инисирруд		Surface Soil (		r two required)	
Surface Water (A1)		_ Water-Stained Lea		Drainage Pat			
High Water Table (A2)		_ Aquatic Fauna (B1		Moss Trim Li			
Saturation (A3) Water Marks (B1)		Marl Deposits (B1 Hydrogen Sulfide		Dry-Season V	Water Table (C2)		
Water Marks (B1) Sediment Deposits (B2)			neres on Living Roots (C3)	Crayfish Burr	ows (C8)		
Drift Deposits (B3)		_ Oxidized Kilizospi _ Presence of Reduc	_	Saturation Vi	sible on Aerial Im	agery (C9)	
Algal Mat or Crust (B4)		="	tion in Tilled Soils (C6)		tressed Plants (D1	)	
Iron Deposits (B5)		Thin Muck Surface		Geomorphic			
Inundation Visible on Aerial	Imagery (B7)	Other (Explain in F		Shallow Aqui			
Sparsely Vegetated Concave	•	- ` '	,		aphic Relief (D4)		
Field Observations				FAC-Neutral <sup>-</sup>	iest (D5)		
Field Observations: Surface Water Present?	Yes No _	/ Donth	(inches):				
		·	(inches):		D	Voc. No.	
Water Table Present?	Yes No _		(inches):	Wetland Hydrolo	ogy Present?	Yes No	
Saturation Present?	Yes No _	<u>✓</u> Depth	(inches):	-			
(includes capillary fringe)							
Describe Recorded Data (stream Remarks:	ı gauge, monitoring	g well, aerial photo:	s, previous inspections), if a	available:			

	Dominant Species?	Indicator Status	Dominance Test worksl Number of Dominant S	3	(A)	
25	Yes	FACW	Are OBL, FACW, or FAC:			(A)
15	Yes	FACU		nant Species	8	(B)
10	Yes	FACU				`´
					37.5	(A/B)
					Multiply F	lv-
						. <del>y.</del> 0
50	= Total Cov	er	<u> </u>		_	50
			<u> </u>		_	195
15	Yes	FAC	· · -		_	260
10	Yes	FACU	<u> </u>		_	0
10	Yes	FACU	<u> </u>		_	
			<u> </u>		_	505 (B)
			Prevalence in	idex = B/A =	3.3	<del></del>
			Hydrophytic Vegetation	Indicators:		
. ——			1- Rapid Test for H	ا lydrophytic	egetation/	
35	= Total Cov	er	2 - Dominance Tes	st is > 50%		
	-	C.	3 - Prevalence Ind	ex is $\leq 3.0^{1}$		
50	Ves	FAC				upporting
	INU	OBL	-		-	y must be
			*		matic	
			_			
						iameter a
			•			
						BH and
			-			
						ardless of
						0.6.1
			-	ly vines grea	ter than 3.2	8 ft in
70	= Total Cov	er				
·	_		Hydrophytic Vegetatio	n Present? \	/es N	
- ——						
·						
	25 15 10 50 15 10 10 10 35 50 20 0	15 Yes 10 Yes  50 = Total Cov  15 Yes 10 Yes 10 Yes 20 Yes 20 No	25	Are OBL, FACW, or FACE	Are OBL, FACW, or FAC:  Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet:  Total % Cover of:  OBL species  OFACW species  FAC Species  OFACW species  FAC Species  OFACW species  FAC Species  OFACW species	Are OBL, FACW, or FAC:   15

	ription: (Describe	to the de				indicato	r or confirm the a	absence of ir	ndicators.)
Depth _	Matrix		Redox	Feat	ures				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	<u> </u>	Remarks
0 - 18	10YR 4/2	100					Silt Loan	n	
		·							
		· —— ·		_					
		· — ·		_				<del></del> -	
				_				<del></del> -	
		·		_					
				_					
				_					
				_					
				_					
				_			-		
		<u> </u>					<u> </u>		B 11:1 M 14:1:
	oncentration, D =	Depletio	n, RM = Reduced	Mat	rıx, MS =	Masked	Sand Grains. <sup>2</sup> L		= Pore Lining, M = Matrix.
Hydric Soil I								Indicators	for Problematic Hydric Soils³:
Histosol	` '		Polyvalue Bel					2 cm N	Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
Histic Ep	oipedon (A2)		Thin Dark Sur	face	(S9) <b>(LRF</b>	RR, MLR	A 149B)		Prairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Loamy Mucky	Mir	eral (F1)	(LRR K,	L)		Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Gleyed	d Ma	trix (F2)				Surface (S7) <b>(LRR K, L)</b>
Stratifie	d Layers (A5)		Depleted Mat	rix (I	<del>-</del> 3)				alue Below Surface (S8) (LRR K, L)
Deplete	d Below Dark Surfa	ace (A11)	Redox Dark S	urfa	ce (F6)				Park Surface (S9) (LRR K, L)
l ——	ark Surface (A12)		Depleted Dar	k Su	rface (F7)	)			Manganese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Redox Depres	sior	ıs (F8)				iont Floodplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)								
Sandy R	edox (S5)								Spodic (TA6) (MLRA 144A, 145, 149B)
_	Matrix (S6)								arent Material (F21)
	rface (S7) (LRR R, M	/II RA 149	9B)					-	hallow Dark Surface (TF12)
Bunk su	(37) <b>(Littin)</b> (1	LIGUTI	,,,					Other	(Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	y must b	e preser	nt, unless disturbe	ed or proble	matic.
Restrictive L	ayer (if observed):								
	Type:		None			Hydric	Soil Present?	Y	′es No⁄_
	Depth (inches):	-	_						
Remarks:	Берин (шенез).	_							
Remarks.									
]									
]									

Photo of Sample Plot North



Photo of Sample Plot East



Project/Site: Mill Point		City/County	: Fultonville, Montgomery	Sampling Date: 2020-Nov-12			
Applicant/Owner: ConnectGe	n		State: NY	Sampling Poir	nt: W-MJR-03_PFO-1		
Investigator(s): Matt Regan, K	ate Harrelson		Section, Township	, Range:			
Landform (hillslope, terrace, etc.	<b>):</b> Flat		Local relief (concave, con	vex, none): None	Slope (%): 0 to 1		
Subregion (LRR or MLRA):	.RR L		Lat: 42.882288652	25 <b>Long:</b> -74.36681139	Datum: WGS84		
Soil Map Unit Name:				NWI clas	sification:		
Are climatic/hydrologic condition	ns on the site ty	pical for this tim	e of year? Yes No	o (If no, explain in Re	marks.)		
Are Vegetation, Soil,	or Hydrolo	gy significa	ntly disturbed? Are "Norm	nal Circumstances" preser	nt? Yes 🟒 No		
Are Vegetation, Soil,	or Hydrolo	gy naturall	y problematic? (If needed	, explain any answers in R	lemarks.)		
Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative proceedings)	? Yı Yı	/es	Is the Sampled Area with	in a Wetland?	Yes/_ No W-MJR-03		
Wetland Hydrology Indicators:  Primary Indicators (minimum of the control of the		Water-Stair Aquatic Fau Marl Depos Hydrogen S Oxidized RI Presence o Recent Iror Thin Muck	ned Leaves (B9) una (B13)	Surface Soil Cracks (I Drainage Patterns (B Moss Trim Lines (B16 Dry-Season Water Ta Crayfish Burrows (C8 Saturation Visible on Stunted or Stressed Geomorphic Position Shallow Aquitard (D3	310) 310) 310) 310) 311)		
Sparsely Vegetated Concave	Surface (B8)			_✓ Microtopographic Re FAC-Neutral Test (D5			
Field Observations:				,			
Surface Water Present?	Yes N	No 🟒	Depth (inches):				
Water Table Present?	Yes N	No 🗸	Depth (inches):	<ul> <li>Wetland Hydrology Pres</li> </ul>	sent? Yes No		
Saturation Present?	Yes N		Depth (inches):	-	<del>-</del>		
(includes capillary fringe)	ıes I	<u>v</u>		-			
			photos, previous inspections), if				
Remarks:							

<u>Free Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test workshee Number of Dominant Spe		2	(4)
1. Ulmus americana	20	Yes	FACW	Are OBL, FACW, or FAC:			(A)
2. Tilia americana	10	Yes	FACU	Total Number of Dominar	nt Species	5	(B)
3. Fraxinus pennsylvanica	5	No	FACW	Across All Strata:			`
1.				Percent of Dominant Spectrum Are OBL, FACW, or FAC:	cies That	40	(A/B)
5.				Prevalence Index worksho	oet.		
5				Total % Cover of		Multiply I	Rv.
·				OBL species	0	x 1 =	0
	35	= Total Cov	er	FACW species	100	x 2 =	200
apling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	30	x3=	90
. Lonicera morrowii	35	Yes	FACU	FACU species	60	x 4 =	240
. Rosa multiflora	15	Yes	FACU	UPL species	0	_	0
3. Cornus alba	10	No	FACW	Column Totals		x 5 = _	
. Ulmus americana	5	No	FACW	_	190	(A) _	530 (B)
5.				Prevalence Inde		2.8	<del></del>
5.				Hydrophytic Vegetation Ir			
7.				1- Rapid Test for Hyd	drophytic V	egetation	
·	65	= Total Cov	er	2 - Dominance Test i			
Herb Stratum (Plot size:5 ft)		-	C.	3 - Prevalence Index	is ≤ $3.0^{1}$		
. Solidago gigantea	60	Yes	FACW	4 - Morphological Ac			supporting
. Dryopteris intermedia	15	No No	FAC	data in Remarks or on a s	-		
Symphyotrichum lateriflorum	15	No No	FAC	Problematic Hydrop			
		INU	FAC	¹Indicators of hydric soil a		-	gy must be
l.				present, unless disturbed	•	natic	
i.				Definitions of Vegetation			
5.				Tree – Woody plants 3 in.			liameter a
<sup>7</sup>				breast height (DBH), rega			
B				Sapling/shrub - Woody pl			BH and
)				greater than or equal to 3			
0				Herb – All herbaceous (no			gardless of
1				size, and woody plants les			20 ft :
2				Woody vines – All woody	vines great	er than 3.	28 ft in
	90	= Total Cov	er	height.			
Noody Vine Stratum (Plot size: 30 ft )		_		Hydrophytic Vegetation F	Present?	′es 🟒 N	0
				•			
				•			
4.		= Total Cov	er	•			
1.	0						

Profile Des	cription: (Describe	to the o	lepth needed to d	locun	nent the i	indicato	r or confirm the a	absence of indicators.)
Depth	Matrix		Redox	Feat	ures			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc2	Texture	Remarks
0 - 7	10YR 4/1	100					Silty Clay	
7 - 18	10YR 6/1	90	10YR 4/1	10		М	Silty Clay	
				_				
				_				
				_			-	
		-						
		. —					-	
				_				
¹Tvne: C = (	Concentration, D =	Depleti	on. RM = Reduced	Mat	rix. MS =	Masked	Sand Grains 2	Location: PL = Pore Lining, M = Matrix.
Hydric Soil		Б ср.сс.	,		,	masitee	54.14 6.4.1.5.	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvaluo Ro	Joya S	iurfaco (S	(Q) /I DD	D MIDA 1/QD)	•
	oipedon (A2)		Thin Dark Su				R, MLRA 149B)	2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
								Coast Prairie Redox (A16) (LRR K, L, R)
l ——	istic (A3)		Loamy Muck	-		(LKK K,	L)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4) d Layers (A5)		Loamy Gleye					Dark Surface (S7) <b>(LRR K, L)</b>
	d Below Dark Surf	200 (11	•					Polyvalue Below Surface (S8) (LRR K, L)
	ark Surface (A12)	ace (A i	Depleted Da					Thin Dark Surface (S9) (LRR K, L)
	Mucky Mineral (S1)					,		Iron-Manganese Masses (F12) (LRR K, L, R)
			Redox Depre	255101	IS (FO)			Piedmont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	Redox (S5)							Red Parent Material (F21)
Strippe	d Matrix (S6)							Very Shallow Dark Surface (TF12)
Dark Su	ırface (S7) <b>(LRR R, N</b>	الا ALRA	19B)					Other (Explain in Remarks)
3Indicators	of hydrophytic veg	etation	and wetland hvd	rolog	v must h	e nreser	nt unless disturbe	
-	Layer (if observed)		and wettand nya	i olog	y mast b	I	ic, arriess distarbe	ed of problemate.
	-	•	Nama			l le calui a	Cail Duanama	Vee / Ne
	Type:		None			Hyaric	Soil Present?	Yes _ <b>✓</b> _ No
-	Depth (inches):							
Remarks:								
<b></b>								

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



or Hydrology or Hydrology ach site map Yes Yes dures here or	al for this time significan naturally showing san No 🗸 No 🏒 No 🏒 in a separate re	Section, Too Local relief (concave Lat: 42.882)  of year? Yes _ tly disturbed? Are problematic? (If no mpling point location	wnship, Range: we, convex, none): _(.789555	74.3679337297  NWI classification explain in Remarks.) inces" present? answers in Remarks.	Slope (%): 1 to 3 			
Hillslope L  n the site typic or Hydrology or Hydrology ach site map Yes Yes Yes dures here or	significan naturally showing san no No No in a separate re	Local relief (concave Lat: 42.882  of year? Yes _ tly disturbed? Are problematic? (If note that the sampled Are lif yes, optional Weeport)	ve, convex, none):	74.3679337297  NWI classification explain in Remarks.) inces" present? answers in Remarks.	Datum:WGS84 			
n the site typic or Hydrology or Hydrology ach site map Yes Yes dures here or i	significan naturally showing san no No No in a separate re	Lat: 42.882  of year? Yes _ tly disturbed? Are problematic? (If n  mpling point location  Is the Sampled Are If yes, optional We eport)	No (If no, "Normal Circumstaneeded, explain any ns, transects, implea within a Wetland"	74.3679337297  NWI classification explain in Remarks.) inces" present? answers in Remarks.	Datum:WGS84 			
n the site typic or Hydrology or Hydrology ach site map Yes Yes dures here or	significan naturally showing san no No No in a separate re	of year? Yes _ tly disturbed? Are problematic? (If n  mpling point location  Is the Sampled Are If yes, optional We eport)	No (If no, "Normal Circumsta needed, explain any ns, transects, imp	NWI classification explain in Remarks.) inces" present? answers in Remarks.  portant features, 6	n: Yes No .) etc.			
or Hydrology or Hydrology ach site map Yes Yes dures here or	significan naturally showing san no No No in a separate re	tly disturbed? Are problematic? (If no problematic) and problematic if no problematic if no problematic if yes, optional we seport)	"Normal Circumstaneeded, explain any ns, transects, impeased within a Wetland"	explain in Remarks.) inces" present? answers in Remarks.	Yes _✓ No .) etc.			
or Hydrology or Hydrology ach site map Yes Yes dures here or	significan naturally showing san no No No in a separate re	tly disturbed? Are problematic? (If no problematic) and problematic if no problematic if no problematic if yes, optional we seport)	"Normal Circumstaneeded, explain any ns, transects, impeased within a Wetland"	inces" present? answers in Remarks. portant features, e	etc.			
or Hydrology ach site map Yes Yes dures here or	naturally  showing sar  No 🗸  No 🗸  No 🗸  na separate re	problematic? (If n	ns, transects, imp	answers in Remarks.	etc.			
yes Yes Yes dures here or	showing sai	Is the Sampled Are If yes, optional We	ns, transects, imp	oortant features, e	etc.			
Yes Yes Yes dures here or	No _/ No _/ in a separate re	Is the Sampled Are If yes, optional We	ea within a Wetland					
Yes Yes Yes dures here or	No _/ No _/ in a separate re	Is the Sampled Are If yes, optional We	ea within a Wetland					
dures here or	in a separate ro	If yes, optional We		? Yes	5No			
dures here or	in a separate ro	If yes, optional We						
dures here or	in a separate ro	eport)	edano Site ID.					
e is required; c	heck all that ag	oply)						
e is required, e	incex an enac ap	2bil)	Secondary	Indicators (minimum	of two required)			
			-	Soil Cracks (B6)	<u>or two required</u>			
		ed Leaves (B9)						
_	•		_					
_			Dry-Sea	Dry-Season Water Table (C2)				
_			ts (C3) Crayfish	Crayfish Burrows (C8)				
_			Saturati	Saturation Visible on Aerial Imagery (C9)				
			( b)	Stunted or Stressed Plants (D1)				
_			Geomor					
gery (B7) _	<del></del>							
face (B8)					1			
			FAC-Net	utrar rest (D3)				
\/ N	, ,	th- (ih).						
		· —	——					
		epth (inches):	Wetland Hy	ydrology Present?	Yes No <b>/</b> _			
Yes No _	D	epth (inches):						
uge, monitorir	ng wen, aeriai p	motos, previous inspecti	ons), ii available:					
	Yes No Yes No Yes No	Marl Deposit  — Hydrogen Su — Oxidized Rhi — Presence of — Recent Iron I — Thin Muck So gery (B7) — Other (Explated Explated Explane	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils ( Thin Muck Surface (C7) gery (B7) Other (Explain in Remarks) face (B8)  Yes No _	Aquatic Fauna (B13)  — Marl Deposits (B15)  — Hydrogen Sulfide Odor (C1)  — Oxidized Rhizospheres on Living Roots (C3)  — Presence of Reduced Iron (C4)  — Recent Iron Reduction in Tilled Soils (C6)  — Thin Muck Surface (C7)  gery (B7)  — Other (Explain in Remarks)  — Microto  — FAC-Ne   Yes No	Marl Deposits (B15) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres on Living Roots (C3) — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C6) — Thin Muck Surface (C7) — Other (Explain in Remarks) — Moss Irim Lines (B16) — Dry-Season Water Table (C2) — Crayfish Burrows (C8) — Saturation Visible on Aerial II — Stunted or Stressed Plants (E — Geomorphic Position (D2) — Shallow Aquitard (D3) — Microtopographic Relief (D4) — FAC-Neutral Test (D5)  Yes No _ ✓ Depth (inches): — Wetland Hydrology Present?  Wetland Hydrology Present?			

Tree Stratum (Plot size:30 ft)		Dominant Species?	Indicator Status	Number of Dominant Are OBL, FACW, or FA	t Species That	0	(A)
1 2.				Total Number of Dom			
3.				Across All Strata:	•	3	(B)
4.				Percent of Dominant	Species That	0	(A/B)
5.				Are OBL, FACW, or FA	ıC:		(A/D)
6.				Prevalence Index wor	ksheet:		
7.				Total % Cove	er of:	Multiply	By:
··		= Total Cove	ar .	- OBL species	0	x 1 =	0
Sapling/Shrub Stratum (Plot size: 15 ft )		_ TOTAL COVE	<b>:</b> 1	FACW species	0	x 2 =	0
<u>sapınıg/sın ub stratum</u> (Flot size. <u>15 it</u> ) 1.				FAC species	0	x 3 =	0
2.				FACU species	75	x 4 =	300
-				- UPL species	25	x 5 =	125
3				- Column Totals	100	(A)	425 (B)
4				- Prevalence	Index = B/A =	4.3	
5				Hydrophytic Vegetation	on Indicators:		·
6				1- Rapid Test for		/egetatior	า
7				2 - Dominance 1		.0	
	0	_= Total Cove	er	3 - Prevalence Ir			
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphologic		¹ (Provide	supporting
1. Dactylis glomerata	35	Yes	FACU	data in Remarks or o			
2. <i>Medicago sativa</i>	25	Yes	UPL	Problematic Hyd			xplain)
3. <i>Trifolium repens</i>	25	Yes	FACU	Indicators of hydric s	soil and wetlan	d hydrolo	gy must be
4. <i>Plantago major</i>	15	No	FACU	present, unless distu		-	0,
5				Definitions of Vegetar	tion Strata:		
6.				Tree – Woody plants	3 in. (7.6 cm) or	r more in	diameter at
7.				breast height (DBH), i			
8.				Sapling/shrub - Wood	dy plants less t	han 3 in.	DBH and
9.				greater than or equal	l to 3.28 ft (1 m	) tall.	
10.				Herb – All herbaceou	s (non-woody)	plants, re	gardless of
11.				size, and woody plan	ts less than 3.2	8 ft tall.	
12.				Woody vines – All wo	ody vines great	ter than 3	.28 ft in
· ·	100	= Total Cove	r	height.			
Woody Vine Stratum (Plot size: <u>30 ft</u> ) 1.				Hydrophytic Vegetat	ion Present?	/es I	No 🟒
2.				-			
				=			
4.				=			
		= Total Cove	ar	-			
	()						

Profile Desc	ription: (Describe t	to the de				indicato	r or confirm the a	bsence of inc	dicators.)
Depth _	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
0 - 9	10YR 4/3	100					Silt Loam	n	
		· —— ·	_	_			_		
				_					_
		· ·		_					
				_				<del></del>	
				_					
		·		_					
				_					
				_					
				_					
¹Tvpe: C = C	 Concentration, D = I	Depletio	n. RM = Reduced	— Mat	rix. MS =	Masked	Sand Grains. <sup>2</sup> L	ocation: PL =	Pore Lining, M = Matrix.
Hydric Soil		- ср.сс.о	., Reduced		,	Masico	54.14 6.4.1.5.		for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Bel	۰۱۸۰ د	Surface (C	(8) (I <b>D</b> D	R MIRA 1/ORI		•
	oipedon (A2)		Thin Dark Sur						uck (A10) (LRR K, L, MLRA 149B)
Black Hi			Loamy Mucky						rairie Redox (A16) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleyed			(LIXIX IX,	L)		ucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
	d Layers (A5)		Depleted Mat						urface (S7) <b>(LRR K, L)</b>
	d Below Dark Surfa								ue Below Surface (S8) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Dar			)			ark Surface (S9) <b>(LRR K, L)</b>
	lucky Mineral (S1)		Redox Depres			,			anganese Masses (F12) (LRR K, L, R)
	ileyed Matrix (S4)				(,			Piedmo	ont Floodplain Soils (F19) <b>(MLRA 149B)</b>
-	edox (S5)								podic (TA6) <b>(MLRA 144A, 145, 149B)</b>
_	d Matrix (S6)							Red Pa	rent Material (F21)
		U DA 140	ND)					Very Sh	iallow Dark Surface (TF12)
Dark Su	rface (S7) <b>(LRR R, W</b>	ILKA 145	)В)					Other (	Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	y must b	e preser	nt, unless disturbe	ed or problen	natic.
Restrictive I	_ayer (if observed):								
	Type:		Hard pan			Hvdrid	Soil Present?	Ye	es No⁄_
	Depth (inches):		9						· · ·
Remarks:	Берин (писпез).	_							
Remarks.									

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point	City/Co	unty:,	Sampling Date: 2	2020-Nov-12			
Applicant/Owner: Connect	Gen	State:	Sampling Point: W	-MJR-04_PSS-1			
Investigator(s): Matt Regan	, Kate Harrelson	Section, Township,	Range:				
Landform (hillslope, terrace, e	etc.): Terrace	Local relief (concave, conv	vex, none): None	Slope (%): 0 to 1			
Subregion (LRR or MLRA):	LRR L	Lat: 42.884637094	Long: -74.3747492228	Datum: WGS84			
Soil Map Unit Name:			NWI classificat	tion:			
Are climatic/hydrologic condi	tions on the site typical for this	time of year? Yes No	(If no, explain in Remark	s.)			
Are Vegetation, Soil	, or Hydrology sign	ificantly disturbed? Are "Norm	al Circumstances" present?	Yes No			
Are Vegetation, Soil	, or Hydrology natu	ırally problematic? (If needed,	explain any answers in Remar	ks.)			
SUMMARY OF FINDINGS	- Attach site map showin	g sampling point locations, trai	nsects, important features	s, etc.			
Hydrophytic Vegetation Pres	ent? Yes 🔽 No _						
Hydric Soil Present?	Yes <u></u> ✓ No _	Is the Sampled Area withi	in a Wetland?	es No			
Wetland Hydrology Present?		i	ite ID:	/-MJR-04			
	procedures here or in a sepai			· mjik o i			
Covertype is PSS.							
HYDROLOGY							
Wetland Hydrology Indicator		hat ann hA	Construction disease on Continuo	6 6			
Primary Indicators (minimum	n of one is required; check all t	nat appiy)	Secondary Indicators (minimu	<u>ım of two required)</u>			
Surface Water (A1)	Water-:	Stained Leaves (B9)	Surface Soil Cracks (B6)				
High Water Table (A2)	Aquatio	Fauna (B13)	<ul><li>✓ Drainage Patterns (B10)</li><li>Moss Trim Lines (B16)</li></ul>				
Saturation (A3)	Marl Do	eposits (B15)	Moss friff Lines (BTo) Dry-Season Water Table (C2)				
Water Marks (B1)		en Sulfide Odor (C1)	Cravfish Burrows (C8)				
Sediment Deposits (B2)		ed Rhizospheres on Living Roots (C3)	3) Clayini Bullows (C8) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)		ce of Reduced Iron (C4)	Stunted or Stressed Plants				
Algal Mat or Crust (B4)		Iron Reduction in Tilled Soils (C6)	✓ Geomorphic Position (D2)				
Iron Deposits (B5)	<del></del>	uck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aer		Explain in Remarks)	Microtopographic Relief ([	04)			
Sparsely Vegetated Conc	ave Surface (B8)		✓ FAC-Neutral Test (D5)	•			
Field Observations:							
Surface Water Present?	Yes No _ <b>_/</b> _	Depth (inches):	_				
Water Table Present?	Yes No	Depth (inches):	Wetland Hydrology Present?	Yes No			
Saturation Present?	Yes No _ <b>_/</b>	Depth (inches):	_				
(includes capillary fringe)							
Describe Recorded Data (stro	eam gauge, monitoring well, a	erial photos, previous inspections), if	available:				
Remarks:							
Remarks.							

<u>Free Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Status	Dominance Test workshound Number of Dominant Sp		3	(A)
. <u>Ulmus americana</u>	10	Yes	FACW	Are OBL, FACW, or FAC:			
. Robinia pseudoacacia	10	Yes	FACU	Total Number of Domina Across All Strata:	ant Species	5	(B)
l				Percent of Dominant Spe- Are OBL, FACW, or FAC:	ecies That	60	(A/B)
5.				Prevalence Index worksh	neet:		
5.				Total % Cover o		Multiply	Bv:
7				- OBL species	0	x 1 =	0
	20	= Total Cov	er	FACW species	95	x 2 =	190
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	10	x 3 =	30
1. Lonicera morrowii	10	Yes	FACU	- FACU species	20	x 4 =	80
2.				- UPL species	0	x 5 =	0
3.				Column Totals	125	(A)	300 (B)
4.				<del>-</del>		_	300 (b)
				Prevalence Inc		2.4	<del></del> -
5.				Hydrophytic Vegetation			
7.	-			1- Rapid Test for Hy		egetation/	
· <del></del>	10	= Total Cov	er	2 - Dominance Test			
Herb Stratum (Plot size:5 ft)		-	<b>.</b> .	3 - Prevalence Inde			
1. Osmundastrum cinnamomeum	50	Yes	FACW	4 - Morphological A			supporting
2. Impatiens capensis	35	Yes	FACW	data in Remarks or on a	-		
				Problematic Hydro			•
3. Viola rotundifolia	10	No	FAC	Indicators of hydric soil		-	gy must be
4.				present, unless disturbe	d or proble	matic	
5	<del></del>			Definitions of Vegetation	Strata:		
6				Tree – Woody plants 3 in	. (7.6 cm) oı	more in o	diameter a
7				breast height (DBH), reg	ardless of h	eight.	
3				Sapling/shrub – Woody			BH and
9				greater than or equal to			
10				Herb – All herbaceous (n			gardless of
11				size, and woody plants le			
12.				Woody vines – All woody	vines grea	ter than 3.	28 ft in
	95	= Total Cov	er	height.			
Woody Vine Stratum (Plot size:30 ft)	-	_		Hydrophytic Vegetation	Present? \	∕es <u> </u>	lo
1.							
2.	· ——			=			
3				-			
,				-			
4				-			
	0	= Total Cov	er.				

	ription: (Describe t	to the de	•			indicato	r or confirm the a	bsence o	of indicators.)
Depth _	Matrix		Redox				<b>-</b> .		
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
0 - 9	10YR 3/1	100		_			Silt Loam		
				_			-		
				_					
				_					
-				_					
		· — ·		_					
		· — ·		_			-		
				_					
		. —		_					
		. —		_					
				_					
¹Type: C = C	oncentration, D = l	Depletio	n, RM = Reduced	Mati	rix, MS =	Masked	Sand Grains. <sup>2</sup> L	ocation:	PL = Pore Lining, M = Matrix.
Hydric Soil I	ndicators:							Indicat	ors for Problematic Hydric Soils³:
Histosol	(A1)		Polyvalue Bel	ow S	urface (S	8) (LRR	R, MLRA 149B)	2 (	m Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B)									ast Prairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		Loamy Mucky						m Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Loamy Gleye						rk Surface (S7) <b>(LRR K, L)</b>
Stratified	l Layers (A5)		Depleted Ma	trix (F	-3)				lyvalue Below Surface (S8) <b>(LRR K, L)</b>
Depleted	d Below Dark Surfa	ace (A11)	Redox Dark S	urfa	ce (F6)				-
Thick Da	rk Surface (A12)		Depleted Dar	k Su	rface (F7)	)			n Dark Surface (S9) (LRR K, L)
Sandy M	ucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				n-Manganese Masses (F12) (LRR K, L, R)
Sandy G	leyed Matrix (S4)								dmont Floodplain Soils (F19) (MLRA 149B)
Sandy Re	edox (S5)								sic Spodic (TA6) (MLRA 144A, 145, 149B)
_	Matrix (S6)								d Parent Material (F21)
	face (S7) <b>(LRR R, M</b>	11 RA 149	IR)						ry Shallow Dark Surface (TF12)
			,					_ <b>∠</b> Oth	ner (Explain in Remarks)
3Indicators o	of hydrophytic veg	etation a	and wetland hydr	olog	y must b	e preser	nt, unless disturbe	ed or pro	blematic.
Restrictive L	ayer (if observed):								
-	Гуре:		Hard pan			Hydric	Soil Present?		Yes No
	Depth (inches):		9						
Remarks:						ı			·
According to	the USDA NRCS t	he тарן	ped soil type is cl	assifi	ed as hy	dric. Floo	odplain soils.		

Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County:	,	Sampling Date: 2	2020-Nov-12
Applicant/Owner: Cor	nectGen		State:	Sampling Point: W-	MJR-04_UPL-1
Investigator(s): Matt R	egan, Kate Harrelsor	n	Section, Township,	Range:	
Landform (hillslope, terra	ace, etc.): Terra	ce	Local relief (concave, conv	vex, none): None	Slope (%): 0 to 1
Subregion (LRR or MLRA)	: LRR L		<b>Lat:</b> 42.884984733	36 <b>Long:</b> -74.3749514782	Datum: WGS84
Soil Map Unit Name:				NWI classificat	ion:
Are climatic/hydrologic c	onditions on the site	typical for this time	of year? Yes No	(If no, explain in Remarks	s.)
Are Vegetation, So	oil, or Hydro	ology significan	ntly disturbed? Are "Norm	al Circumstances" present?	Yes No
Are Vegetation, Se	oil, or Hydro	ology naturally	problematic? (If needed,	explain any answers in Remark	ks.)
Hydrophytic Vegetation Hydric Soil Present? Wetland Hydrology Pres Remarks: (Explain altern Covertype is UPL.	Present? ent?	Yes No _ <b>✓</b> Yes No _ <b>✓</b> Yes No _ <b>✓</b>	Is the Sampled Area withing If yes, optional Wetland Seport)	in a Wetland?	s, etc. ′es No <b>∠</b>
HYDROLOGY					
Watland Hydrology India					
Wetland Hydrology Indic Primary Indicators (mini		irod: chack all that a	nnh/)	Secondary Indicators (minimu	ım of two required)
Primary indicators (mini	mum or one is requi	ireu, crieck all triat a	<u>bhià)</u>	Secondary Indicators (minimu Surface Soil Cracks (B6)	<u>im or two required)</u>
Surface Water (A1)			ed Leaves (B9)	Drainage Patterns (B10)	
High Water Table (A2	.)	Aquatic Faur		Moss Trim Lines (B16)	
Saturation (A3)		Marl Deposi		Dry-Season Water Table (C	(2)
Water Marks (B1)	22)		ulfide Odor (C1)	Crayfish Burrows (C8)	
Sediment Deposits (I	32)		izospheres on Living Roots (C3)	Saturation Visible on Aeria	l Imagery (C9)
Drift Deposits (B3)	4)		Reduced Iron (C4)	Stunted or Stressed Plants	(D1)
Algal Mat or Crust (B	4)	Recent from	Reduction in Tilled Soils (C6)	Geomorphic Position (D2)	
Iron Deposits (B5)	Aorial Imagan (DZ)			Shallow Aquitard (D3)	
Inundation Visible or Sparsely Vegetated (		•	iin in Remarks)	Microtopographic Relief (D	04)
Sparsely vegetated t	.oricave Surface (Bo)	)		FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present?	Yes	No <b>/</b> D	epth (inches):	_	
Water Table Present?	Yes	No <u></u> D	epth (inches):	Wetland Hydrology Present?	Yes No
Saturation Present?	Yes	_ No <b>/</b> D	epth (inches):		
(includes capillary fringe			· · · · · · · · · · · · · · · · · · ·	-	
		nitoring well aerial r	photos, previous inspections), if	available:	· · · · · · · · · · · · · · · · · · ·
Describe Recorded Bate	(Stream gaage, mor	riicorii ig weii, deriai p	onotos, previous inspections,, in	avanable.	
Remarks:					

<u> Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test workshown Number of Dominant Sp.		_	
. Tilia americana	25	Yes	FACU	Are OBL, FACW, or FAC:		2	(A)
2. Carya ovata	15	Yes	FACU	Total Number of Domina	nt Species	6	(B)
. Quercus rubra	10	No	FACU	Across All Strata:			(D)
. Fagus grandifolia	10	No	FACU	Percent of Dominant Spe	cies That	33.3	(A/B)
. Tsuga canadensis	10	No	FACU	Are OBL, FACW, or FAC:			
				Prevalence Index worksh			
				Total % Cover of		Multiply I	-
	70	= Total Cove	r	OBL species	0	x 1 =	0
apling/Shrub Stratum (Plot size: 15 ft )				FACW species	10	x 2 =	20
. Fagus grandifolia	10	Yes	FACU	FAC species	10	x 3 =	30
. Ulmus americana	10	Yes	FACW	FACU species	90	x 4 =	360
	10	Yes	FACU	- UPL species	0	x 5 =	0
		162	FACU	- Column Totals	110	(A)	410 (B)
•				Prevalence Ind	ex = B/A =	3.7	
				Hydrophytic Vegetation I	ndicators:		
·				1- Rapid Test for Hy		egetation	
•				2 - Dominance Test		J	
	30	_= Total Cove	er	3 - Prevalence Index			
<u>lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological A	daptations <sup>2</sup>	(Provide s	supporting
. Dryopteris intermedia	10	Yes	FAC	data in Remarks or on a			
·				Problematic Hydro	hytic Vege	tation¹ (Ex	plain)
i				¹Indicators of hydric soil			
				present, unless disturbed		-	
i				Definitions of Vegetation	•		
i				Tree – Woody plants 3 in.		more in d	liameter a
				breast height (DBH), rega			
-				Sapling/shrub - Woody p			BH and
				greater than or equal to			
				Herb – All herbaceous (n	on-woody)	plants, reg	ardless of
01				size, and woody plants le	ss than 3.2	8 ft tall.	
1				Woody vines – All woody	vines great	er than 3.2	28 ft in
2	10	= Total Cove	)r	height.			
Voody Vine Stratum (Plot size: <u>30 ft</u> )			=1	Hydrophytic Vegetation	Present? \	⁄es N	0
·				-			
				-			
· I.				-			
· -		= Total Cove	ar	-			
		- 10101 0011	•				

	cription: (Describe t	to the de				indicato	r or confirm the	sence of indicators.)	
Depth _	Matrix		Redox						
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks
0 - 9	10YR 3/2	100							
				_					
l									
		· ·							
l		· —— ·							
							-		
¹Type: C = C	Concentration, D = I	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup>	cation: PL = Pore Lining, N	M = Matrix.
Hydric Soil	ndicators:							Indicators for Problemati	ic Hydric Soils³:
Histosol	(A1)		Polyvalue Bel	ow S	urface (S	8) (LRR	R, MLRA 149B)	2 cm Muck (A10) <b>(LRR</b>	RK I MIRA 149R)
Histic Ep	oipedon (A2)		Thin Dark Sur	face	(S9) (LRF	R R, MLR	A 149B)	Coast Prairie Redox (A	
Black Hi			 Loamy Mucky	/ Mir	eral (F1)	(LRR K, I	_)		
l	en Sulfide (A4)		Loamy Gleyed			. ,	•	5 cm Mucky Peat or P	
	d Layers (A5)		Depleted Mat					Dark Surface (S7) (LRI	
	d Below Dark Surfa							Polyvalue Below Surf	
	ark Surface (A12)		Depleted Dar			)		Thin Dark Surface (S9	
	lucky Mineral (S1)		Redox Depre			,		Iron-Manganese Mas	ses (F12) <b>(LRR K, L, R)</b>
			Redox Depre	33101	13 (10)			Piedmont Floodplain	Soils (F19) (MLRA 149B)
-	ileyed Matrix (S4)							Mesic Spodic (TA6) (N	ILRA 144A, 145, 149B)
_	edox (S5)							Red Parent Material (	F21)
Stripped	d Matrix (S6)							Very Shallow Dark Su	
Dark Su	rface (S7) (LRR R, N	ILRA 149	9B)					Other (Explain in Rem	
3Indicators	of hydrophytic veg	otation a	and wetland hydr	olog	v must h	o procor	at unlace disturb	•	iai koj
-	_ayer (if observed):		and Wedand nyur	olog	y must b	e preser	it, unless disturb	d of problematic.	
	•						c !! D		
	Type:		Hardpan			Hydric	Soil Present?	Yes No	
	Depth (inches):		9						
Remarks:									
]									
]									
]									
]									

Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



	State: NY	Sampling Point	: W-MJR-05_PFO-1
	Section, Township,	Range:	
!	Local relief (concave, conv	ex, none): None	Slope (%): 0 to 1
	Lat: 42.8827171354	4 Long: -74.376035006	Datum: WGS84
		NWI class	ification:
ypical for this time of ye	ar? Yes <u></u> ✓ No	(If no, explain in Rer	narks.)
ogy significantly dis	sturbed? Are "Norma	al Circumstances" present	t? Yes 🟒 No
ogy naturally probl	ematic? (If needed,	explain any answers in Re	emarks.)
nap showing samplir Yes No Yes No Yes No e or in a separate report)	ng point locations, tran Is the Sampled Area within If yes, optional Wetland Si	n a Wetland?	Yes/_ No W-MJR-05
Presence of Reduc	3) 55) Odor (C1) heres on Living Roots (C3) hed Iron (C4) httion in Tilled Soils (C6)	Secondary Indicators (mi Surface Soil Cracks (B Drainage Patterns (B16 Moss Trim Lines (B16 Dry-Season Water Tal Crayfish Burrows (C8) _ Saturation Visible on Stunted or Stressed P _ Geomorphic Position _ Shallow Aquitard (D3) _ Microtopographic Rel FAC-Neutral Test (D5)	
No Depth (	(inches):		
No Depth (	(inches):	Wetland Hydrology Prese	ent? Yes No
	(inches):	] , , ,	
Depuit			
	s, previous inspections), if a		
	, p. c. c. c		

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test workshe Number of Dominant Sp		3	(4)
. Populus deltoides	30	Yes	FAC	Are OBL, FACW, or FAC:			(A)
2. Ulmus americana	15	Yes	FACW	Total Number of Domina	nt Species	5	(B)
3. Tilia americana	10	No	FACU	Across All Strata:			`
i.				Percent of Dominant Species That Are OBL, FACW, or FAC:			
5.				Prevalence Index worksh	eet.		
5.				Total % Cover o		Multiply	Bv.
7				OBL species	0	x 1 =	0
	55	= Total Cov	er	FACW species	15	x 2 =	30
Sapling/Shrub Stratum (Plot size: <u>15 ft</u> )				FAC species	80	x3=	240
. Lonicera morrowii	35	Yes	FACU	FACU species	70	x 4 =	280
				UPL species	0	x5=	0
3.				Column Totals		_	
l				_	165	(A) _	550 (B)
5.				Prevalence Ind		3.3	<del></del>
5.				Hydrophytic Vegetation I			
7.				1- Rapid Test for Hy		egetation	
· -	35	= Total Cov	er	2 - Dominance Test			
Herb Stratum (Plot size: <u>5 ft</u> )				3 - Prevalence Inde			
1. Sanicula odorata	50	Yes	FAC	4 - Morphological A			supporting
2. Thalictrum dioicum	25	Yes	FACU	data in Remarks or on a			
3.		163	TACO	Problematic Hydro			
				¹Indicators of hydric soil			gy must be
4				present, unless disturbed		natic	
5.				Definitions of Vegetation			
5				Tree – Woody plants 3 in			liameter a
7				breast height (DBH), rega			
3				Sapling/shrub – Woody p			BH and
9				greater than or equal to			
10				Herb – All herbaceous (n size, and woody plants le			gardiess of
l1							20 6 :
12				Woody vines – All woody height.	vines great	er than 3.	28 IL III
	75	= Total Cov	er				
				Hydrophytic Vegetation	Present? \	∕es <u> </u>	0
Noody Vine Stratum (Plot size: <u>30 ft</u> )							
-							
<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u> )  1  2  3.							
1							

Donth	•	to the d	•			indicator	or confirm the al	osence of indicators.)
Depth	Matrix		Redox			12	Taratura	Damanika
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0 - 10	10YR 3/1	100		- —			Silt Loam	
				_				
		- —						
				_				
				_				
				- —				
				-				<del></del>
				- —				
¹Type: C =	Concentration, D =	Depletic	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> Lo	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators for Problematic Hydric Soils <sup>3</sup> :
Histoso	l (A1)		Polyvalue Be	low S	urface (S	8) <b>(LRR F</b>	R, MLRA 149B)	2 cm Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
Histic E	pipedon (A2)		Thin Dark Su	rface	(S9) (LRF	R, MLRA	\ 149B)	Coast Prairie Redox (A16) (LRR K, L, R)
Black H	istic (A3)		Loamy Muck	y Mir	eral (F1)	(LRR K, L	)	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydrog	en Sulfide (A4)		Loamy Gleye	d Ma	trix (F2)			Dark Surface (S7) (LRR K, L)
Stratifie	ed Layers (A5)		Depleted Ma	trix (	-3)			Polyvalue Below Surface (S8) (LRR K, L)
Deplete	ed Below Dark Surfa	ace (A11	) Redox Dark S	Surfa	ce (F6)			Thin Dark Surface (S9) (LRR K, L)
Thick D	ark Surface (A12)		Depleted Dar			)		Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy I	Mucky Mineral (S1)		Redox Depre	ssior	ıs (F8)			
Sandy	Gleyed Matrix (S4)							Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy	Redox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent Material (F21)
	urface (S7) (LRR R, N	/LRA 149	9B)					Very Shallow Dark Surface (TF12)
	,		•					<u></u> Other (Explain in Remarks)
<sup>3</sup> Indicators	of hydrophytic veg	etation	and wetland hydi	olog	y must b	e presen	t, unless disturbe	d or problematic.
Restrictive	Layer (if observed):	:						
	Type:		Rock			Hydric	Soil Present?	Yes _ ✓ No
	Depth (inches):		10	-				
Remarks:		_				1		
According	to the USDA NRCS t	пе тар	ped Soll type is ci	dSSIII	eu as ny	uric. Floo	upiairi soiis.	

Soil Photos



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery		Sampling Date: 202	20-Nov-13
Applicant/Owner: ConnectGe	n		State: NY	S	Sampling Point: W-M	JR-05_UPL-1
Investigator(s): Matt Regan, Ka	ate Harrelson		Section, Township,	Range:		
Landform (hillslope, terrace, etc.	): Terrace		Local relief (concave, conv	/ex, none):	Convex	Slope (%): 1 to 3
Subregion (LRR or MLRA):	.RR L		Lat: 42.882884186	7 Long:	-74.3763246854	Datum: WGS84
Soil Map Unit Name:					NWI classification	n:
Are climatic/hydrologic condition	ns on the site typica	al for this time of ye	ar? Yes <u>✓</u> No	(If no,	explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology _	significantly dis	sturbed? Are "Norm	al Circumsta	ances" present?	Yes No
Are Vegetation, Soil,	or Hydrology _	naturally probl	ematic? (If needed,	explain any	answers in Remarks.	.)
SUMMARY OF FINDINGS – A	Attach site map	showing sampli	ng point locations, trar	nsects, im	portant features,	etc.
Hydrophytic Vegetation Present	? Yes	No <b>/</b> _				
Hydric Soil Present?	Yes .	No	Is the Sampled Area withi	in a Wetland	l? Yes	sNo_ <u>_</u> /_
Wetland Hydrology Present?	Yes _	No _ <b>_</b> _	If yes, optional Wetland S	ite ID:		
Covertype is UPL.						
Wetland Hydrology Indicators: Primary Indicators (minimum of  Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial		_ Water-Stained Lea _ Aquatic Fauna (B1 _ Marl Deposits (B1 _ Hydrogen Sulfide _ Oxidized Rhizosph _ Presence of Redu	3) 5) Odor (C1) neres on Living Roots (C3) ced Iron (C4) ction in Tilled Soils (C6) e (C7)	Surface Drainag Moss Ti Dry-Sea Crayfisl Saturat Stunted Geomo Shallow	Indicators (minimum e Soil Cracks (B6) ge Patterns (B10) rim Lines (B16) ason Water Table (C2) h Burrows (C8) cion Visible on Aerial II d or Stressed Plants (I prphic Position (D2) w Aquitard (D3)	magery (C9) D1)
Sparsely Vegetated Concave	Surface (B8)				utral Test (D5)	
Field Observations:						
Surface Water Present?	Yes No _	<b>✓</b> Depth	(inches):	_		
Water Table Present?	Yes No _	✓ Depth	(inches):	Wetland H	ydrology Present?	Yes No
Saturation Present?	Yes No _		(inches):	-		
(includes capillary fringe)		<u>•</u> 5-p		-		
Describe Recorded Data (stream	n gauge monitorin	a well periol photo	c provious inspections) if	available:		
	r gauge, monitoring	g weii, aeriai prioto:	s, previous irispections), ir	avallable.		
Remarks:						

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species Th	at 0	(A)
. Quercus rubra	35	Yes	FACU	Are OBL, FACW, or FAC:		(A)
. Tilia americana	15	Yes	FACU	Total Number of Dominant Speci	es 5	(B)
. Ulmus americana	10	No	FACW	Across All Strata:		
				Percent of Dominant Species Tha	t o	(A/B)
				Are OBL, FACW, or FAC:		
	<del></del>		-	Prevalence Index worksheet:		
	- ——			Total % Cover of:	<u>Multiply</u>	<u>By:</u>
		- Total Cause		OBL species 0	x 1 =	0
1: (c)   (c) ( (D) ( ) 45.6	60	= Total Cover		FACW species 10	x 2 =	20
apling/Shrub Stratum (Plot size: 15 ft )				FAC species 0	x 3 =	0
. Lonicera morrowii	35	Yes	FACU	FACU species 132	x 4 =	528
. Quercus rubra	15	Yes	FACU	UPL species 0	x 5 =	0
				Column Totals 142	(A)	548 (B)
·				Prevalence Index = B/A		5 .G (B)
·				-		<del></del>
				Hydrophytic Vegetation Indicator		
				1- Rapid Test for Hydrophyt	_	l
	50	= Total Cover		2 - Dominance Test is > 50%		
lerb Stratum (Plot size: <u>5 ft</u> )		•		3 - Prevalence Index is ≤ 3.		
. Polystichum acrostichoides	12	Yes	FACU	4 - Morphological Adaptation		supporting
. Tolysticham acrosticholaes	- 12	Percent cover	17100	data in Remarks or on a separate		
		cannot be greater		Problematic Hydrophytic Ve	_	
. Solidago altissima	15	than a previous	FACU	<sup>1</sup> Indicators of hydric soil and wet	-	gy must be
		species		present, unless disturbed or pro	olematic	
. Lonicera morrowii	5	No	FACU	Definitions of Vegetation Strata:		
			TACO	Tree – Woody plants 3 in. (7.6 cm	) or more in	diameter a
·				breast height (DBH), regardless of	-	
·				Sapling/shrub – Woody plants les	s than 3 in. I	DBH and
				greater than or equal to 3.28 ft (	m) tall.	
'				Herb – All herbaceous (non-woo		gardless of
				size, and woody plants less than	3.28 ft tall.	
)				Woody vines – All woody vines gi	eater than 3	.28 ft in
0				height.		
1				Hydrophytic Vegetation Present	? Yes N	lo <b>_</b> ✓
2.						
	32	= Total Cover				
Voody Vine Stratum (Plot size:30 ft)		•				
				-		
-				-		
		Tatal Car		.		
	0	= Total Cover				

	ription: (Describe	to the de	•			indicato	or confirm the ab	sence of indi	ator	rs.)	
Depth _	Matrix		Redox			12	Taratrasa				Damandra
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture				Remarks
0 - 4	10YR 3/3	100		-			Silt Loam				
4 - 18	10YR 4/3	100									
-											
				_							
				_							
	_			-				<del></del>			
				-							
				-							
		. —		. —							
<u>1</u> Type: C = C	oncentration, D =	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. <sup>2</sup> Lo	ocation: PL = P	ore	Lining, M	= Matrix.
Hydric Soil I	ndicators:							Indicators fo	r Pro	oblematio	: Hydric Soils³:
Histosol	(A1)		Polyvalue Be	low S	Surface (S	88) <b>(LRR</b> I	R, MLRA 149B)	2 cm Mu	ck (A	10) (I RR	K, L, MLRA 149B)
Histic Ep	ipedon (A2)		Thin Dark Su	rface	(S9) <b>(LRF</b>	R R, MLR	A 149B)				16) (LRR K, L, R)
Black Hi			Loamy Muck	y Mir	neral (F1)	(LRR K, I	_)				eat (S3) <b>(LRR K, L, R)</b>
Hydroge	en Sulfide (A4)		Loamy Gleye					5 cm Mu Dark Sur	-		
Stratifie	d Layers (A5)		Depleted Ma	trix (	F3)						ice (S8) <b>(LRR K, L)</b>
Deplete	d Below Dark Surfa	ace (A11)	Redox Dark S	urfa	ce (F6)			-			
Thick Da	ark Surface (A12)		Depleted Dar	k Su	rface (F7	)		Thin Dar			
Sandy M	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				_		ses (F12) <b>(LRR K, L, R)</b>
Sandy G	leyed Matrix (S4)										Soils (F19) <b>(MLRA 149B)</b>
-	edox (S5)										LRA 144A, 145, 149B)
_	Matrix (S6)							Red Pare			
		AL DA 140	)D)					Very Sha	llow	Dark Sur	face (TF12)
Dark Su	rface (S7) <b>(LRR R, N</b>	ILKA 145	7D)					Other (E)	plai	n in Rema	arks)
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	y must b	e presen	t, unless disturbe	d or problema	tic.		
Restrictive L	ayer (if observed):	:									
	Type:		None			Hydric	Soil Present?	Yes		_No	
	Depth (inches):			•		'					
Remarks:	Deptir (meries).										
Remarks.											



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fulto	onville, Montgomery		Sampling Date: 20	20-Nov-13
Applicant/Owner: ConnectGen		<u></u>	State: NY		Sampling Point: W-M	IJR-06_PFO-1
Investigator(s): Matt Regan, Kat	e Harrelson		Section, Township,	Range:		
Landform (hillslope, terrace, etc.):	Flood Plair	า	Local relief (concave, conv	ex, none):	Concave	Slope (%): 0 to 1
Subregion (LRR or MLRA): LF	RR L		Lat: 42.882299968	1 Long:	-74.37772966	Datum: WGS84
Soil Map Unit Name:					NWI classification	on:
Are climatic/hydrologic conditions	on the site typi	cal for this time of ye	ar? Yes <u>✓</u> No	(If no	o, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology	significantly dis	sturbed? Are "Norma	al Circumst	tances" present?	Yes No
Are Vegetation, Soil,	or Hydrology	naturally probl	ematic? (If needed,	explain an	y answers in Remarks	i.)
SUMMARY OF FINDINGS – A	ttach site mar	showing sampli	ng point locations, trar	nsects, im	portant features,	etc.
Hydrophytic Vegetation Present?	Yes	No				
Hydric Soil Present?		No	Is the Sampled Area withi	n a Wetlan	d? Vac	No
			i			
Wetland Hydrology Present?		_ <b>✓</b> No	If yes, optional Wetland Si	ite ID:	W-N	ИJR-06
Remarks: (Explain alternative pro	cedures here or	in a separate report	)			
Covertype is PFO.						
HYDROLOGY						
IIIDKOLOGI						
Wetland Hydrology Indicators:						
Primary Indicators (minimum of	one is required;	check all that apply)		Secondary	y Indicators (minimun	n of two required)
Surface Water (A1)		Water-Stained Lea	aves (R9)	Surfac	e Soil Cracks (B6)	
High Water Table (A2)	-	Mater-Stained Lea Aquatic Fauna (B1		Draina	age Patterns (B10)	
Saturation (A3)	-	/ic rudila (B1 Marl Deposits (B1		Moss	Trim Lines (B16)	
Water Marks (B1)	-	Hydrogen Sulfide		-	eason Water Table (C2	)
Sediment Deposits (B2)	-		neres on Living Roots (C3)	-	sh Burrows (C8)	
Drift Deposits (B3)	-	Presence of Redu	_	<b>∕</b> Satura	ition Visible on Aerial	lmagery (C9)
Algal Mat or Crust (B4)	-		ction in Tilled Soils (C6)		ed or Stressed Plants (	D1)
Iron Deposits (B5)	-	Thin Muck Surface			orphic Position (D2)	
Inundation Visible on Aerial Ir	nagery (B7)	Other (Explain in I			w Aquitard (D3)	
Sparsely Vegetated Concave S			,		copographic Relief (D4	.)
Field Observations				Z FAC-N	eutral Test (D5)	
Field Observations: Surface Water Present?	Vos No	/ Donth	(inches).			
	Yes No	·	(inches):			
Water Table Present?	Yes No		(inches):	Wetland I	Hydrology Present?	Yes No
Saturation Present?	Yes No	Depth	(inches):	-		
(includes capillary fringe)						
Describe Recorded Data (stream	gauge, monitori	ing well, aerial photo:	s, previous inspections), if a	available:		
Remarks:						
Kemarks.						

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksl Number of Dominant S		6	(A)
. Salix nigra	35	Yes	OBL	Are OBL, FACW, or FAC:			(A)
2. Populus deltoides	15	Yes	FAC	Total Number of Domir	ant Species	7	(B)
3. Ulmus americana	10	No	FACW	Across All Strata:			
i				Percent of Dominant Sp - Are OBL, FACW, or FAC:		85.7	(A/B)
5.				Prevalence Index works		-	
5.				Total % Cover		Multiply I	Rv.
·				- OBL species	<u>01.</u> 35	x 1 =	35
	60	= Total Cov	er	FACW species	60	x 2 =	120
Sapling/Shrub Stratum (Plot size: 15 ft )				FAC species	45	x3=	135
. Lonicera morrowii	30	Yes	FACU	FACU species	30	x 4 =	120
. Ulmus americana	10	Yes	FACW	UPL species	0	_	0
·				Column Totals		x 5 =	
l.				-	170	(A) _	410 (B)
5.				Prevalence In		2.4	
j.				Hydrophytic Vegetation	Indicators:		
7.				1- Rapid Test for H		/egetation	
· -	40	= Total Cov	er	2 - Dominance Tes			
Herb Stratum (Plot size: _ 5 ft)		-	Ci	3 - Prevalence Ind	ex is $\leq 3.0^{\circ}$		
. Cinna arundinacea	30	Yes	FACW	4 - Morphological			upporting
. Sanicula odorata	15	Yes	FAC	data in Remarks or on a			
s. Viola sororia	15	Yes	FAC	Problematic Hydr			
	- — —			¹Indicators of hydric so			y must be
l. <i>Impatiens capensis</i>	10	No	FACW	present, unless disturb		matic	
i				Definitions of Vegetation			
5.				Tree – Woody plants 3 i			iameter a
7				breast height (DBH), re			
B				Sapling/shrub - Woody	-		BH and
)				greater than or equal to			
0				Herb – All herbaceous (			ardless of
1				size, and woody plants			00 ft :
2.				Woody vines – All wood	iy vines grea	ter than 3	28 TT IN
	70	= Total Cov	er	height.			
Noody Vine Stratum (Plot size: 30 ft )				Hydrophytic Vegetatio	n Present? `	Yes 🟒 N	0
3.							
1.							
	0	= Total Cov	er	•			
	0 te sheet.)	= Total Cov	er				

Profile Des	scription: (Describe	to the de	epth needed to do	cun	nent the i	ndicato	or confirm the	absence of indicato	ors.)
Depth	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc2	Tex	cture	Remarks
0 - 4	10YR 3/1	100					Silt I	Loam	
4 - 18	10YR 3/1	100					Silty Cla	ay Loam	
				_					
				_					<del>-</del>
				_					
				_					
				_					
				_					
				_					
				_					
				_					
1Type: C =	Concentration, D =	Denletio	n PM = Peduced	Mat	riv MS =	Maskad	Sand Grains 2	I ocation: PL = Pore	Lining, M = Matrix.
		Depietio	II, KW – Reduced	iviat	11, 1015 -	Maskea	Jana Grains.		
-	Indicators:		Daharahaa Dal			0) (I BB I	D MI DA 4 40D)		roblematic Hydric Soils³:
Histoso	` '		Polyvalue Bel					2 cm Muck (	A10) <b>(LRR K, L, MLRA 149B)</b>
	pipedon (A2)		Thin Dark Sur					Coast Prairie	e Redox (A16) <b>(LRR K, L, R)</b>
	listic (A3)		Loamy Mucky			(LRK K, I	-)	5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
, .	gen Sulfide (A4)		Loamy Gleyed					Dark Surface	e (S7) <b>(LRR K, L)</b>
	ed Layers (A5)		Depleted Mat					Polyvalue Be	elow Surface (S8) <b>(LRR K, L)</b>
	ed Below Dark Surf	ace (ATT)	Redox Dark Si Depleted Dar					Thin Dark Sເ	urface (S9) <b>(LRR K, L)</b>
	ark Surface (A12) Mucky Mineral (S1)		Redox Depres					Iron-Mangar	nese Masses (F12) (LRR K, L, R)
	•		Redox Depres	5101	IS (FO)			Piedmont Fl	oodplain Soils (F19) (MLRA 149B)
_	Gleyed Matrix (S4)							Mesic Spodi	c (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	Redox (S5)							Red Parent I	Material (F21)
Strippe	ed Matrix (S6)								v Dark Surface (TF12)
Dark Si	urface (S7) <b>(LRR R, N</b>	MLRA 149	9B)					✓ Other (Expla	
3Indicators	of hydrophytic yeg	etation a	and wetland hydro	olog	v must be	e preser	t. unless disturb	ped or problematic.	
	Layer (if observed)			0.	,		.,		_
restrictive	Type:	•	None			⊔vdric	Soil Present?		Yes _ 🗸 No
	• .		NOTIE			liyunc	Joil Fresent:		ies _/_ NO
	Depth (inches):								
Remarks:									
According	to the USDA NRCS	the map	oed soil type is cla	ıssifi	ed as hy	dric. Floo	odplain soils.		



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County: Fulto	nville, Montgomery		Sampling Date: 202	20-Nov-13
Applicant/Owner: ConnectGer	า		State: NY		Sampling Point: W-M	JR-06_UPL-1
Investigator(s): Matt Regan, Ka	ite Harrelson		Section, Township,	Range:		
Landform (hillslope, terrace, etc.)	: Hillslope		Local relief (concave, conv	ex, none):	Concave	<b>Slope (%)</b> : 2 to 5
Subregion (LRR or MLRA): L	RR L		Lat: 42.882520454	Long:	-74.3778673746	Datum: WGS84
Soil Map Unit Name:					NWI classification	n:
Are climatic/hydrologic condition	s on the site typica	al for this time of yea	ar? Yes 🟒 No	(If no	, explain in Remarks.)	
Are Vegetation, Soil,	or Hydrology _	significantly dis	turbed? Are "Norm	al Circumst	ances" present?	Yes No
Are Vegetation, Soil,	or Hydrology _	naturally proble	ematic? (If needed,	explain any	y answers in Remarks.	.)
SUMMARY OF FINDINGS – A	Attach site map	showing samplin	ng point locations, tran	nsects, im	portant features, o	etc.
Hydrophytic Vegetation Present	? Yes _	✓_ No	ļ			
Hydric Soil Present?	Yes <sub>-</sub>	No _ <b>_</b> _	Is the Sampled Area with	in a Wetlan	nd? Yes	s No⁄_
Wetland Hydrology Present?	Yes _	No <b>/</b> _	If yes, optional Wetland S	Site ID:		
Wetland Hydrology Indicators: Primary Indicators (minimum of  Surface Water (A1)  High Water Table (A2)  Saturation (A3)  Water Marks (B1)	· - -	_ Water-Stained Lea _ Aquatic Fauna (B1: _ Marl Deposits (B15 _ Hydrogen Sulfide (	3) 5) Odor (C1)	Surface Draina Moss T Dry-Se	y Indicators (minimum e Soil Cracks (B6) Ige Patterns (B10) Frim Lines (B16) Pason Water Table (C2)	•
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)		_ Presence of Reduc	tion in Tilled Soils (C6)	Stunte	tion Visible on Aerial II d or Stressed Plants (I orphic Position (D2)	-
Inundation Visible on Aerial		_ Other (Explain in R	temarks)		w Aquitard (D3) opographic Relief (D4)	1
Sparsely Vegetated Concave	Surface (B8)				eutral Test (D5)	
Field Observations:					· ·	
Surface Water Present?	Yes No _	<u>✓</u> Depth (	inches):			
Water Table Present?	Yes No _	•		-  Wetland ⊦	Hydrology Present?	Yes No _ <b>_</b>
Saturation Present?	Yes No _			-	., o. o., i resenti	
	res No _	<u>√</u> Depth (		-		
(includes capillary fringe)						
Describe Recorded Data (stream	ı gauge, monitorin	g well, aerial photos	, previous inspections), if a	available:		
Remarks:						

ree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:  Number of Dominant Species That  (A)
. Quercus rubra	30	Yes	FACU	Are OBL, FACW, or FAC:
Ulmus americana	20	Yes	FACW	Total Number of Dominant Species 5 (B)
Prunus serotina	10	No	FACU	Across All Strata:
				Percent of Dominant Species That 60 (A/E
				Are OBL, FACW, or FAC:
				Prevalence Index worksheet:
				Total % Cover of: Multiply By:
·	60	= Total Cover		OBL species 0 x 1 = 0
aulia a /Church Church una /Dlat airea - 45 ft - )		- Total Cover		FACW species 20 x 2 = 40
apling/Shrub Stratum (Plot size: 15 ft )		V	FACIL	FAC species 75 x 3 = 225
Lonicera morrowii	35	Yes	FACU	FACU species 228 x 4 = 912
	.=-	Percent cover cannot		UPL species 0 x 5 = 0
. Ostrya virginiana	153	be greater than a	FACU	Column Totals 323 (A) 1177 (
		previous species		Prevalence Index = B/A =3.6
				Hydrophytic Vegetation Indicators:
				1- Rapid Test for Hydrophytic Vegetation
· <u> </u>				_✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤ 3.0¹
	188	= Total Cover		4 - Morphological Adaptations <sup>1</sup> (Provide supporti
erb Stratum (Plot size:5 ft)	-			data in Remarks or on a separate sheet)
. Viola sororia	50	Yes	FAC	Problematic Hydrophytic Vegetation¹ (Explain)
Sanicula odorata	25	Yes	FAC	Indicators of hydric soil and wetland hydrology must b
-		163	TAC	present, unless disturbed or problematic
·				Definitions of Vegetation Strata:
·				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
				breast height (DBH), regardless of height.
·				Sapling/shrub – Woody plants less than 3 in. DBH and
·				greater than or equal to 3.28 ft (1 m) tall.
				Herb – All herbaceous (non-woody) plants, regardless
				size, and woody plants less than 3.28 ft tall.
0.	·			Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				Hydrophytic Vegetation Present? Yes/_ No
	75	= Total Cover		
/oody Vine Stratum (Plot size: 30 ft )		Total Cover		
-				
·				
•	·			
	0	= Total Cover		

		to the de				ndicato	or confirm the	absence of indicator	rs.)
Depth _	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Tex	ture	Remarks
0 - 4	10YR 3/3	100					Silty Cl	ay Loam	
4 - 18	10YR 4/3	100							
				_				_	
				_					
				_					
				_					
				_					
				_					
				_					
				_					
				_					
				_					
		<u> </u>					<u> </u>		
	Concentration, D =	Depletio	n, RM = Reduced	Mat	rıx, MS =	Masked	Sand Grains. 2	Location: PL = Pore	
Hydric Soil	Indicators:							Indicators for Pro	oblematic Hydric Soils³:
Histosol	(A1)		Polyvalue Bel	ow S	urface (S	8) <b>(LRR</b>	R, MLRA 149B)	2 cm Muck (A	(10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		Thin Dark Sur	face	(S9) (LRR	R, MLR	A 149B)		Redox (A16) <b>(LRR K, L, R)</b>
Black Hi	stic (A3)		Loamy Mucky	Mir	eral (F1)	(LRR K, I	_)		Peat or Peat (S3) (LRR K, L, R)
Hydroge	en Sulfide (A4)		Loamy Gleyed					Dark Surface	
Stratifie	d Layers (A5)		Depleted Mat	rix (I	<del>-</del> 3)			<del></del>	low Surface (S8) <b>(LRR K, L)</b>
Deplete	d Below Dark Surf	ace (A11)	) Redox Dark S	urfa	ce (F6)			-	rface (S9) <b>(LRR K, L)</b>
Thick Da	ark Surface (A12)		Depleted Dar	k Su	rface (F7)				ese Masses (F12) (LRR K, L, R)
Sandy M	lucky Mineral (S1)		Redox Depre	ssior	ns (F8)				odplain Soils (F19) (MLRA 149B)
Sandy G	leyed Matrix (S4)								
Sandy R	tedox (S5)								(TA6) (MLRA 144A, 145, 149B)
_	d Matrix (S6)							Red Parent M	
	rface (S7) <b>(LRR R, N</b>	/II RΔ 1//	OR)						Dark Surface (TF12)
Dark 3a	riace (57) (ERR II, II	/ILIV ( 1-7.	,,,					Other (Explai	n in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydr	olog	y must be	e preser	t, unless disturb	ed or problematic.	
Restrictive I	_ayer (if observed):	:							
	Type:		None			Hydric	Soil Present?		Yes No/
	Depth (inches):								
Remarks:									
itemarks.									



Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



or Hydrology tach site map Yes Yes	signification natural natura natu	ne of year?  antly disturbed?  Are "Norn ly problematic?  (If needed  ampling point locations, tra  Is the Sampled Area with  If yes, optional Wetland	nvex, none): Concave    31	Slope (%): 0 to 1  Datum: WGS84  cation: arks.)  Yes _ ✓ No narks.)
on the site typic or Hydrology or Hydrology tach site map Yes Yes	signification natural natura natu	Local relief (concave, concave, concave	nvex, none): Concave    31   Long: -74.3800821249     NWI classifi   o (If no, explain in Remainal Circumstances" present?   d, explain any answers in Remainsects, important feature	Datum: WGS84 cation: arks.) Yes _ ✓ No narks.) res, etc. Yes _ ✓ No
on the site typic or Hydrology or Hydrology tach site map Yes Yes	signification natural natura natu	Lat: 42.88218463  ne of year? Yes/_ N antly disturbed? Are "Norn ly problematic? (If needec  ampling point locations, tra  Is the Sampled Area with  If yes, optional Wetland	NWI classifi  NW	Datum: WGS84 cation: arks.) Yes _ ✓ No narks.) res, etc. Yes _ ✓ No
on the site typic or Hydrology or Hydrology tach site map Yes Yes	signification natural natura natu	ne of year?  antly disturbed?  Are "Norn ly problematic?  (If needed  ampling point locations, tra  Is the Sampled Area with  If yes, optional Wetland	NWI classifi o (If no, explain in Rema nal Circumstances" present? d, explain any answers in Rem ansects, important featur nin a Wetland?	res, etc.
or Hydrology or Hydrology tach site map Yes Yes Yes	signification natural natura natu	antly disturbed? Are "Norm ly problematic? (If needed  ampling point locations, tra  Is the Sampled Area with  If yes, optional Wetland	o (If no, explain in Remand Circumstances" present? d, explain any answers in Remansects, important feature	erks.) Yes/_ No narks.)  res, etc.  Yes/_ No
or Hydrology or Hydrology tach site map Yes Yes Yes	signification natural natura natu	antly disturbed? Are "Norm ly problematic? (If needed  ampling point locations, tra  Is the Sampled Area with  If yes, optional Wetland	nal Circumstances" present? d, explain any answers in Rem ansects, important featur nin a Wetland?	Yes _ ✓ No narks.) res, etc. Yes _ ✓ No
or Hydrology tach site map Yes Yes Yes	o showing s	ampling point locations, tra  Is the Sampled Area with	d, explain any answers in Remansects, important feature	res, etc.  Yes/_ No
tach site map Yes Yes Yes	o showing s	ampling point locations, tra  Is the Sampled Area with	ansects, important featur	res, etc.  Yes/_ No
Yes Yes Yes	✓ No	Is the Sampled Area with	nin a Wetland?	Yes No
 - - - - - - nagery (B7)	Water-Stai Aquatic Fa Marl Depo Hydrogen Oxidized R Presence c Recent Iroi Thin Muck	ned Leaves (B9) una (B13) sits (B15) Sulfide Odor (C1) hizospheres on Living Roots (C3) of Reduced Iron (C4) n Reduction in Tilled Soils (C6) Surface (C7)	Saturation Visible on Ae Stunted or Stressed Pla ∕ Geomorphic Position (D Shallow Aquitard (D3) Microtopographic Relie	e (C2) erial Imagery (C9) ents (D1)
Yes No		Depth (inches):		
Yes _ No		Depth (inches):	— Wetland Hydrology Presen	t? Yes No
		•	_	·
163 INU			-	
	منسم المسلم	l mhataa muu ia wa in anaatia maki	Favailable.	·
3-09/	,	, p. 1000, p. 1000		
		— Water-Stai — Aquatic Fa — Marl Depo — Hydrogen — Oxidized R — Presence o — Recent Iron — Thin Muck nagery (B7) — Other (Exp urface (B8)  Yes — No ✓ Yes — No ✓ Yes — No ✓	— Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C6) — Thin Muck Surface (C7)  Depth (inches):  Yes No _ ✓ Depth (inches):  Yes No _ ✓ Depth (inches):	Water-Stained Leaves (B9) — Aquatic Fauna (B13) — Marl Deposits (B15) — Hydrogen Sulfide Odor (C1) — Oxidized Rhizospheres on Living Roots (C3) — Presence of Reduced Iron (C4) — Recent Iron Reduction in Tilled Soils (C6) — Thin Muck Surface (C7) — Other (Explain in Remarks) — Yes No _∠ Depth (inches):  — Surface Soil Cracks (B6) — Drainage Patterns (B10) — Moss Trim Lines (B16) — Dry-Season Water Table — Crayfish Burrows (C8) — Saturation Visible on Ae — Stunted or Stressed Pla — Geomorphic Position (E — Shallow Aquitard (D3) — Microtopographic Relie — FAC-Neutral Test (D5)  Wetland Hydrology Presen

Tree Stratum (Plot size: <u>30 ft</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:  Number of Dominant Species That	i 4	(A)
. Populus deltoides	15	Yes	FAC	Are OBL, FACW, or FAC:		(A)
. Salix nigra	10	Yes	OBL	Total Number of Dominant Specie	s <b>5</b>	(B)
				Across All Strata:		
				Percent of Dominant Species That	80	(A/B)
				Are OBL, FACW, or FAC:		
·				Prevalence Index worksheet:		
				Total % Cover of:	<u>Multiply</u>	<u>Ву:</u>
•				OBL species 20	x 1 =	20
	25	= Total Cover		FACW species 65	x 2 =	130
apling/Shrub Stratum (Plot size: 15 ft )				FAC species 30	x 3 =	90
. Lonicera morrowii	30	Yes	FACU	FACU species 30	x 4 =	120
. Salix nigra	10	Yes	OBL	UPL species 0	x 5 =	0
· <u></u>				Column Totals 145	- (A)	360 (B)
·						300 (b)
				Prevalence Index = B/A =		<del></del>
				Hydrophytic Vegetation Indicators	:	
	· ———			1- Rapid Test for Hydrophytic	Vegetation	
·	40	= Total Cover		2 - Dominance Test is >50%		
Louis Churchama (Distraina) - E. ft	40	- Total Cover		$\checkmark$ 3 - Prevalence Index is $\le 3.0^{\circ}$		
lerb Stratum (Plot size: <u>5 ft</u> )	20		E4 6144	4 - Morphological Adaptation	s¹ (Provide	supporting
. Solidago gigantea	30	Yes	FACW	data in Remarks or on a separate	sheet)	
		Percent cover		Problematic Hydrophytic Veg	etation¹ (Ex	plain)
. Osmundastrum cinnamomeum	35	cannot be greater	FACW	¹Indicators of hydric soil and wetla	nd hydrolo	gy must be
		than a previous		present, unless disturbed or probl	-	33
		species		Definitions of Vegetation Strata:		
3. Sanicula odorata	15	No	FAC	Tree – Woody plants 3 in. (7.6 cm)	or more in (	diameter at
l				breast height (DBH), regardless of		alameter a
5				- Sapling/shrub - Woody plants less	-	)BH and
5.				greater than or equal to 3.28 ft (1)		, Biri dilid
7.				Herb – All herbaceous (non-wood)		ardless of
3.		-		size, and woody plants less than 3		gar aress or
).	· ———			Woody vines – All woody vines gre		28 ft in
				height.	ater triair 5	2010111
				-		
1	-			Hydrophytic Vegetation Present?	Yes N	10
2	· ——					
	80	= Total Cover				
<u>Voody Vine Stratum</u> (Plot size: <u>30 ft</u> )						
l						
2.						
3.						
·	0	= Total Cover		•		
	U	TOTAL COVE		İ		

Depth   Matrix   (inches)   Color (moist)	% Color (moist)	<ul><li>Features</li><li>% Type¹</li><li>—</li><li>—</li><li>—</li></ul>	Loc² Texto	
	<u></u>	% Type <sup>1</sup>		
0 - 8 10YR 3/2	100		Silt Lo	pam
				-
				·
¹Type: C = Concentration, D = De	epletion, RM = Reduced	Matrix, MS =	Masked Sand Grains.	<sup>2</sup> Location: PL = Pore Lining, M = Matrix.
Hydric Soil Indicators:				Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalue Bel	ow Surface (S	8) (LRR R, MLRA 149B	· ·
Histic Epipedon (A2)			R R, MLRA 149B)	'' 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R)
Black Histic (A3)	Loamy Mucky			
Hydrogen Sulfide (A4)	Loamy Gleye		. , ,	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Stratified Layers (A5)	Depleted Mar			Dark Surface (S7) (LRR K, L)
Depleted Below Dark Surface	· ·	Polyvalue Below Surface (S8) (LRR K, L)		
Thick Dark Surface (A12)	Depleted Dar	k Surface (F7)		Thin Dark Surface (S9) (LRR K, L)
Sandy Mucky Mineral (S1)	Redox Depre	ssions (F8)		Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy Gleyed Matrix (S4)				Piedmont Floodplain Soils (F19) (MLRA 149B)
Sandy Redox (S5)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Stripped Matrix (S6)				Red Parent Material (F21)
Dark Surface (S7) (LRR R, MLF	RA 149R)			Very Shallow Dark Surface (TF12)
	(CC 1155)			_✓ Other (Explain in Remarks)
<sup>3</sup> Indicators of hydrophytic vegeta	ation and wetland hydr	ology must b	e present, unless disti	urbed or problematic.
Restrictive Layer (if observed):				
Type:	Rock		Hydric Soil Present?	Yes <u></u> ✓ No
Depth (inches):	8			
Remarks:			1	
According to the USDA NRCS the	e mapped soil type is cl	assified as hy	dric. Floodplain soils.	

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



Project/Site: Mill Point		City/County:_,		Sampling Date	: 2020-Nov-13
Applicant/Owner: ConnectGe	en	_	State:	Sampling Point:	W-MJR-07_UPL-1
Investigator(s): Matt Regan, K	ate Harrelson		Section, Township,	Range:	
Landform (hillslope, terrace, etc	:.): Hillslope		Local relief (concave, conv	rex, none): Convex	Slope (%): 5 to 10
Subregion (LRR or MLRA):	LRR L		Lat: 42.882264386	9 <b>Long:</b> -74.3801397086	Datum: WGS84
Soil Map Unit Name:				NWI classif	ication:
Are climatic/hydrologic conditio	ns on the site typical	l for this time of ye	ar? Yes <u>✓</u> No	(If no, explain in Rem	arks.)
Are Vegetation, Soil,	or Hydrology _	significantly di	sturbed? Are "Norm	al Circumstances" present?	Yes No
Are Vegetation, Soil,	or Hydrology _	naturally prob	ematic? (If needed,	explain any answers in Ren	narks.)
Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present? Remarks: (Explain alternative ptechnic Covertype is UPL.	Yes _ Yes _ Yes _	No _ <b>∠</b> No _ <b>∠</b> No _ <b>∠</b>	ls the Sampled Area withi	n a Wetland?	res, etc.  Yes No✓
HYDROLOGY  Wetland Hydrology Indicators:  Primary Indicators (minimum of the control of the cont	· 	eck all that apply) Water-Stained Lea Aquatic Fauna (B1 Marl Deposits (B1	3)	Secondary Indicators (minimum)  Surface Soil Cracks (B6)  Drainage Patterns (B10)  Moss Firm Lines (B16)	) ))
Water Marks (B1)		Hydrogen Sulfide	Odor (C1)	Dry-Season Water Tabl	e (C2)
Sediment Deposits (B2)			neres on Living Roots (C3)	<ul><li>Crayfish Burrows (C8)</li><li>Saturation Visible on A</li></ul>	erial Imagery (C9)
Drift Deposits (B3)		Presence of Redu		Stunted or Stressed Pla	
Algal Mat or Crust (B4)			ction in Tilled Soils (C6)	Geomorphic Position (I	
Iron Deposits (B5)		Thin Muck Surface		Shallow Aquitard (D3)	
Inundation Visible on Aerial Sparsely Vegetated Concave		Other (Explain in l	Remarks)	Microtopographic Relie	ef (D4)
Sparsely regetated concave	s surface (bo)			FAC-Neutral Test (D5)	
Field Observations:					
Surface Water Present?	Yes No	Depth	(inches):		
Water Table Present?	Yes No	Depth	(inches):	Wetland Hydrology Preser	nt? Yes No
Saturation Present?	Yes No	Depth	(inches):	-	
(includes capillary fringe)		•		-	
Describe Recorded Data (stream	m gauge monitoring	well aerial nhoto	s previous inspections) if:	available.	
	m gauge, monitoring	g well, aeriai prioto.	s, previous irispections, ir o	зуанаше.	
Remarks:					

·				<u> </u>		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant		Dominance Test worksheet:		
	-	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
1. Carya ovata	35	Yes	FACU	Total Number of Dominant Species		<del></del>
2. <i>Quercus rubra</i>	25	Yes	FACU	Across All Strata:	5	(B)
3				Percent of Dominant Species That		
4.				- Are OBL, FACW, or FAC:	0	(A/B)
5				Prevalence Index worksheet:		
6				- Total % Cover of:	Multiply	Bv:
7				OBL species 0	x 1 =	<u>ру.</u> О
	60	= Total Cov	er	FACW species 0	x 2 =	0
Sapling/Shrub Stratum (Plot size: 15 ft )				FAC species 0	x3=	0
1. Lonicera morrowii	50	Yes	FACU	_ <del></del>	-	
2. Fagus grandifolia	20	Yes	FACU		x 4 =	520
3.				UPL species 50	x 5 =	250
4.				- Column Totals 180	(A)	770 (B)
5.				Prevalence Index = B/A =	4.3	
6.				Hydrophytic Vegetation Indicators:		
7.				1- Rapid Test for Hydrophytic \	/egetatior	1
··	70	= Total Cov	or	2 - Dominance Test is > 50%		
Haula Chushiyas (Dlah sima) - E.ft - \	70	- TOTAL COV	ei	3 - Prevalence Index is $\leq 3.0^{\circ}$		
Herb Stratum (Plot size: 5 ft )	F0	Voc	LIDI	4 - Morphological Adaptations		supporting
Eurybia macrophylla	50	Yes	UPL	data in Remarks or on a separate sh	neet)	
2				- Problematic Hydrophytic Vege	tation¹ (Ex	kplain)
3.				- landicators of hydric soil and wetlan	d hydrolo	gy must be
4				present, unless disturbed or proble	matic	
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) o		diameter at
7				breast height (DBH), regardless of h	_	
8.				Sapling/shrub – Woody plants less t		DBH and
9				greater than or equal to 3.28 ft (1 m		
10				Herb – All herbaceous (non-woody)		gardless of
11				size, and woody plants less than 3.2		
12.				Woody vines – All woody vines grea	ter than 3	.28 ft in
	50	= Total Cov	er	height.		
Woody Vine Stratum (Plot size: 30 ft )		-		Hydrophytic Vegetation Present?	Yes N	Vo <u>✓</u>
1.						
2.				-		
3.						
4.				-		
· ·		= Total Cov	er	-		
		- Total Cov	Ci			
Remarks: (Include photo numbers here or on a sepa	rate sheet.)					

	ription: (Describe t	to the de				indicato	r or confirm the a	absence of ir	ndicators.)
Depth _	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	<u> </u>	Remarks
0 - 4	10YR 3/2	100					Silt Loam	n _	
				_					
				_			-		
		· —— ·		_					
		· ·		_					
				_					
		. —		_					
		. —		_					
				_					
				_			-		
¹Tvpe: C = C	oncentration, D = I	Depletio	n. RM = Reduced	— Mat	rix. MS =	Masked	Sand Grains 21	Location: Pl	= Pore Lining, M = Matrix.
Hydric Soil I		- ср.сс.о	.,,		,	masited	. 54.14 (14.115)		for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Bel	0147 C	iurfaca (S	:0) (I DD	D MIDA 140D)		•
	` '		Polyvalue Bell Thin Dark Sur						Muck (A10) <b>(LRR K, L, MLRA 149B)</b>
	oipedon (A2)							Coast	Prairie Redox (A16) (LRR K, L, R)
Black Hi	en Sulfide (A4)		Loamy Mucky Loamy Gleyed			(LKK K,	L)	5 cm N	Mucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
			, ,					Dark 9	Surface (S7) <b>(LRR K, L)</b>
Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Redox Dark Surface (F6)								Polyva	alue Below Surface (S8) (LRR K, L)
	irk Surface (A12)		Depleted Dar			١			Park Surface (S9) <b>(LRR K, L)</b>
	lucky Mineral (S1)		Redox Depres			,		Iron-N	langanese Masses (F12) (LRR K, L, R)
			Redox Depres	33101	15 (1-0)			Piedm	ont Floodplain Soils (F19) (MLRA 149B)
-	leyed Matrix (S4)							Mesic	Spodic (TA6) (MLRA 144A, 145, 149B)
_	edox (S5)							Red Pa	arent Material (F21)
	l Matrix (S6)							Very S	hallow Dark Surface (TF12)
Dark Su	rface (S7) <b>(LRR R, M</b>	1LRA 149	)B)					Other	(Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydro	olog	v must b	e preser	nt. unless disturbe	ed or proble	matic
-	ayer (if observed):			0.	,		.,		
	Type:		Rock			Hydric	: Soil Present?	,	⁄es No _ <b>_</b> ⁄_
	• •		-			riyuric	. Joh Fresent:		esNU/_
	Depth (inches):	_	4						
Remarks:									
]									

Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Mill Point Solar	Point Solar City/County: Fultonville, Montgomery County Sampling Date: 2022-April-20						
Applicant/Owner: ConnectGer	า	State: NY	Sampling Point: \	N-MLM-05_PEM-5			
Investigator(s): Melanie Musar	ra, Giovanni Pambianchi	Section, Township, Ra	inge:				
Landform (hillslope, terrace, etc.)	): Depression	Local relief (concave, convex,	, none): Concave	Slope (%): 0 to 1			
Subregion (LRR or MLRA): L	RR L	Lat: 42.930671	Long: -74.396153	Datum: WGS84			
Soil Map Unit Name: ApB - Ap	pleton silt loam, 3 to 8 percent slopes	i	NWI classific	ation: PEM			
Are climatic/hydrologic condition	ns on the site typical for this time of ye		(If no, explain in Rema	rks.)			
Are Vegetation, Soil,	or Hydrology significantly di	sturbed? Are "Normal (	Circumstances" present?	Yes No			
Are Vegetation, Soil,	or Hydrology naturally prob	lematic? (If needed, ex	plain any answers in Rem	arks.)			
SUMMARY OF FINDINGS – A	Attach site map showing sampli	ng point locations, transe	ects, important featur	es, etc.			
Hydrophytic Vegetation Present		<u> </u>	•				
		la tha Camania di Amaa within a	. 18/ada 12	Van ( Na			
Hydric Soil Present?	Yes _ 🗸 No	Is the Sampled Area within a		Yes No			
Wetland Hydrology Present?	Yes _ <b>∠</b> _ No	If yes, optional Wetland Site	ID:	W-MLM-05			
Remarks: (Explain alternative pr	ocedures here or in a separate report	i)					
Covertype is DEM. Area is wetlar	ad all three wetland parameters are r	recent					
Covertype is PEM. Area is wetiar	nd, all three wetland parameters are p	resent.					
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of	one is required; check all that apply)	<u>Se</u>	condary Indicators (minin	num of two required)			
•			=	•			
✓ Surface Water (A1)	Water-Stained Lea	aves (B9)	_ Surface Soil Cracks (B6)				
High Water Table (A2)	Aquatic Fauna (B1		Drainage Patterns (B10)				
✓ Saturation (A3)	Marl Deposits (B1		Moss Trim Lines (B16)				
Water Marks (B1)	Hydrogen Sulfide		Dry-Season Water Table (C2)				
	, ,		Crayfish Burrows (C8)				
Sediment Deposits (B2)	•	heres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Redu	iced Iron (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Redu	ction in Tilled Soils (C6)	stanted of stressed hands (51) Geomorphic Position (D2)				
Iron Deposits (B5)	Thin Muck Surface	A (( /)	·	<del>-</del> )			
Inundation Visible on Aerial	Imagery (B7) Other (Explain in I	Remarksi	_ Shallow Aquitard (D3)				
Sparsely Vegetated Concave	Surface (B8)		_ Microtopographic Relief	(D4)			
sparsely regetated conteave	Surface (Bo)		FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present?	Yes No Depth	(inches): 2					
Water Table Present?	·	· —	etland Hydrology Present	? Yes No			
			etiana riyarology Fresent	: 103110			
Saturation Present?	Yes No Depth	(inches):					
(includes capillary fringe)							
		; f	ilalala.				
Describe Recorded Data (stream	n gauge, monitoring well, aerial photo	s, previous inspections), ii ava	mable:				
Remarks:							

				-		
<u>Tree Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That	: 2	(A)
1. Ulmus americana	10	Yes	FACW	Are OBL, FACW, or FAC:		(^)
2.				Total Number of Dominant Species	5 2	(D)
3.				Across All Strata:	2	(B)
				Percent of Dominant Species That	400	(4 (5)
4				Are OBL, FACW, or FAC:	100	(A/B)
5				Prevalence Index worksheet:	-	
6				Total % Cover of:	Multiply E	av.
7				OBL species 0	x 1 =	0
	10	= Total Cov	er	· -	-	
Sapling/Shrub Stratum (Plot size:15 ft)		-		FACW species 95	x 2 =	190
1.				FAC species 0	x 3 =	0
				FACU species 0	x 4 =	0
2				UPL species 0	x 5 =	0
3				Column Totals 95	(A)	190 (B)
4				Prevalence Index = B/A =	- '' -	
5.				•		
6.				Hydrophytic Vegetation Indicators		
7.				1- Rapid Test for Hydrophytic	Vegetation	
···	0	= Total Cov	or	✓ 2 - Dominance Test is >50%		
		- TOTAL COV	ei	$\checkmark$ 3 - Prevalence Index is $\le$ 3.0 <sup>1</sup>		
<u>Herb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological Adaptation	s¹ (Provide s	supporting
1. <i>Phragmites australis</i>	85	Yes	FACW	data in Remarks or on a separate s		
2				Problematic Hydrophytic Veg		olain)
3.				¹Indicators of hydric soil and wetla		
4.				present, unless disturbed or probl		y must be
5.				<u>-</u>	- Induc	
				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm)		liameter at
7				breast height (DBH), regardless of		
8.				Sapling/shrub – Woody plants less		BH and
9				greater than or equal to 3.28 ft (1)		
10				Herb – All herbaceous (non-wood)		ardless of
11.				size, and woody plants less than 3	28 ft tall.	
12.				Woody vines – All woody vines gre	ater than 3.2	28 ft in
12.	85	= Total Cov	or	height.		_
	- 63	- TOTAL COV	ei	Hydrophytic Vegetation Present?	Yes / No	_
Woody Vine Stratum (Plot size: 30 ft )				Trydrophydic Vegetadion i Tesenic.	1051	~
1						
2						
3.						
4.						
	0	= Total Cov	er	•		
	-		-			
Remarks: (Include photo numbers here or on a separat	e sheet.)					

Profile Desc Depth	ription: (Describe t Matrix	o the o	depth needed to d Redox			indicato	r or confirm the a	bsence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0 - 10	10YR 3/1	98	10YR 4/6	2	C	M	Clay	Kemana
						·		
				_				
				_				
				_				
				_				
				_				
				_				
				_				
				_				
				_				
		- —		_			•	
1Type: C = C	Concentration, D = [	Denleti	on RM = Reduce	- Mat	riv MS =	Masker	Sand Grains 21	ocation: PL = Pore Lining, M = Matrix.
Hydric Soil I		-chiell	on, Kivi – Keducei	a ividi	17, 1813 -	ויומאפט	. Jana GrantsL	Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Re	low s	Surface (	S8) (I RP	R. MI RA 149R)	•
	Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B)							2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black Hi	•		Loamy Muck				' <del>-</del>	Coast Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gleye	-				5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L)
Stratifie	d Layers (A5)		Depleted Ma	atrix (	F3)			Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surfa	ice (A1						Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)		Depleted Da			<b>'</b> )		Iron-Manganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depr	essio	ns (F8)			Piedmont Floodplain Soils (F19) (MLRA 149B)
-	ileyed Matrix (S4)							Mesic Spodic (TA6) <b>(MLRA 144A, 145, 149B)</b>
-	edox (S5)							Red Parent Material (F21)
	d Matrix (S6)	II DA 1	10D)					Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) <b>(LRR R, M</b>	ILKA 14	+96)					Other (Explain in Remarks)
-	of hydrophytic vege	etation	and wetland hyd	rolog	gy must b	e preser	nt, unless disturbe	ed or problematic.
Restrictive L	_ayer (if observed):							
	Type:		None	_		Hydric	Soil Present?	Yes No
	Depth (inches):							
Remarks:								
A digging re	estriction was obse	rved at	10 inches due to	grav	el			

Hydrology Photos



Vegetation Photos





Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

or Hydrolog tach site ma Ye Ye	ap showing  yes No	Local relie Lat: nt slopes me of year? cantly disturbed? ally problematic? sampling point I  L Is the Sam If yes, opt te report)	Yes/_ No Are "Normal (If needed, ex ocations, trans opled Area within fonal Wetland Site	Range:  ex, none): None  Long: -74.3960392505  NWI classifi  (If no, explain in Remail Circumstances" present?  explain any answers in Remainsects, important feature	ication: None arks.) Yes/_ No narks.)	
Flat R L eton silt loam, on the site typ or Hydrolog or Hydrolog tach site ma Ye Ye tedures here o	ap showing  yes No	Local relie Lat: nt slopes me of year? cantly disturbed? ally problematic? sampling point I  L Is the Sam If yes, opt te report)	Yes _ V No _ Are "Normal (If needed, expocations, transcipled Area within ional Wetland Site)	ex, none): None  2 Long: -74.3960392505  NWI classifi  (If no, explain in Remail Circumstances" present? explain any answers in Remainsects, important features as Wetland?	Datum: WGS84 ication: None arks.) Yes _ / No narks.) res, etc.	
eton silt loam, on the site typ or Hydrolog or Hydrolog tach site ma  Ye Ye  redures here o	oical for this ti	Lat: nt slopes me of year? cantly disturbed? ally problematic? sampling point I  letter   let	Yes _ No _ Are "Normal (If needed, expocations, transcipled Area within ional Wetland Sites	Long: -74.3960392505  NWI classifi  (If no, explain in Remail Circumstances" present?  explain any answers in Remainsects, important features as Wetland?	Datum: WGS84 ication: None arks.) Yes _ / No narks.) res, etc.	
eton silt loam, on the site typ or Hydrolog or Hydrolog tach site ma  Ye Ye tedures here o	oical for this ti	nt slopes me of year? cantly disturbed? ally problematic?  sampling point I  lis the Sam lif yes, opt te report)	Yes/_ No Are "Normal (If needed, ex ocations, trans opled Area within fonal Wetland Site	NWI classifi (If no, explain in Rema I Circumstances" present? explain any answers in Rem sects, important featur a Wetland?	ication: None arks.) Yes _ ✓ No narks.) res, etc.	
on the site typ or Hydrolog or Hydrolog tach site ma  Ye Ye cedures here o	oical for this ti	me of year? cantly disturbed? ally problematic?  sampling point I  left left left left left left left left	Are "Normal (If needed, ex ocations, trans upled Area within ional Wetland Site	(If no, explain in Remail Circumstances" present? explain any answers in Remaisects, important feature a Wetland?	res, etc.	
or Hydrolog or Hydrolog tach site ma Ye Ye cedures here o	gy signification signific	cantly disturbed? ally problematic?  sampling point I  lis the Sam lif yes, opt te report)	Are "Normal (If needed, ex ocations, trans upled Area within ional Wetland Site	I Circumstances" present? explain any answers in Rem sects, important featur a a Wetland?	Yes _✓ No narks.) res, etc.	
or Hydrolog tach site ma Ye Ye Zedures here o	gy natura ap showing fes No, fes No or in a separat	sampling point I  I ls the Sam If yes, opt te report)	(If needed, exposed of the control o	explain any answers in Rem sects, important featur a Wetland?	res, etc.	
tach site ma Ye Ye Ye Tedures here o	ap showing  les No,  les No,  les No,  or in a separat	sampling point I	ocations, trans	sects, important featur	res, etc.	
Ye Ye redures here o	es No, es No, es No	Is the Sam If yes, opt te report)	ipled Area within ional Wetland Site	a Wetland?		
Ye Ye redures here o	es No, es No, es No	Is the Sam If yes, opt te report)	ipled Area within ional Wetland Site	a Wetland?		
Ye Yeedures here o	es No, es No or in a separat	Is the Sam If yes, opt te report)	ional Wetland Site		Yes No/_	
edures here o	es No	lf yes, opt	ional Wetland Site		Yes No/_	
cedures here o	or in a separat	te report)		e ID:		
ne is required;	; check all tha	nt apply)				
nagery (B7) urface (B8)	Aquatic F Marl Dep Hydroger Oxidized Presence Recent Ird Thin Muc	osits (B15)  n Sulfide Odor (C1)  Rhizospheres on Liv  of Reduced Iron (Co  on Reduction in Tille  k Surface (C7)	- - - ving Roots (C3) - 1) -	Secondary Indicators (minimum of two requir  Surface Soil Cracks (B6)  Drainage Patterns (B10)  Moss Trim Lines (B16)  Dry-Season Water Table (C2)  Crayfish Burrows (C8)  Saturation Visible on Aerial Imagery (C9)  Stunted or Stressed Plants (D1)  Geomorphic Position (D2)  Shallow Aquitard (D3)  Microtopographic Relief (D4)		
				FAC-Neutral Test (D5)		
V **		Danath (See also as)				
Yes No		Depth (inches):	12V	Wetland Hydrology Presen	t? Yes No	
Yes No		Depth (inches):				
;auge, monitoi	ring weil, aeri	ai pnotos, previous	inspections), if av	vallable:		
	Yes No Yes No Yes No	Marl DepHydrogerOxidizedPresenceRecent InThin Muc nagery (B7)Other (Ex urface (B8)  YesNo YesNo YesNo	Presence of Reduced Iron (C4 Recent Iron Reduction in Tille Thin Muck Surface (C7) agery (B7) Other (Explain in Remarks) urface (B8)  Yes No Depth (inches): Yes No Depth (inches):	Marl Deposits (B15)Hydrogen Sulfide Odor (C1)Oxidized Rhizospheres on Living Roots (C3)Presence of Reduced Iron (C4)Recent Iron Reduction in Tilled Soils (C6)Thin Muck Surface (C7)Other (Explain in Remarks) urface (B8)  YesNo Depth (inches): YesNo Depth (inches): 12 YesNo Depth (inches):	Aquatic Fauna (B13)  Marl Deposits (B15)  Hydrogen Sulfide Odor (C1)  Oxidized Rhizospheres on Living Roots (C3)  Presence of Reduced Iron (C4)  Recent Iron Reduction in Tilled Soils (C6)  Thin Muck Surface (C7)  Other (Explain in Remarks)  Yes No Depth (inches):  Moss Trim Lines (B16)  Dry-Season Water Table  Crayfish Burrows (C8)  Saturation Visible on Ae  Stunted or Stressed Pla  Geomorphic Position (I  Shallow Aquitard (D3)  Microtopographic Relie  FAC-Neutral Test (D5)	

<u>Free Stratum</u> (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksh  Number of Dominant Sp			
. Pinus strobus	50	Yes	FACU	Are OBL, FACW, or FAC:	recies iriat	1	(A)
	10	No	FACW	Total Number of Domina	ant Species		
	10	No No	FACU	Across All Strata:	'	3	(B)
				Percent of Dominant Sp	ecies That	22.2	(A (D)
. Tsuga canadensis	10	No No	FACU	Are OBL, FACW, or FAC:		33.3	(A/B)
. Acer rubrum	10	No	FAC	Prevalence Index works	neet:		
·				- <u>Total % Cover o</u>	<u>of:</u>	Multiply I	<u>Ву:</u>
·				- OBL species	0	x 1 =	0
	90	= Total Cove	er	FACW species	10	x 2 =	20
apling/Shrub Stratum (Plot size: 15 ft )				FAC species	20	x 3 =	60
. Ulmus rubra	10	Yes	FAC	- FACU species	70	x 4 =	280
•				- UPL species	10	x 5 =	50
·				Column Totals	110	(A)	410 (B)
·				- Prevalence Inc		_	110 (5)
·							
				Hydrophytic Vegetation			
				1- Rapid Test for H		egetation	
	10	= Total Cove	er	2 - Dominance Test			
lerb Stratum (Plot size:5 ft)		=		3 - Prevalence Inde			
. Erythronium americanum	60	Yes	NI	4 - Morphological A			supporting
. Fragaria vesca	10	No	UPL	data in Remarks or on a			
			0.2	Problematic Hydro			
·				- Indicators of hydric soil		-	gy must be
				_ present, unless disturbe		natic	
				_ Definitions of Vegetation			
				Tree – Woody plants 3 ir			liameter a
				breast height (DBH), reg		_	
B				Sapling/shrub - Woody			BH and
				greater than or equal to			
0				Herb – All herbaceous (r			ardless of
1				size, and woody plants l			
2				Woody vines – All woody	/ vines great	er than 3.	28 ft in
	70	= Total Cove	er	height.			
Voody Vine Stratum (Plot size: <u>30 ft</u> )		-		Hydrophytic Vegetation	Present?	⁄es N	0
·				_			
·				_			
				_			
i	0	= Total Cove	er	_			

	cription: (Describe	to the de				indicato	r or confirm the a	absence of ind	licators.)
Depth _	Matrix		Redox	Feat	tures				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Textur	e	Remarks
0 - 14	10YR 3/1	100		_			Clay Loa	am	
14 - 18	2.5YR 4/2	95	5YR 4/6	5	С	M	Silt Loa	m	
				_					
				_					
				_					_
				_				<del></del>	
				_				<del></del> -	
				_					_
				_					
				_					
				_					
¹Type: C = C	Concentration, D =	Depletio	n, RM = Reduced	Mat	rix, MS =	Masked	Sand Grains. 2l	Location: PL =	Pore Lining, M = Matrix.
Hydric Soil	Indicators:							Indicators f	or Problematic Hydric Soils³:
Histosol	(A1)		Polyvalue Bel	ow S	Surface (S	8) <b>(LRR</b>	R, MLRA 149B)	2 cm Mi	uck (A10) <b>(LRR K, L, MLRA 149B)</b>
Histic Ep	oipedon (A2)		Thin Dark Su	face	(S9) <b>(LRF</b>	RR, MLR	A 149B)		rairie Redox (A16) (LRR K, L, R)
Black Hi			Loamy Mucky	/ Mir	eral (F1)	(LRR K,	L)		ucky Peat or Peat (S3) <b>(LRR K, L, R)</b>
	en Sulfide (A4)		Loamy Gleye						urface (S7) <b>(LRR K, L)</b>
	d Layers (A5)		Depleted Ma						ue Below Surface (S8) (LRR K, L)
	d Below Dark Surf	ace (A11							irk Surface (S9) <b>(LRR K, L)</b>
	ark Surface (A12)		Depleted Dar			)			anganese Masses (F12) (LRR K, L, R)
	lucky Mineral (S1)		Redox Depre	ssior	ıs (F8)				ont Floodplain Soils (F19) (MLRA 149B)
-	Gleyed Matrix (S4)								podic (TA6) <b>(MLRA 144A, 145, 149B)</b>
_	ledox (S5)								rent Material (F21)
Stripped	d Matrix (S6)								allow Dark Surface (TF12)
Dark Su	rface (S7) <b>(LRR R, N</b>	/ILRA 149	9B)					-	Explain in Remarks)
3Indicators	of hydrophytic veg	etation a	and wetland hydr	വിറള	v must b	e preser	nt. unless disturb		
-	Layer (if observed):		aria Wedaria riyar	0105	y mast b	Preser	ic, arriess distar b	ed or problem	
	Type:	•	None			Hydric	Soil Present?	,	Yes No _ <b>∠</b> _
	• •		None			пуштс	Soil Present?	,	resNo/_
	Depth (inches):							<del></del> -	
Remarks:									

Hydrology Photos



Vegetation Photos





Photo of Sample Plot North



Photo of Sample Plot East



Photo of Sample Plot South



Photo of Sample Plot West



# WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Mill Point Solar	City/County: Fultonville, Montgomery County Sampling Date: 2022-April-21						
Applicant/Owner: ConnectGer	າ	St	ate: NY	Sampling Point: W-M	LM-07_PEM-7		
Investigator(s): Melanie Musar	ra, Giovanni Pambianchi	Section, T	ownship, Range:				
Landform (hillslope, terrace, etc.)	: Depression	Local relief (conc	ave, convex, none)	: Concave	Slope (%): 0 to 1		
Subregion (LRR or MLRA):L	RR L	<b>Lat:</b> 42.91	69358684 <b>Long</b>	-74.3764843332	Datum: WGS84		
Soil Map Unit Name: Fo - Fond	da mucky silty clay loam	_		NWI classificatio	n: PEM		
Are climatic/hydrologic condition	s on the site typical for this	s time of year? Yes	No (If n	o, explain in Remarks.)			
Are Vegetation, Soil,	or Hydrology sigr	nificantly disturbed? Ar	e "Normal Circum	stances" present?	Yes No		
Are Vegetation <u></u> ✓, Soil,	or Hydrology nat	urally problematic? (If	needed, explain a	ny answers in Remarks	.)		
SUMMARY OF FINDINGS – A	Attach site map showir	ng sampling point locatio	ons, transects, ir	mportant features,	etc.		
Hydrophytic Vegetation Present	? Yes <u></u> ✓ No						
Hydric Soil Present?	Yes No	Is the Sampled A	rea within a Wetla	nd? Yes	No		
Wetland Hydrology Present?	Yes No _	If yes, optional W	Vetland Site ID:	W-N	1LM-07		
Remarks: (Explain alternative pr	<del></del>			<del></del>	-		
Covertype is PEM. Area is wetlar	•	•					
Covertype is PEM. Area is wellar	id, ali three wetiand param	ieters are present.					
HYDROLOGY							
Wetland Hydrology Indicators:							
Primary Indicators (minimum of	one is required; check all t	that annly)	Seconda	ry Indicators (minimum	of two required)		
Trimary maleators (minimam or	one is required, eneck air i	шас арруу		ce Soil Cracks (B6)	or two required)		
<u>✓</u> Surface Water (A1)		-Stained Leaves (B9)		age Patterns (B10)			
<u>✓</u> High Water Table (A2)		c Fauna (B13)		_ Moss Trim Lines (B16)			
✓ Saturation (A3)		eposits (B15)		_ Dry-Season Water Table (C2)			
Water Marks (B1)		gen Sulfide Odor (C1)	Cravf	ish Burrows (C8)			
Sediment Deposits (B2)		ed Rhizospheres on Living Ro	10ts (( 3)	turation Visible on Aerial Imagery (C9)			
Drift Deposits (B3)		nce of Reduced Iron (C4)	Stunt	ed or Stressed Plants ([	9 9 1		
Algal Mat or Crust (B4)		t Iron Reduction in Tilled Soils	oils (C6) Geomorphic Position (D2)				
Iron Deposits (B5)	<del></del>	luck Surface (C7)	Shallo	ow Aquitard (D3)			
✓ Inundation Visible on Aerial	· · · · · · · · · · · · · · · · · · ·	(Explain in Remarks)	Micro	topographic Relief (D4)			
Sparsely Vegetated Concave	Surface (B8)		_ <u>√</u> FAC-N	Neutral Test (D5)			
Field Observations:							
Surface Water Present?	Yes No	Depth (inches):	2				
Water Table Present?	Yes No	Depth (inches):	0 Wetland	Hydrology Present?	Yes No		
Saturation Present?	Yes No	Depth (inches):	0				
(includes capillary fringe)		-					
Describe Recorded Data (stream	n gauge, monitoring well, a	erial photos, previous inspec	tions), if available:				
	. 80080,						
Remarks:							
The criterion for wetland hydrol	ogy is met.						

Tree Stratum (Plot size: <u>30 ft</u> )		Dominant Species?	Indicator Status	Dominance Test worksh Number of Dominant Sp Are OBL, FACW, or FAC:		2	(A)
l 2				Total Number of Domina Across All Strata:	ant Species	2	(B)
3. 	- <u></u>			Percent of Dominant Sp Are OBL, FACW, or FAC:	ecies That	100	(A/B)
5				Prevalence Index worksl	neet:		
5				Total % Cover o		Multiply E	3 <u>v:</u>
7				- OBL species	5	x 1 =	5
	0	= Total Cov	er	FACW species	100	x 2 =	200
Sapling/Shrub Stratum (Plot size: 15 ft )				FAC species	5	x 3 =	15
1. Cornus alba	10	Yes	FACW	- FACU species	0	x 4 =	0
2.				- UPL species	0	x 5 =	0
3				- Column Totals	110	(A)	220 (B)
4				Prevalence Inc		2	
5.				Hydrophytic Vegetation			<del></del> -
5				1- Rapid Test for H		/ogotation	
7				✓ 2 - Dominance Test		regetation	
	10	= Total Cov	er	✓ 3 - Prevalence Inde			
<u>-lerb Stratum</u> (Plot size: <u>5 ft</u> )				4 - Morphological A		I (Provido s	unnorting
1. <i>Phalaris arundinacea</i>	90	Yes	FACW	- daţa in Remarks or on a			supporting
2. Eutrochium purpureum	5	No	FAC	Problematic Hydro			olain)
3. <i>Typha latifolia</i>	5	No	OBL	¹Indicators of hydric soil			
4.				present, unless disturbe			y mast be
5.				Definitions of Vegetation			
 6.				Tree – Woody plants 3 in		more in d	liameter a
7.				breast height (DBH), reg			
8.				Sapling/shrub - Woody			BH and
				greater than or equal to			
10				Herb – All herbaceous (r			ardless of
				size, and woody plants l			
				Woody vines – All woody	vines great	ter than 3.2	28 ft in
12	100	= Total Cov	or	height.			
Woody Vine Stratum (Plot size:30 ft)		10tai Cov	еі	Hydrophytic Vegetation	Present?	∕es <u> </u>	0
1 2.				-			
2.				-			
3				<u>.</u>			
				≣			
4	0	= Total Cov	er	İ			

Profile Des	cription: (Describe	to the	depth needed to	docu	ment the	indicato	r or confirm the a	absence of indicators.)
Depth	Matrix		Redox	(Fea	tures			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc²	Texture	Remarks
0 - 15	10YR 2/1	97	10YR 5/8	3	C	M/PL	Clay	
				_				
				_				
				_				
				_				
				_				<del></del>
				_				
¹Type: C = 0	Concentration, D =	 Deplet	ion, RM = Reduce	d Ma	atrix, MS =	= Masked	Sand Grains. <sup>2</sup> L	Location: PL = Pore Lining, M = Matrix.
Hydric Soil			,		· ·			Indicators for Problematic Hydric Soils <sup>3</sup> :
Histoso			Polyvalue Be	alow	Surface (	S8) (I RR	R MI RA 149R)	•
	Histosol (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B)  Histic Epipedon (A2) Thin Dark Surface (S9) (LRR R, MLRA 149B)							2 cm Muck (A10) (LRR K, L, MLRA 149B)
	istic (A3)		Loamy Mucl					Coast Prairie Redox (A16) (LRR K, L, R)
	en Sulfide (A4)		Loamy Gley	-,	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
	d Layers (A5)		Depleted Ma		Dark Surface (S7) (LRR K, L)			
	d Below Dark Surfa	ace (A1		Polyvalue Below Surface (S8) (LRR K, L)				
Thick Da	ark Surface (A12)		Depleted Da		Thin Dark Surface (S9) (LRR K, L)			
Sandy N	Mucky Mineral (S1)		Redox Depr	Iron-Manganese Masses (F12) (LRR K, L, R)				
Sandy C	Gleyed Matrix (S4)				Piedmont Floodplain Soils (F19) (MLRA 149B)			
-	Redox (S5)							Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
-	d Matrix (S6)							Red Parent Material (F21)
	ırface (S7) <b>(LRR R, N</b>	/II RA 1	49B)					Very Shallow Dark Surface (TF12)
			.52,					Other (Explain in Remarks)
-	of hydrophytic veg		and wetland hyd	irolo	gy must l	oe preser	nt, unless disturb	ed or problematic.
Restrictive	Layer (if observed):							
	Type:		None			Hydric S	Soil Present?	Yes No
	Depth (inches):							
Remarks:								
A positive i	ndication of hydric	soil wa	as observed.					
	•							

Hydrology Photos



Vegetation Photos

