Project/Site: Nottingham S	Solar Site	City/0	County: Harrison Coun	_ Sampling Date: 1/12/2021		
Applicant/Owner: Nottingha		•		State: OH	Sampling Point: Wetland NS	
Investigator(s): P. Renner;		Secti				
Landform (hillslope, terrace, e					Slope (%): 2	
Subregion (LRR or MLRA): <u>L</u>					Datum: NAD83	
Soil Map Unit Name: Morris				NWI classific		
Are climatic / hydrologic cond				(I f no, explain in F		
Are Vegetation, Soil _			-	al Circumstances" ¡		
Are Vegetation, Soil _				explain any answe		
7 110 7 0gotation, 0011 _	, or riyarology	natarany problem	ano. (ii noodod,	oxplain any anome	To III remarks.)	
SUMMARY OF FINDIN	NGS – Attach site r	nap showing san	npling point location	ons, transects	, important features, etc.	
Hydrophytic Vegetation Pre	esent? Yes <u> </u>	No	Is the Sampled Area			
Hydric Soil Present?	Yes	No	within a Wetland?	Yes	No	
Wetland Hydrology Present	t? Yes	No				
Remarks:						
HYDROLOGY						
Wetland Hydrology Indica	itors:			Secondary Indica	ators (minimum of two required)	
Primary Indicators (minimur	m of one is required; ched	ck all that apply)		Surface Soil	Cracks (B6)	
Surface Water (A1)	_	True Aquatic Plants	(B14)		getated Concave Surface (B8)	
High Water Table (A2)	_	Hydrogen Sulfide Oc	lor (C1)	Drainage Pa	tterns (B10)	
Saturation (A3)	_	Oxidized Rhizospher	res on Living Roots (C3)	Moss Trim L	ines (B16)	
Water Marks (B1)	_	Presence of Reduce	d Iron (C4)	Dry-Season	Water Table (C2)	
Sediment Deposits (B2			on in Tilled Soils (C6)	Crayfish Bur		
Drift Deposits (B3)	_	Thin Muck Surface (isible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)	_	Other (Explain in Re	marks)		tressed Plants (D1)	
Iron Deposits (B5)	(57)			Geomorphic		
Inundation Visible on A				Shallow Aqu		
Water-Stained Leaves	(89)			FAC-Neutral	aphic Relief (D4)	
Aquatic Fauna (B13)				FAC-Neutral	Test (D3)	
Field Observations:	Yes 🗸 No	_ Depth (inches):	2			
Surface Water Present?		_ Depth (inches): _ Depth (inches):				
Water Table Present?					40 Y 1	
Saturation Present? (includes capillary fringe)	Yes No _	_ Depth (inches):	Wetland	Hydrology Presei	nt? Yes No No	
Describe Recorded Data (st	tream gauge, monitoring	well, aerial photos, pre	evious inspections), if av	ailable:		
Remarks:						

Sampling	Point:	Wetland	l NS-5

	r=30'	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u>	Species?	<u>Status</u>	Number of Dominant Species
1					That Are OBL, FACW, or FAC:3 (A)
2					Total Number of Dominant
3					Species Across All Strata: 3 (B)
4					
5					Percent of Dominant Species That Are OBL FACW or FAC: 100% (A/B)
					That Are OBL, FACW, or FAC:100% (A/B)
6			= Total Cov		Prevalence Index worksheet:
					Total % Cover of: Multiply by:
	50% of total cover:	20% of	total cover:		OBL species x 1 =
Sapling Stratum (Plot size:	r=15')				FACW species x 2 =
1					
2					FAC species x 3 =
3					FACU species x 4 =
4					UPL species x 5 =
					Column Totals: (A) (B)
5					Decorate and the DA
b					Prevalence Index = B/A =
		:	= Total Cov	er	Hydrophytic Vegetation Indicators:
	50% of total cover:	20% of	total cover:		1 - Rapid Test for Hydrophytic Vegetation
Shrub Stratum (Plot size:	r=15')				✓ 2 - Dominance Test is >50%
1					3 - Prevalence Index is ≤3.0 ¹
2					4 - Morphological Adaptations ¹ (Provide supporting
3					data in Remarks or on a separate sheet)
					Problematic Hydrophytic Vegetation ¹ (Explain)
4					
5					¹ Indicators of hydric soil and wetland hydrology must
6					be present, unless disturbed or problematic.
		:	= Total Cov	er	Definitions of Five Vegetation Strata:
	50% of total cover:	20% of	total cover:		
Herb Stratum (Plot size:	-1	_			Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
				E 4 6) 4 /	
1 Juncus ettusus		20	Yes	FACW	(7.6 cm) or larger in diameter at breast height (DBH).
1. Juncus effusus 2. Phalaris arundinacea		20 20	Yes Yes	FACW FACW	(7.6 cm) or larger in diameter at breast height (DBH).
2. Phalaris arundinacea		20	Yes	FACW	Sapling – Woody plants, excluding woody vines,
2. Phalaris arundinacea3. Scirpus cyperinus		20 5	Yes No	FACW OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
2. Phalaris arundinacea		20	Yes	FACW	Sapling – Woody plants, excluding woody vines,
2. Phalaris arundinacea3. Scirpus cyperinus		20 5	Yes No	FACW OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines,
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5.		20 5 15	Yes No Yes	FACW OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5.		20 5 15	Yes No Yes	FACW OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6.		20 5 15	Yes No Yes	FACW OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8.		20 5 15	Yes No Yes	FACW OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9.		20 5 15	Yes No Yes	FACW OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9.		20 5 15	Yes No Yes	FACW OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9.		20 5 15	Yes No Yes	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9.		20 5 15	Yes No Yes Total Cov	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9. 10. 11.	50% of total cover:30	20 5 15	Yes No Yes Total Cov	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9.	50% of total cover:30	20 5 15	Yes No Yes Total Cov	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9. 10. 11.	50% of total cover:30 e:r=30')	20 5 15 60 20% of	Yes No Yes Total Coverticated covers	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size 1	50% of total cover:30 e: r=30')	20 5 15 60 20% of	Yes No Yes Total Coverse	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size 1. 2.	50% of total cover:30 e: r=30')	20 5 15 60 20% of	Yes No Yes Total Cover:	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5	50% of total cover:30 e: r=30')	20 5 15 60 20% of	Yes No Yes Total Cover:	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5	50% of total cover:30 e: r=30')	20 5 15 60 20% of	Yes No Yes Total Cover:	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5	50% of total cover:30 e: r=30')	20 5 15 60 20% of	Yes No Yes Total Cover:	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5	50% of total cover: 30 e:r=30')	20 5 15 60 20% of	Yes No Yes Total Cover:	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5	50% of total cover:30 e: r=30')	20 5 15 60 20% of	Yes No Yes Total Cover:	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
2. Phalaris arundinacea 3. Scirpus cyperinus 4. Juncus tenuis 5	50% of total cover:30 e:r=30') 50% of total cover:	20 5 15 60 20% of	Yes No Yes Total Cover:	FACW OBL FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.

(inches)	Matrix Color (moist)	<u></u> %	Redox Color (moist)	x Features %	Type ¹	Loc ²	Texture		Remarks
0-16	10YR 5/2	 95	10YR 6/6	5	C C		<u>rexture</u> silty clay loam	·	Remarks
0-10	1011 3/2		1011 0/0				Silty Clay Idali	I	
						-		-	
								-	
	oncentration, D=Depl	etion, RM=R	educed Matrix, MS	S=Masked S	Sand Gra	ins.		_=Pore Lining,	
-	Indicators:								lematic Hydric Soils ³ :
_ Histosol			Dark Surface		(00) (55) (MLRA 147)
	pipedon (A2)		Polyvalue Bel				, 148) C	oast Prairie Re	
_ Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Sul			47, 148)	D	(MLRA 147, '	plain Soils (F19)
	Layers (A5)		Depleted Mat		۷)			(MLRA 136,	
	ick (A10) (LRR N)		Redox Dark S)		V	•	ark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar		•			ther (Explain i	, ,
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8)					
	lucky Mineral (S1) (L	RR N,	Iron-Mangane		(F12) (L	.RR N,			
	\ 147, 148)		MLRA 136	-					
	Sleyed Matrix (S4)		Umbric Surfa					-	ophytic vegetation and
	ledox (S5)		Piedmont Flo						y must be present,
	Matrix (S6) _ayer (if observed):		Red Parent M	faterial (F2	1) (MLRA	127, 14	/) uni	ess disturbed	or problematic.
	-ayer (ii observed):								
Type:			_					D (0.3)	
Depth (ind	ches):		_				Hydric Soil	Present? Y	es <u> </u>
emarks:									

Project/Site: Nottingham S	olar Site		Citv/C	County: Harrison Cour	nty	Sampling Date: 1/12/2021
pplicant/Owner: Nottingham Solar LLC				,	State: OH	Sampling Date: 1/12/2021 Sampling Point: Wetland NS-6
Investigator(s): P. Renner; N						
Landform (hillslope, terrace, e						
Subregion (LRR or MLRA): L						Datum: NAD83
Soil Map Unit Name: Morrist						
Are climatic / hydrologic condi				_	(If no, explain in F	·
Are Vegetation, Soil _						present? Yes No
Are Vegetation, Soil _					explain any answe	·
Are vegetation, out	, 0111)	yarology	naturally problem	alio: (Il fiecueu,	explain any answ	ora in Nemarka.
SUMMARY OF FINDIN	GS – Att	ach site m	nap showing san	npling point locati	ons, transects	s, important features, etc.
Hydrophytic Vegetation Pres	ent?	Yes _	No	Is the Sampled Area	_	
Hydric Soil Present?		Yes	No	within a Wetland?	Yes _	No
Wetland Hydrology Present?	,	Yes	No			
Remarks:						
PEM wetland in reclaimed	l mineland					
HYDROLOGY						
Wetland Hydrology Indicat	ors:				Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum	of one is re	equired; chec	k all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)			True Aquatic Plants (B14)		getated Concave Surface (B8)
High Water Table (A2)			Hydrogen Sulfide Od	or (C1)	✓ Drainage Pa	atterns (B10)
Saturation (A3)			Oxidized Rhizospher	es on Living Roots (C3)	Moss Trim L	ines (B16)
Water Marks (B1)			Presence of Reduced	d Iron (C4)	Dry-Season	Water Table (C2)
Sediment Deposits (B2)			Recent Iron Reduction	n in Tilled Soils (C6)	Crayfish Bu	rrows (C8)
Drift Deposits (B3)			Thin Muck Surface (0	C7)	Saturation V	/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		_	Other (Explain in Rer	marks)		Stressed Plants (D1)
Iron Deposits (B5)					Geomorphic	• /
Inundation Visible on Ae		/ (B7)			Shallow Aqu	
Water-Stained Leaves (B9)					aphic Relief (D4)
Aquatic Fauna (B13)					FAC-Neutra	I Test (D5)
Field Observations:		,				
Surface Water Present?	Yes <u> </u>	No	Depth (inches):	<u>4</u>		
Water Table Present?	Yes		Depth (inches):			
Saturation Present?	Yes	No	Depth (inches):	Wetland	Hydrology Prese	nt? Yes No
(includes capillary fringe) Describe Recorded Data (str	eam dalide	monitoring v	vell aerial photos pre	vious inspections) if av	ailable	
	Jan. Jan.	,	ron, aonar priotos, pro	, , , , , , , , , , , , , , , , , , ,		
Remarks:						
remarks.						

Sampling F	Point:_	Wetland	NS-6

	r=30'	Absolute	Dominant Indic	
Tree Stratum (Plot size:1)	% Cover	Species? Sta	Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Dominant Species Across All Strata: 1 (B)
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5		· ——		That Are OBL, FACW, or FAC: 100% (A/B)
6				Prevalence Index worksheet:
			= Total Cover	Total % Cover of: Multiply by:
	50% of total cover:	20% of	total cover:	OBL species x 1 =
Sapling Stratum (Plot size:	r=15')			FACW species x 2 =
1				FAC species x 3 =
2				FACU species x 4 =
3		<u> </u>		
5				Column Totals: (A) (B)
				Prevalence Index = B/A =
			= Total Cover	Hydrophytic Vegetation Indicators:
	50% of total cover:			4. Denid Test for Under the Manatetien
Shrub Stratum (Plot size:		20 /0 01	total cover	2 - Dominance Test is >50%
,	/			3 - Prevalence Index is ≤3.0 ¹
1				4 - Morphological Adaptations ¹ (Provide supporting
2				data in Remarks or on a separate sheet)
3				Problematic Hydrophytic Vegetation ¹ (Explain)
4				
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
			= Total Cover	Definitions of Five Vegetation Strata:
	50% of total cover:	20% of	total cover:	Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:	<u>r=5'</u>)			approximately 20 ft (6 m) or more in height and 3 in.
1. Typha angustifolia		60	Yes O	(7.6 cm) or larger in diameter at breast height (DBH).
2				Sapling – Woody plants, excluding woody vines,
3				approximately 20 ft (6 m) or more in height and less
4				than 3 in. (7.6 cm) DBH.
5				Shrub – Woody plants, excluding woody vines,
6				approximately 3 to 20 ft (1 to 6 m) in height.
7				Herb – All herbaceous (non-woody) plants, including
8				herbaceous vines, regardless of size, and woody
9				plants, except woody vines, less than approximately 3ft (1 m) in height.
10				
11		· <u></u>		Woody vine – All woody vines, regardless of height.
		60	= Total Cover	
	50% of total cover: 30	20% of	total cover: 1	
Woody Vine Stratum (Plot siz		20 70 01	<u> </u>	
2				
3				
4				—
5				Hydrophytic
			= Total Cover	Vegetation Present? Yes No
	50% of total cover:	20% of	total cover:	— 165 <u>V</u> 140
Remarks: (Include photo num	bers here or on a separate	sheet.)		·

inchee)	Matrix Color (moist)	%	Redo Color (moist)	x Features	Type ¹	Loc ²	Texture	Remai	rko.
inches) 0-16	10YR 4/1	/0	10YR 6/6		С		silty clay loam		N5
	1011(4/1						Silty Clay Ioaili		
							· -		
 -				-					
				-					
							<u> </u>		
							·		
						-			
	ncentration, D=Dep	etion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.		.=Pore Lining, M=Ma	
dric Soil Ir	ndicators:							tors for Problemation	=
_ Histosol (Dark Surface					cm Muck (A10) (MLF	
	ipedon (A2)		Polyvalue Be				', 148) Co	oast Prairie Redox (A	.16)
Black His			Thin Dark Su			47, 148)	-	(MLRA 147, 148)	(= 10)
	Sulfide (A4)		Loamy Gleye		2)		Pi	edmont Floodplain S	oils (F19)
	Layers (A5)		✓ Depleted Ma	, ,	21		1/4	(MLRA 136, 147)	food (TE12)
	ck (A10) (LRR N) Below Dark Surface	(Δ11)	Redox Dark Depleted Da					ery Shallow Dark Sur ther (Explain in Rema	
	rk Surface (A12)	(((1)	Redox Depre				0	iner (Explain in Reme	arks)
	ucky Mineral (S1) (L	RR N.	Iron-Mangar		-	RR N.			
	147, 148)	,	MLRA 13		- (/ (-	,			
	eyed Matrix (S4)		Umbric Surfa		/ILRA 13	6, 122)	³ Indi	cators of hydrophytic	vegetation and
_ Sandy Re			Piedmont Flo	oodplain So	ils (F19)	(MLRA 1	48) wet	land hydrology must	be present,
_ Stripped !	Matrix (S6)		Red Parent I	Material (F2	(1) (MLR	4 127, 14	7) unl	ess disturbed or prob	lematic.
estrictive L	ayer (if observed):								
Туре:									
Donth (inc)	hes):						Hydric Soil	Present? Yes <u> </u>	No
nehru (iuci									
emarks:									

Project/Site: Nottingham S	olar Site		Citv/C	County: Harrison Coun	ity	Sampling Date: 1/12/2021
	Applicant/Owner: Nottingham Solar LLC			,	State: OH	Sampling Date: 1/12/2021 Sampling Point: Wetland NS-7
Investigator(s): P. Renner; N						
Landform (hillslope, terrace, e						
Subregion (LRR or MLRA): L						Datum: NAD83
Soil Map Unit Name: Morrist						
Are climatic / hydrologic condi				_		
Are Vegetation, Soil _				-		present? Yes No
Are Vegetation, Soil _					explain any answe	
Are vegetation, out	, 011190	inology	naturally problem	atio: (ii fieeded,	explain any answe	no in Remarks.)
SUMMARY OF FINDIN	GS – Atta	ch site m	ap showing san	npling point location	ons, transects	s, important features, etc.
Hydrophytic Vegetation Pres	ent?	Yes _	_ No	Is the Sampled Area		
Hydric Soil Present?		Yes		within a Wetland?	Yes	No
Wetland Hydrology Present?	,	Yes	_ No			
Remarks:						
PSS wetland in reclaimed	mineland.					
HYDROLOGY						
Wetland Hydrology Indicat	ors:				Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum	of one is rec	uired; checl	k all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)			True Aquatic Plants ((B14)		getated Concave Surface (B8)
High Water Table (A2)		_	Hydrogen Sulfide Od	or (C1)	✓ Drainage Pa	tterns (B10)
Saturation (A3)		_	Oxidized Rhizospher	es on Living Roots (C3)	Moss Trim L	ines (B16)
Water Marks (B1)		_	Presence of Reduce	d Iron (C4)	Dry-Season	Water Table (C2)
Sediment Deposits (B2)		_	Recent Iron Reduction	on in Tilled Soils (C6)	Crayfish Bur	rows (C8)
Drift Deposits (B3)			Thin Muck Surface (0	C7)	Saturation V	isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)			Other (Explain in Ren	marks)		tressed Plants (D1)
Iron Deposits (B5)					Geomorphic	Position (D2)
Inundation Visible on Ae		(B7)			Shallow Aqu	itard (D3)
Water-Stained Leaves (B9)					aphic Relief (D4)
Aquatic Fauna (B13)					▼ FAC-Neutral	Test (D5)
Field Observations:						
Surface Water Present?	Yes <u> </u>		Depth (inches):			
Water Table Present?	Yes	_ No	Depth (inches):			
Saturation Present?	Yes	_ No _ _	Depth (inches):	Wetland	Hydrology Preser	nt? Yes No
(includes capillary fringe) Describe Recorded Data (str	eam gauge.	monitorina v	vell, aerial photos, pre	evious inspections), if ava	ailable:	
	cam gaage,		ron, aonai priotos, pro	, , , , , , , , , , , , , , , , , , ,		
Remarks:						
Remarks.						

Sampling Point	Wetland	NS-7
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	r=30'	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1		·			That Are OBL, FACW, or FAC: (A)
2					Total Number of Dominant
3					Species Across All Strata: 2 (B)
4					
5					Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/E
6					That Are OBE, I ACW, OIT AC (A/E
<u> </u>			= Total Cov		Prevalence Index worksheet:
	=00 / 5 / 1	· ·			Total % Cover of: Multiply by:
	50% of total cover:	20% of	total cover:		OBL species x 1 =
Sapling Stratum (Plot size:	r=15')				FACW species x 2 =
1		· ———	· 		FAC species x 3 =
2					FACU species x 4 =
3					UPL species x 5 =
4					
5					Column Totals: (A) (B)
					Prevalence Index = B/A =
			= Total Cov		Hydrophytic Vegetation Indicators:
	F00/ -f+-t-!				1 - Rapid Test for Hydrophytic Vegetation
	50% of total cover:	20% of	total cover:		2 - Dominance Test is >50%
Shrub Stratum (Plot size:	<u>r=15</u> ,		.,		
·				FACW	3 - Prevalence Index is ≤3.0¹
2					4 - Morphological Adaptations ¹ (Provide supportir data in Remarks or on a separate sheet)
3					· · · · · · · · · · · · · · · · · · ·
4					Problematic Hydrophytic Vegetation ¹ (Explain)
5					1
6.					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
					•
			= 101al Cov	er	
	500/ 51 / 1	·	= Total Cov		Definitions of Five Vegetation Strata:
	50% of total cover:	·			Definitions of Five Vegetation Strata: Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:	-1	20% of	total cover:		Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
1 Phalaris arundinacea	<u>r=5'</u>)	20% of	total cover:	FACW	Tree – Woody plants, excluding woody vines,
	<u>r=5'</u>)	20% of	total cover:		Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines,
1 Phalaris arundinacea 2 Symphyotrichum novae-	<u>r=5'</u>)	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1 Phalaris arundinacea 2 Symphyotrichum novae-	r=5') angliae	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines,
1 Phalaris arundinacea 2 Symphyotrichum novae-	r=5') angliae	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
1. Phalaris arundinacea 2. Symphyotrichum novae- 3. 4. 5.	r=5') angliae	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3. 4. 5. 6.	r=5') angliae	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3. 4. 5. 6. 7.	r=5') angliae	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines,
1. Phalaris arundinacea 2. Symphyotrichum novae- 3	r=5') angliae	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3
1. Phalaris arundinacea 2. Symphyotrichum novae- 3. 4. 5. 6. 7. 8. 9.	r=5') angliae	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
1. Phalaris arundinacea 2. Symphyotrichum novae- 3.	r=5') angliae	20% of 35 5	Yes No	FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3
1. Phalaris arundinacea 2. Symphyotrichum novae- 3. 4. 5. 6. 7. 8. 9.	r=5') angliae	20% of	Yes No	FACW FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3.	r=5') angliae	20% of	Yes No	FACW FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3.	r=5') angliae	20% of 35 5	Yes No	FACW FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3.	r=5') angliae 50% of total cover:20	20% of 35 5	Yes No	FACW FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3.	r=5') angliae 50% of total cover:20 e:r=30')	20% of 35 5 5	Yes No Total Cover:	FACW FACW er 8	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3.	r=5') angliae 50% of total cover:20 e:r=30')	20% of 35 5 5	Yes No Total Cover:	FACW FACW er 8	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3.	r=5') angliae 50% of total cover:20 e: r=30')	20% of 35 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Yes No Total Cover:	FACW FACW er 8	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3	r=5') angliae 50% of total cover:20 e:r=30')	20% of 35 5	Yes No Total Cover:	FACW FACW er 8	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3.	r=5') angliae 50% of total cover:20 e:r=30')	20% of 35 5	Yes No Total Cover:	FACW FACW er 8	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3	r=5') angliae 50% of total cover:20 e:r=30')	20% of 35 5 40 20% of	Yes No Total Cover:	FACW FACW er 8	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3	r=5') angliae 50% of total cover:20 e:r=30')	20% of 35 5 40 20% of	Yes No Total Cover:	FACW FACW er 8	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3	r=5') angliae 50% of total cover:20 e:r=30')	20% of 35 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Yes No Total Cover:	FACW FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
1. Phalaris arundinacea 2. Symphyotrichum novae- 3	r=5' angliae 50% of total cover:20 e:30')	20% of 35 5 40 20% of	Yes No Total Cover:	FACW FACW	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.

Depth	Matrix			x Features	Tum a 1	1.22	Tavetuma	Domonico
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u> .	Type ¹	Loc ²	<u>Texture</u> silty clay loan	Remarks
0-16	10YR 5/2	90	10YR 5/6	10	C	M	si <u>ity ciay ioan</u>	n
						-		-
							·	
ype: C=C	oncentration, D=Depl	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ains.	² Location: P	L=Pore Lining, M=Matrix.
ydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
_ Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
_ Histic Ep	oipedon (A2)		Polyvalue Be	low Surfac	e (S8) (N	ILRA 147	', 148) C	Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			47, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		2)		P	Piedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Mat	, ,				(MLRA 136, 147)
	ick (A10) (LRR N)	(0.4.4)	Redox Dark S					/ery Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar					Other (Explain in Remarks)
	ark Surface (A12) 1ucky Mineral (S1) (L	DD N	Redox Depre			DD N		
	147, 148)	.KK N,	MLRA 13		S (F IZ) (I	LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa		/II RA 13	6 122)	3Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N					less disturbed or problematic.
	Layer (if observed):				, ,		1	·
Туре:								_
Depth (in	ches):						Hydric Soil	Present? Yes No
emarks:							11,701.10 001.	
.cmarks.								

Project/Site: Nottingham S	olar Site		City/County: Harrison County State: OH			Sampling Date: 1/13/2021
Applicant/Owner: Nottingham		3			State: OH	Sampling Point: Wetland NS
Investigator(s): P. Renner; N						
Landform (hillslope, terrace, e						
Subregion (LRR or MLRA): L						Datum: NAD83
Soil Map Unit Name: Morrist					NWI classif	
Are climatic / hydrologic condi				_	(If no, explain in	
Are Vegetation, Soil _				-		present? Yes No
Are Vegetation, Soil _					ded, explain any answ	· — — — — — — — — — — — — — — — — — — —
Are vegetation, out	, 01 119	diology	naturally problem	iauc: (ii fiecc	ueu, explain any answ	ers in Remarks.)
SUMMARY OF FINDIN	GS – Atta	ach site m	ap showing sar	mpling point lo	cations, transect	s, important features, etc.
Hydrophytic Vegetation Pres	ent?	Yes _	_ No	Is the Sampled A	Area .	
Hydric Soil Present?		Yes	No	within a Wetland	? Yes	No
Wetland Hydrology Present?	,	Yes_	_ No			
Remarks:						
PEM wetland in reclaimed	l mineland					
HYDROLOGY						
Wetland Hydrology Indicat	ors:				Secondary Indic	cators (minimum of two required)
Primary Indicators (minimum	of one is re	quired; checl	k all that apply)		Surface So	il Cracks (B6)
Surface Water (A1)			True Aquatic Plants	(B14)	Sparsely Ve	egetated Concave Surface (B8)
High Water Table (A2)		_	Hydrogen Sulfide Od		Drainage P	
Saturation (A3)			Oxidized Rhizosphe			
Water Marks (B1)		_	Presence of Reduce			n Water Table (C2)
Sediment Deposits (B2)			Recent Iron Reduction			
Drift Deposits (B3)		_	Thin Muck Surface (•	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		_	Other (Explain in Re			Stressed Plants (D1)
Iron Deposits (B5)		_	(,	Geomorphi	
Inundation Visible on Ae	erial Imagery	(B7)			Shallow Aq	` '
Water-Stained Leaves ((/				raphic Relief (D4)
Aquatic Fauna (B13)	,				FAC-Neutra	
Field Observations:				<u> </u>		
Surface Water Present?	Vas V	No	Depth (inches):	4		
Water Table Present?	Voc	No No				
	1 es					ent? Yes No
Saturation Present? (includes capillary fringe)	Yes	No	Depth (inches):	vvetia	and Hydrology Prese	int? Yes W No
Describe Recorded Data (str	eam gauge	, monitoring v	vell, aerial photos, pr	evious inspections),	if available:	
Remarks:						
rtemano.						
1						

	r=30'	Absolute	Dominant I		Dominance Test worksheet:		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	2	
1					That Are OBL, FACW, or FAC:	2	(A)
2					Total Number of Dominant	2	
3					Species Across All Strata:	2	(B)
4					Percent of Dominant Species		
5					That Are OBL, FACW, or FAC:	100%	(A/B)
6					Prevalence Index worksheet:		
			= Total Cove	r	Total % Cover of:	Multiply by:	
	50% of total cover:	20% of	total cover:_		OBL species x		
Sapling Stratum (Plot size:	r=15')				FACW species x		
1					FAC species x		
2					FACU species x		
3					UPL species x		
4					Column Totals: (A		
5					Column Totals (A		_ (D)
6					Prevalence Index = B/A =		
			= Total Cove		Hydrophytic Vegetation Indica	ators:	
	50% of total cover:	20% of	total cover:		1 - Rapid Test for Hydrophy	tic Vegetation	
Shrub Stratum (Plot size:		20,00.			2 - Dominance Test is >50%	6	
1					3 - Prevalence Index is ≤3.0) ¹	
2					4 - Morphological Adaptatio		porting
					data in Remarks or on a	separate sheet)	
3					Problematic Hydrophytic Ve	egetation ¹ (Expla	in)
4							
5					¹ Indicators of hydric soil and we	tland hydrology r	must
6			= Total Cove		be present, unless disturbed or	•	
			= Loral Cove	ľ	1 D.C. W CE M	Ctroto	
					Definitions of Five Vegetation	Strata.	
	50% of total cover:				Tree – Woody plants, excluding		
Herb Stratum (Plot size:		20% of	total cover:_		Tree – Woody plants, excluding approximately 20 ft (6 m) or more	woody vines, re in height and 3	
1. Juncus effusus	50% of total cover:	20% of	total cover:_ Yes	FACW	Tree – Woody plants, excluding	woody vines, re in height and 3	
_{1.} Juncus effusus _{2.} Phalaris arundinacea	50% of total cover:	20% of 20 45	total cover:_ Yes Yes	FACW FACW	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding	woody vines, re in height and 3 breast height (D ling woody vines	BH).
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus	50% of total cover:	20% of	total cover:_ Yes Yes No	FACW FACW OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, exclud approximately 20 ft (6 m) or mor	woody vines, re in height and 3 breast height (D ling woody vines	BH).
_{1.} Juncus effusus _{2.} Phalaris arundinacea	50% of total cover:	20% of 20 45	total cover:_ Yes Yes	FACW FACW	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding	woody vines, re in height and 3 breast height (D ling woody vines	BH).
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus	50% of total cover:	20% of 20 45 5	total cover:_ Yes Yes No	FACW FACW OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, exclude approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding	woody vines, re in height and 3 breast height (D ling woody vines re in height and I	BH).
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5.	50% of total cover:	20% of 20 45 5 10	Yes Yes No No	FACW FACW OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, exclud approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I	BH).
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5.	50% of total cover:	20% of 20 45 5 10	Yes Yes No No	FACW FACW OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, exclude approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height.	BH). , ess
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5. 6. 7	50% of total cover:	20% of 20 45 5 10	Yes Yes No No	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at Sapling – Woody plants, exclude approximately 20 ft (6 m) or more than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) to 6 m.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. bdy) plants, inclu	ess
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5. 6. 7. 8.	50% of total cover:	20% of 20 45 5 10	Yes Yes No No	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, exclud approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-wood herbaceous vines, regardless of plants, except woody vines, less	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. bdy) plants, inclu	ess
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover:	20% of 20 45 5 10	Yes Yes No No	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5. 6. 7. 8.	50% of total cover: r=5')	20% of 20 45 5 10	Yes Yes No No	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, exclud approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-wood herbaceous vines, regardless of plants, except woody vines, less	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5. 6. 7. 8. 9. 10. 10.	50% of total cover: r=5')	20% of20	Yes Yes No No	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5. 6. 7. 8. 9. 10. 10.	50% of total cover:	20% of	Yes Yes No No Total Cove	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5. 6. 7. 8. 9. 10. 11.	50% of total cover:	20% of	Yes Yes No No Total Cove	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size	50% of total cover:	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Covertotal Cover:_	FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover:	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Cove total cover:_	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover: r=5'	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Cove Total Cove Total Cover:	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover:	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Cover:_	FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover:	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Cover:_	FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover:	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Cove Total Cove Total Cover:	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or mor than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-woodherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover:	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Cover:_	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or more than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-wood herbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height. Woody vine – All woody vines,	woody vines, re in height and 3 breast height (D ling woody vines re in height and I mg woody vines, n) in height. Dody) plants, inclusticate, and woody is than approximate regardless of he	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover:	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Cove total cover:	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or more than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 respectively) and the proximately 3 to 20 ft (1 to 6 respectively) and the plants, except woody vines, less ft (1 m) in height. Woody vine – All woody vines, Hydrophytic	woody vines, re in height and 3 breast height (D ling woody vines re in height and I ng woody vines, n) in height. Dody) plants, inclusing size, and woody sithan approximal	BH). , ess dding y ttely 3
1. Juncus effusus 2. Phalaris arundinacea 3. Scirpus cyperinus 4. Typha angustifolia 5	50% of total cover: r=5') 50% of total cover:40 r=30')	20% of 20 45 5 10 80 20% of	Yes Yes No No Total Cove total cover:	FACW FACW OBL OBL	Tree – Woody plants, excluding approximately 20 ft (6 m) or mor (7.6 cm) or larger in diameter at Sapling – Woody plants, excluding approximately 20 ft (6 m) or more than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m) Herb – All herbaceous (non-wood herbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height. Woody vine – All woody vines,	woody vines, re in height and 3 breast height (D ling woody vines re in height and I mg woody vines, n) in height. Dody) plants, inclusticate, and woody is than approximate regardless of he	BH). , ess dding y ttely 3

(inches)	Matrix Color (moist)	<u></u> %	Redox Color (moist)	x Features %	Type ¹	Loc ²	Texture		Remarks
0-16	10YR 5/2	 95	10YR 6/6	5	C C		<u>rexture</u> silty clay loam	·	Remarks
0-10	1011 3/2		1011 0/0				Silty Clay Idali	I	
						-		-	
								-	
	oncentration, D=Depl	etion, RM=R	educed Matrix, MS	S=Masked S	Sand Gra	ins.		_=Pore Lining,	
-	Indicators:								lematic Hydric Soils ³ :
_ Histosol			Dark Surface		(00) (55) (MLRA 147)
	pipedon (A2)		Polyvalue Bel				, 148) C	oast Prairie Re	
_ Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Sul			47, 148)	D	(MLRA 147, '	plain Soils (F19)
	Layers (A5)		Depleted Mat		۷)			(MLRA 136,	
	ick (A10) (LRR N)		Redox Dark S)		V	•	ark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar		•			ther (Explain i	, ,
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8)					
	lucky Mineral (S1) (L	RR N,	Iron-Mangane		(F12) (L	.RR N,			
	\ 147, 148)		MLRA 136	-					
	Sleyed Matrix (S4)		Umbric Surfa					-	ophytic vegetation and
	ledox (S5)		Piedmont Flo						y must be present,
	Matrix (S6) _ayer (if observed):		Red Parent M	faterial (F2	1) (MLRA	127, 14	/) uni	ess disturbed	or problematic.
	_ayer (ii observed):								
Type:			_					D (0.3)	
Depth (ind	ches):		_				Hydric Soil	Present? Y	es <u> </u>
emarks:									

Project/Site: Nottingham S	olar Site	City/C	_{ounty:} Harrison Coun	ty	Sampling Date: <u>1/13/2021</u>
Applicant/Owner: Nottingha					Sampling Point: Wetland NS-9
Investigator(s): P. Renner; N	Л. Thomayer	Section	n, Township, Range:		
Landform (hillslope, terrace, e	tc.): Terrace	Local reli	ef (concave, convex, no	ne): <u>Concave</u>	Slope (%): <u>3</u>
Subregion (LRR or MLRA): L	RR N Lat	: 40.193648	Long:81	.067677	Datum: <u>NAD83</u>
Soil Map Unit Name: Morrist		to 25 percent slope	es, reclaimed	NWI classific	
Are climatic / hydrologic condi Are Vegetation, Soil _ Are Vegetation, Soil _	, or Hydrology , or Hydrology	significantly disturb naturally problema nap showing sam	ned? Are "Norma tic? (If needed,	(If no, explain in Roll Circumstances" pexplain any answer	resent? Yes No
Hydrophytic Vegetation Pres		No	Is the Sampled Area		
Hydric Soil Present?	Yes	No	within a Wetland?	Yes	No
Wetland Hydrology Present? Remarks:	Yes <u>Y</u>	No			
PEM wetland in reclaimed	i mineland.				
HYDROLOGY					_
Wetland Hydrology Indicat	ors:			Secondary Indica	tors (minimum of two required)
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 Ae Water-Stained Leaves (Aquatic Fauna (B13)	erial Imagery (B7)	True Aquatic Plants (I Hydrogen Sulfide Odd	or (C1) es on Living Roots (C3) Iron (C4) n in Tilled Soils (C6) 7)	Surface Soil of Sparsely Veg Drainage Pat Moss Trim Li Dry-Season Veg Crayfish Burr Saturation View Stunted or St Geomorphic Shallow Aqui	Cracks (B6) getated Concave Surface (B8) tterns (B10) nes (B16) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tressed Plants (D1) Position (D2) tard (D3) sphic Relief (D4)
Field Observations:		D # # # 1			
Surface Water Present?	Yes No				
Water Table Present?		_ Depth (inches):			
Saturation Present? (includes capillary fringe)	Yes No _	Depth (inches):	Wetland I	Hydrology Presen	t? Yes No
Describe Recorded Data (street) Remarks:	ream gauge, monitoring	well, aerial photos, pre	vious inspections), if ava	ailable:	

	r=30'	Absolute	Dominant In		Dominance Test worksheet:		
Tree Stratum (Plot size:)		Species?		Number of Dominant Species	_	
1					That Are OBL, FACW, or FAC:	2	(A)
2					Total Number of Dominant		
3					Species Across All Strata:	2	(B)
4							, ,
5					Percent of Dominant Species That Are OBL, FACW, or FAC:	100%	(A/B)
6					That Ale OBL, FACW, of FAC.		(A/D)
0			= Total Cove		Prevalence Index worksheet:		
					Total % Cover of:	Multiply by:	
	50% of total cover:	20% of	total cover:_		OBL species x 1	=	
Sapling Stratum (Plot size:	r=15')				FACW species x 2		
1					FAC species x 3		
2							
3					FACU species x 4		
4					UPL species x 5		
					Column Totals: (A)		_ (B)
5					Dravalance Index = P/A =		
6					Prevalence Index = B/A =_		
			= Total Cove	r	Hydrophytic Vegetation Indicat		
	50% of total cover:	20% of	total cover:_		1 - Rapid Test for Hydrophyti	c Vegetation	
Shrub Stratum (Plot size:	r=15')				✓ 2 - Dominance Test is >50%		
1					3 - Prevalence Index is ≤3.0 ¹		
2					4 - Morphological Adaptation	s¹ (Provide sup	porting
3					data in Remarks or on a s	eparate sheet)	
					Problematic Hydrophytic Veg	etation¹ (Expla	in)
4							
5					¹ Indicators of hydric soil and wetla	and hydrology r	nust
6					be present, unless disturbed or pr	roblematic.	
		:	= Total Cove	r	Definitions of Five Vegetation S	Strata:	
	50% of total cover:	20% of	total cover:_				
Herb Stratum (Plot size:	r=5')				Tree – Woody plants, excluding v approximately 20 ft (6 m) or more		R in
1. Phragmites australis	,	45	Yes	FACW	(7.6 cm) or larger in diameter at b		
2. Typha angustifolia	_	 55	Yes	OBL			
2					Sapling – Woody plants, excludir approximately 20 ft (6 m) or more	ng woody vines	,
3					than 3 in. (7.6 cm) DBH.	in neight and i	C33
4							
5					Shrub – Woody plants, excluding		
6					approximately 3 to 20 ft (1 to 6 m)) iii neigiit.	
7					Herb – All herbaceous (non-wood		
8					herbaceous vines, regardless of s		
9					plants, except woody vines, less t ft (1 m) in height.	пап арргохіта	itely 3
10					in (i iii) iii iii iii		
11.					Woody vine – All woody vines, re	egardless of he	ight.
		100	= Total Cove	r			
	50% of total cover: <u>50</u>	20% of	total cover:_	20			
Woody Vine Stratum (Plot size	: <u>r=30'</u>)						
1							
2							
3							
_							
·			Total Cove		Hydrophytic		
					Vegetation Present? Yes	No	
	50% of total cover:	20% of	total cover:_		165		
Remarks: (Include photo numb	ers here or on a separate s	heet.)			•		

(inches)	Matrix Color (moist)	<u></u> %	Redox Color (moist)	x Features %	Type ¹	Loc ²	Texture		Remarks
0-16	10YR 5/2	 95	10YR 6/6	5	C C		<u>rexture</u> silty clay loam	·	Remarks
0-10	1011 3/2		1011 0/0				Silty Clay Idali	I	
						-		-	
								-	
	oncentration, D=Depl	etion, RM=R	educed Matrix, MS	S=Masked S	Sand Gra	ins.		_=Pore Lining,	
-	Indicators:								lematic Hydric Soils ³ :
_ Histosol			Dark Surface		(00) (55) (MLRA 147)
	pipedon (A2)		Polyvalue Bel				, 148) C	oast Prairie Re	
_ Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Sul			47, 148)	D	(MLRA 147, '	plain Soils (F19)
	Layers (A5)		Depleted Mat		۷)			(MLRA 136,	
	ick (A10) (LRR N)		Redox Dark S)		V	•	ark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar		•			ther (Explain i	, ,
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8)					
	lucky Mineral (S1) (L	RR N,	Iron-Mangane		(F12) (L	.RR N,			
	\ 147, 148)		MLRA 136	-					
	Sleyed Matrix (S4)		Umbric Surfa					-	ophytic vegetation and
	ledox (S5)		Piedmont Flo						y must be present,
	Matrix (S6) _ayer (if observed):		Red Parent M	faterial (F2	1) (MLRA	127, 14	/) uni	ess disturbed	or problematic.
	_ayer (ii observed):								
Type:			_					D (0.3)	
Depth (ind	ches):		_				Hydric Soil	Present? Y	es <u> </u>
emarks:									

Project/Site: Nottingham Se	olar Site		City/	County: Harrison Co	unty	Sampling Date: 1/	[/] 13/2021
Applicant/Owner: Nottinghar						Sampling Point:	
Investigator(s): P. Renner; N			Sect	tion, Township, Range:			
Landform (hillslope, terrace, e							(%): 5
Subregion (LRR or MLRA): LI				Long:			
Soil Map Unit Name: Morrist							
Are climatic / hydrologic condi						·	
Are Vegetation, Soil					(ii no, explain iii i mal Circumstances"		No
Are Vegetation, Soil _						·	NO
Are vegetation, Soil	, or my	yarology	naturally problem	iatio? (ii fieede	d, explain any answe	ers in Remarks.)	
SUMMARY OF FINDIN	GS – Att	ach site	map showing sa	mpling point loca	tions, transects	s, important fea	tures, etc.
Hydrophytic Vegetation Pres	ent?	Yes_	No	Is the Sampled Are	.a		
Hydric Soil Present?		Yes	No	within a Wetland?	Yes_	No	
Wetland Hydrology Present?	•	Yes	No				
Remarks:							
PEM portion of PEM/PFO	wetland in	reclaime	d mineland.				
HYDROLOGY							
Wetland Hydrology Indicat	ors:				Secondary Indic	ators (minimum of tw	vo required)
Primary Indicators (minimum	of one is re	equired; che	eck all that apply)		Surface Soil	Cracks (B6)	
Surface Water (A1)		_	_ True Aquatic Plants	(B14)		getated Concave Su	ırface (B8)
High Water Table (A2)		_	_ Hydrogen Sulfide O	dor (C1)	Drainage Pa	atterns (B10)	
Saturation (A3)		_	 Oxidized Rhizosphe 	eres on Living Roots (C	Moss Trim L	ines (B16)	
Water Marks (B1)		_	Presence of Reduce	ed Iron (C4)	Dry-Season	Water Table (C2)	
Sediment Deposits (B2)		_	Recent Iron Reducti	ion in Tilled Soils (C6)	Crayfish Bu	rrows (C8)	
Drift Deposits (B3)		_	_ Thin Muck Surface (/isible on Aerial I mag	
Algal Mat or Crust (B4)		_	_ Other (Explain in Re	emarks)		Stressed Plants (D1)	
Iron Deposits (B5)					Geomorphic	Position (D2)	
Inundation Visible on Ae		/ (B7)			Shallow Aqu		
Water-Stained Leaves (I	B9)					aphic Relief (D4)	
Aquatic Fauna (B13)					FAC-Neutra	l Test (D5)	
Field Observations:			•				
Surface Water Present?			Depth (inches):				
Water Table Present?		No <u>_</u>				_	
Saturation Present? (includes capillary fringe)	Yes	No <u>_</u>	Depth (inches):	Wetlan	d Hydrology Prese	nt? Yes	No
Describe Recorded Data (str	eam gauge	, monitorino	g well, aerial photos, pr	evious inspections), if	available:		
Remarks:							

Sampling Po	oint:_	Wetland	NS-10
. •			

	r=30'	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:1.)	% Cover	Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2					
3					Total Number of Dominant Species Across All Strata: 2 (B)
4					Percent of Dominant Species
5					That Are OBL, FACW, or FAC: 100% (A/B)
6					Prevalence Index worksheet:
			= Total Cov	er	Total % Cover of: Multiply by:
	50% of total cover:	20% of	total cover:		OBL species x 1 =
Sapling Stratum (Plot size:	<u>r=15'</u>)				FACW species x 2 =
1					FAC species x 3 =
2					FACU species x 4 =
3					UPL species x 5 =
5					Column Totals: (A) (B)
					Prevalence Index = B/A =
			= Total Cov	er	Hydrophytic Vegetation Indicators:
	50% of total cover:	20% of	total cover:		1 - Rapid Test for Hydrophytic Vegetation
Shrub Stratum (Plot size:					2 - Dominance Test is >50%
1					3 - Prevalence Index is ≤3.0 ¹
2					4 - Morphological Adaptations ¹ (Provide supporting
3					data in Remarks or on a separate sheet)
4					Problematic Hydrophytic Vegetation ¹ (Explain)
5					
					¹ Indicators of hydric soil and wetland hydrology must
0			= Total Cov		be present, unless disturbed or problematic.
					Definitions of Five Vegetation Strata:
	50% of total cover:	20% of	total cover:		Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:	<u>r=5'</u>)				approximately 20 ft (6 m) or more in height and 3 in.
1 Phalaris arundinacea		50	Yes Yes	FACW	(7.6 cm) or larger in diameter at breast height (DBH).
2. Typha angustifolia		35	Yes	OBL_	Sapling – Woody plants, excluding woody vines,
3. Scirpus cyperinus		15	No_	FACW	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
4. <u> </u>					Shouth Woody plants evaluding woody vines
					Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
7					Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
8					plants, except woody vines, less than approximately 3
9					ft (1 m) in height.
10		·			Woody vine – All woody vines, regardless of height.
11		100			
		100	= Total Cov	er	
	50% of total cover:50	20% of	total cover:	20	
Woody Vine Stratum (Plot siz	e: <u>r=30'</u>)				
1					
2					
3					
4					
_					
v			= Total Cov		Hydrophytic
					Vegetation Present? Yes No
	50% of total cover:		total cover:		
Remarks: (Include photo num	bers here or on a separate s	sheet.)			

Depth	Matrix			x Features	- 1		T (5 .
(inches) 0-16	Color (moist) 10YR 5/2	<u>%</u> 95	Color (moist) 10YR 5/4	<u> </u>	Type ¹	Loc ²	<u>Texture</u> silty clay loar	Remarks
0-10	1011 3/2		1011 5/4			— IVI	Silty Clay Ioai	"
								-
							· ———	
			_					
						-	· · · · · · · · · · · · · · · · · · ·	
						-	·	
	oncentration, D=Dep	letion, RM=F	Reduced Matrix, MS	S=Masked	Sand Gra	ains.		PL=Pore Lining, M=Matrix.
lydric Soil I	ndicators:						Indic	ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					2 cm Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Be				', 148) (Coast Prairie Redox (A16)
_ Black His			Thin Dark Su			47, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		-2)		F	Piedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Mat		2)		,	(MLRA 136, 147)
	ck (A10) (LRR N)	~ (011)	Redox Dark S	•	,			/ery Shallow Dark Surface (TF12)
	l Below Dark Surfac irk Surface (A12)	e (A11)	Depleted Dar Redox Depre				_ (Other (Explain in Remarks)
	lucky Mineral (S1) (I	PP N	Iron-Mangane			PP N		
	. 147, 148)	-IXIX IV,	MLRA 136		:5 (I IZ) (LIXIX IV,		
	leyed Matrix (S4)		Umbric Surfa		MLRA 13	6. 122)	³ lnc	dicators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent M					nless disturbed or problematic.
	ayer (if observed):			· · · · · · · · · · · · · · · · · · ·				·
Туре:								_
Depth (inc	ches):						Hydric Soil	I Present? Yes
Remarks:	, -							

Project/Site: Nottingham S	olar Site	City/Count	_{ty:} Harrison Coun	ty	_ Sampling Date: 1/	13/2021
Applicant/Owner: Nottingha			,	State: OH	Sampling Point:	
Investigator(s): P. Renner; I		Section, T				
Landform (hillslope, terrace, e					Slope	(%): 3
Subregion (LRR or MLRA): L					Datum:	
Soil Map Unit Name: Morris		•			cation: PFO1C	
Are climatic / hydrologic cond				(If no, explain in F		
Are Vegetation, Soil _			-	Circumstances		No
Are Vegetation, Soil _				explain any answe	· -	NO
Are vegetation, 30ii _	, or riyurology	naturally problematic:	(II Needed, (explain any answe	ers in Remarks.)	
SUMMARY OF FINDIN	IGS – Attach site n	nap showing sampli	ng point location	ons, transects	s, important fea	tures, etc.
Hydrophytic Vegetation Pres	sent? Yes <u> </u>	No ls 1	the Sampled Area	_	,	
Hydric Soil Present?	Yes		hin a Wetland?	Yes _	No	
Wetland Hydrology Present	? Yes	No				
Remarks:		<u>'</u>				
PEM wetland in reclaimed	d mineland.					
HYDROLOGY						
Wetland Hydrology Indica					ators (minimum of tw	o required)
Primary Indicators (minimun	n of one is required; chec				Cracks (B6)	
Surface Water (A1)	_	True Aquatic Plants (B14)			getated Concave Su	rface (B8)
High Water Table (A2)	_	Hydrogen Sulfide Odor (C			atterns (B10)	
Saturation (A3)	_	Oxidized Rhizospheres or		Moss Trim L		
Water Marks (B1)		Presence of Reduced Iron			Water Table (C2)	
Sediment Deposits (B2)		Recent Iron Reduction in	Tilled Soils (C6)	Crayfish Bui		
Drift Deposits (B3)	_	Thin Muck Surface (C7)			/isible on Aerial Imag	ery (C9)
Algal Mat or Crust (B4)		Other (Explain in Remark	s)		Stressed Plants (D1)	
Iron Deposits (B5)	(57)			Geomorphic	, ,	
Inundation Visible on A				Shallow Aqu		
Water-Stained Leaves ((B9)				aphic Relief (D4)	
Aquatic Fauna (B13)				▼ FAC-Neutra	1 Test (D5)	
Field Observations: Surface Water Present?	Ves No 🗸	_ Depth (inches):				
		Depth (inches):				
Water Table Present?	_	_ Depth (inches): _ Depth (inches):			nt? Yes _	
Saturation Present? (includes capillary fringe)	Yes No _	_ Depth (Inches):	_ wetland i	iyarology Prese	nt? Yes	NO
Describe Recorded Data (st	ream gauge, monitoring	well, aerial photos, previou	s inspections), if ava	ailable:		
Remarks:						
r temane.						

Sampling	Point:	Wetland	NS-11

	r=30'	Absolute Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size.		% Cover Species? Status	Number of Dominant Species
1			That Are OBL, FACW, or FAC:1 (A)
2			Total Number of Dominant
3			Species Across All Strata:1 (B)
4			Percent of Dominant Species
5			That Are OBL, FACW, or FAC:100% (A/B)
6			Prevalence Index worksheet:
		= Total Cover	Total % Cover of: Multiply by:
	50% of total cover:	20% of total cover:	OBL species x 1 =
Sapling Stratum (Plot size:	r=15')		FACW species x 2 =
1			FAC species x 3 =
2			FACU species x 4 =
			UPL species x 5 =
5			Column Totals: (A) (B)
6			Prevalence Index = B/A =
=		= Total Cover	Hydrophytic Vegetation Indicators:
	50% of total cover:	20% of total cover:	1 - Rapid Test for Hydrophytic Vegetation
Shrub Stratum (Plot size:		20 % Of total cover	2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0 ¹
1			4 - Morphological Adaptations ¹ (Provide supporting
2			data in Remarks or on a separate sheet)
3			Problematic Hydrophytic Vegetation ¹ (Explain)
4			
5			¹ Indicators of hydric soil and wetland hydrology must
6			be present, unless disturbed or problematic.
		= Total Cover	Definitions of Five Vegetation Strata:
		20% of total cover:	Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:	<u>r=5'</u>)		approximately 20 ft (6 m) or more in height and 3 in.
_{1.} Typha angustifolia		100YesOBL	(7.6 cm) or larger in diameter at breast height (DBH).
2			Sapling – Woody plants, excluding woody vines,
3			approximately 20 ft (6 m) or more in height and less
4			than 3 in. (7.6 cm) DBH.
5			Shrub – Woody plants, excluding woody vines,
6			approximately 3 to 20 ft (1 to 6 m) in height.
			Herb – All herbaceous (non-woody) plants, including
8			herbaceous vines, regardless of size, and woody
9.			plants, except woody vines, less than approximately 3 ft (1 m) in height.
10			it (1 m) m neight.
11.			Woody vine – All woody vines, regardless of height.
		100 = Total Cover	
	500/ -54-4-1 EO		
M		20% of total cover: 20	
Woody Vine Stratum (Plot size			
1			
2			
3			
4			
5			Hydrophytic
		= Total Cover	Vegetation
	50% of total cover:	20% of total cover:	Present? Yes No
Remarks: (Include photo num			1

Depth (inches)	Matrix	<u></u> %		x Features	Tun a ¹	Loc ²	Toytuna		Damarka
0-16	Color (moist) 10YR 5/2		Color (moist) 10YR 4/6		Type ¹		<u>Texture</u> silty clay loam		Remarks
0-10			1011(4/0				Silty Clay Ioali	'	
							· · ·		
						· ·			
							· .		
						-	· ——		
	ncentration, D=Depl	etion, RM=F	Reduced Matrix, MS	S=Masked S	Sand Gra	ins.			ng, M=Matrix
ydric Soil Iı									oblematic Hydric Soi
Histosol (Dark Surface		(55) (55				A10) (MLRA 147)
	ipedon (A2)		Polyvalue Be				′, 148) C		Redox (A16)
_ Black His			Thin Dark Su			47, 148)	D	(MLRA 14	·
	n Sulfide (A4) Layers (A5)		Loamy Gleye Depleted Ma		۷)		<u> </u>	MLRA 13	oodplain Soils (F19)
	ck (A10) (LRR N)		Redox Dark)		V	•	Dark Surface (TF12)
	Below Dark Surface	(A11)	Depleted Dar		•			-	in in Remarks)
	rk Surface (A12)	,	Redox Depre					\ 1	,
	ucky Mineral (S1) (L	RR N,	Iron-Mangan			.RR N,			
MLRA	147, 148)		MLRA 13	6)					
	leyed Matrix (S4)		Umbric Surfa						drophytic vegetation a
	edox (S5)		Piedmont Flo						logy must be present,
	Matrix (S6)		Red Parent N	/laterial (F2	1) (MLR	127, 14	(7) unl	ess disturbe	ed or problematic.
Restrictive L	.ayer (if observed):								
Туре:			<u> </u>						./
							Hydric Soil	Present?	Yes V No _
Depth (inc	:hes):						•		
Depth (inc	:hes):								
Depth (inc	hes):								
Depth (inc	hes):								
Depth (inc	hes):								
Depth (inc	hes):								
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Depth (inc	ches):								
Depth (inc	ches):								
Depth (inc	hes):								
Depth (inc	rhes):								
	hes):								
Depth (inc	hes):								
Depth (inc	ehes):								
Depth (inc	rhes):								
Depth (inc	hes):								
Depth (inc	hes):								

Project/Site: Nottingham S	olar Site	City/Count	v: Harrison Coun	ty	Sampling Date: 1/13	3/2021
Applicant/Owner: Nottingha				State: OH	Sampling Point: V	
Investigator(s): P. Renner; N		Section, To				
Landform (hillslope, terrace, e					Slope (%	 6): 2
Subregion (LRR or MLRA): L					Datum: N	
Soil Map Unit Name: Morrist		<u></u>		NWI classific		
Are climatic / hydrologic cond				(I f no, explain in F		
Are Vegetation, Soil _			-	Circumstances"		No
Are Vegetation, Soil _				explain any answe	·	110
Are vegetation, Soil _	, or riyurology	naturally problematic:	(II lieeded, e	explain any answe	ars in Nemarks.)	
SUMMARY OF FINDIN	IGS – Attach site n	nap showing samplir	ng point locatio	ons, transects	s, important featu	res, etc.
Hydrophytic Vegetation Pres	sent? Yes	_ No ls t	he Sampled Area	_		
Hydric Soil Present?	Yes_		hin a Wetland?	Yes_	No	
Wetland Hydrology Present?	? Yes	No				
Remarks:		L				
HYDROLOGY						
Wetland Hydrology Indica	tors:			Secondary Indica	ators (minimum of two	required)
Primary Indicators (minimum	n of one is required; chec	k all that apply)		Surface Soil	Cracks (B6)	
✓ Surface Water (A1)		True Aquatic Plants (B14)		Sparsely Ve	getated Concave Surfa	ıce (B8)
High Water Table (A2)		Hydrogen Sulfide Odor (C	1)	Drainage Pa	atterns (B10)	
Saturation (A3)	_	Oxidized Rhizospheres or	Living Roots (C3)	Moss Trim L	ines (B16)	
Water Marks (B1)	_	Presence of Reduced Iron	(C4)	Dry-Season	Water Table (C2)	
Sediment Deposits (B2)		Recent Iron Reduction in	Γilled Soils (C6)	Crayfish Bur	rows (C8)	
Drift Deposits (B3)	_	Thin Muck Surface (C7)			isible on Aerial Imager	y (C9)
Algal Mat or Crust (B4)	_	Other (Explain in Remarks	s)		Stressed Plants (D1)	
Iron Deposits (B5)				Geomorphic	, ,	
Inundation Visible on A				Shallow Aqu		
Water-Stained Leaves ((B9)				aphic Relief (D4)	
Aquatic Fauna (B13)				FAC-Neutra	Litest (D5)	
Field Observations:		5 4 4 1 2				
Surface Water Present?		Depth (inches):3				
Water Table Present?		Depth (inches):				
Saturation Present? (includes capillary fringe)	Yes No <u></u>	Depth (inches):	Wetland H	Hydrology Prese	nt? Yes No	·——
Describe Recorded Data (st	ream gauge, monitoring	well, aerial photos, previous	inspections), if ava	nilable:		
·						
Remarks:						
, tomanio						

,		Absolute	Dominant I	ndicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	<u>r=30'</u>)		Species?		Number of Dominant Species	
1					That Are OBL, FACW, or FAC:1 (A	.)
2					T	
3					Total Number of Dominant Species Across All Strata: 1 (B))
4					oposico / toroso / tir otrata.	,
5					Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A)	(D)
					That Are OBL, FACW, or FAC:100% (A	/B)
6					Prevalence Index worksheet:	
			= Total Cove		Total % Cover of: Multiply by:	
	50% of total cover:	20% of	total cover:_		OBL species x 1 =	
Sapling Stratum (Plot size:	<u>r=15'</u>)				FACW species x 2 =	
1					FAC species x 3 =	
2					FACU species x 4 =	
3						
4					UPL species x 5 =	D \
5					Column Totals: (A) (i	B)
6					Prevalence Index = B/A =	
		=	= Total Cove	r	Hydrophytic Vegetation Indicators:	
	50% of total cover:	20% of	total cover:		1 - Rapid Test for Hydrophytic Vegetation	
Shrub Stratum (Plot size:		20 /0 01	total cover		2 - Dominance Test is >50%	
					3 - Prevalence Index is ≤3.0 ¹	
1					4 - Morphological Adaptations ¹ (Provide support	tina
2					data in Remarks or on a separate sheet)	9
3					Problematic Hydrophytic Vegetation ¹ (Explain)	
4				-		
5					¹ Indicators of hydric soil and wetland hydrology must	t
6					be present, unless disturbed or problematic.	
		=	= Total Cove	r	Definitions of Five Vegetation Strata:	
	50% of total cover:	20% of	total cover:_		To a Monta de la	
Herb Stratum (Plot size:	r=5')				Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.	
1. Typha angustifolia	,	60	Yes	OBL	(7.6 cm) or larger in diameter at breast height (DBH)	
₂ Salix nigra		10	No	FACW	Carling Manhadant and dispersion	
3					Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less	
4					than 3 in. (7.6 cm) DBH.	
4					Charle Mandy plants avaluation was deviced	
5					Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.	
6						
7					Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody	3
8					plants, except woody vines, less than approximately	3
9					ft (1 m) in height.	
10					Woody vine – All woody vines, regardless of height.	
11					741 Woody Villes, regardless of Height.	•
		=	= Total Cove	r		
	50% of total cover: 35	20% of	total cover:	14		
Woody Vine Stratum (Plot size:			_			
1						
2						
3						
4						
5					Hydrophytic	
		=	= Total Cove	r	Vegetation Present? Yes No	
	50% of total cover:	20% of	total cover:_		Present? Yes V No No	
Remarks: (Include photo numb	ers here or on a separate s	heet.)			1	

(inches)	Matrix Color (moist)	<u></u> %	Redox Color (moist)	x Features %	Type ¹	Loc ²	Texture		Remarks
0-16	10YR 5/2	 95	10YR 6/6	5	C C		<u>rexture</u> silty clay loam	·	Remarks
0-10	1011 3/2		1011 0/0				Silty Clay Idali	I	
					-		-		
								-	
	oncentration, D=Depl	etion, RM=R	educed Matrix, MS	S=Masked S	Sand Gra	ins.		_=Pore Lining,	
-	Indicators:								lematic Hydric Soils ³ :
_ Histosol			Dark Surface		(00) (55) (MLRA 147)
	pipedon (A2)		Polyvalue Bel				, 148) C	oast Prairie Re	
_ Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Sul			47, 148)	D	(MLRA 147, '	plain Soils (F19)
	Layers (A5)		Depleted Mat		۷)			(MLRA 136,	
	ick (A10) (LRR N)		Redox Dark S)		V	•	ark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar		•			ther (Explain i	, ,
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8)					
	lucky Mineral (S1) (L	RR N,	Iron-Mangane		(F12) (L	.RR N,			
	\ 147, 148)		MLRA 136	-					
	Sleyed Matrix (S4)		Umbric Surfa					-	ophytic vegetation and
	ledox (S5)		Piedmont Flo						y must be present,
	Matrix (S6) _ayer (if observed):		Red Parent M	faterial (F2	1) (MLRA	127, 14	/) uni	ess disturbed	or problematic.
	_ayer (ii observed):								
Type:			_					D (0.3)	
Depth (ind	ches):		_				Hydric Soil	Present? Y	es <u> </u>
emarks:									

Project/Site: Nottingham S	olar Site	City/Count	_{v:} Harrison Coun	ty	_ Sampling Date: 1/	/13/2021
Applicant/Owner: Nottingha			-	State: OH	Sampling Point:	
Investigator(s): P. Renner; N		Section, To				
Landform (hillslope, terrace, e					Slope	- (%): 2
Subregion (LRR or MLRA): L					 Datum:	
Soil Map Unit Name: Morrist				NWI classifi		
Are climatic / hydrologic condi				(If no, explain in F		
Are Vegetation, Soil _		-	•	Circumstances"		No
Are Vegetation, Soil _				explain any answe		
Are vegetation, our	, or riyurology	naturally problematic:	(II riceded, t	explain any answ	ers in Remarks.)	
SUMMARY OF FINDIN	IGS – Attach site r	nap showing samplir	ng point location	ons, transects	s, important fea	tures, etc.
Hydrophytic Vegetation Pres	sent? Yes	No ls t	he Sampled Area	_	,	
Hydric Soil Present?	Yes_		hin a Wetland?	Yes _	No	
Wetland Hydrology Present?	? Yes <u> </u>	No				
Remarks:		•				
HYDROLOGY						
Wetland Hydrology Indicat	tors:			Secondary Indic	ators (minimum of tw	vo required)
Primary Indicators (minimum	n of one is required; chec	ck all that apply)		Surface Soil	Cracks (B6)	
Surface Water (A1)		True Aquatic Plants (B14)		Sparsely Ve	getated Concave Su	ırface (B8)
High Water Table (A2)		Hydrogen Sulfide Odor (C	1)	Drainage Pa	atterns (B10)	
✓ Saturation (A3)	<u> </u>	Oxidized Rhizospheres on		Moss Trim L	ines (B16)	
Water Marks (B1)	<u> </u>	Presence of Reduced Iron	(C4)	Dry-Season	Water Table (C2)	
Sediment Deposits (B2)		Recent Iron Reduction in	Tilled Soils (C6)	Crayfish Bu	rrows (C8)	
Drift Deposits (B3)		Thin Muck Surface (C7)		Saturation \	/isible on Aerial I mag	jery (C9)
Algal Mat or Crust (B4)	_	Other (Explain in Remarks	s)		Stressed Plants (D1)	
Iron Deposits (B5)				✓ Geomorphic		
Inundation Visible on Ae				Shallow Aqu		
Water-Stained Leaves (B9)				aphic Relief (D4)	
Aquatic Fauna (B13)				▼ FAC-Neutra	l Test (D5)	
Field Observations:						
Surface Water Present?	Yes No	_ Depth (inches):5				
Water Table Present?	Yes No	_ , , ,				
Saturation Present? (includes capillary fringe)	Yes No	_ Depth (inches):0	Wetland I	Hydrology Prese	nt? Yes	No
Describe Recorded Data (str	ream gauge, monitoring	well, aerial photos, previous	inspections), if ava	ailable:		
`	3 3 7 3	, , , , , , ,	, ,,			
Remarks:						
rtomano.						

•	•	Absoluta	Dominant I	ndicator	Dominance Test worksheet:	_
Tree Stratum (Plot size:	r=30'		Species?			
1	,				Number of Dominant Species That Are OBL, FACW, or FAC: (A)	
2					()	
					Total Number of Dominant Species Across All Strata: 2 (B)	
3					Species Across All Strata: (B)	
4					Percent of Dominant Species	
5					That Are OBL, FACW, or FAC: (A/B	3)
6					Davidan a la davana de la com	
		=	Total Cove	r	Prevalence Index worksheet:	
	50% of total cover:	20% of	total cover:		Total % Cover of: Multiply by:	
Capling Stratum (Blot size:	1	20 /0 01			OBL species x 1 =	
Sapling Stratum (Plot size:					FACW species x 2 =	
1					FAC species x 3 =	
2					FACU species x 4 =	
3					UPL species x 5 =	
4					Column Totals: (A) (B)	١
5					Column rotals (A) (B)	,
6.					Prevalence Index = B/A =	
			Total Cove	r	Hydrophytic Vegetation Indicators:	
	50% of total cover:	20% of	total cover		1 - Rapid Test for Hydrophytic Vegetation	
Shrub Stratum (Plot size:		20 /6 01	iotal cover		2 - Dominance Test is >50%	
					3 - Prevalence Index is ≤3.0¹	
1						
2					4 - Morphological Adaptations ¹ (Provide supportin data in Remarks or on a separate sheet)	ıg
3					Problematic Hydrophytic Vegetation¹ (Explain)	
4					Problematic Hydrophytic Vegetation (Explain)	
5					1	
6					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
			Total Cove	r		
					Definitions of Five Vegetation Strata:	
	50% of total cover:	20% of	total cover:_		Tree – Woody plants, excluding woody vines,	
(1 101 01 01 01 01 01 01 01 01 01 01 01 0	<u>r=5'</u>)				approximately 20 ft (6 m) or more in height and 3 in.	
_{1.} Typha angustifolia		35	Yes	OBL	(7.6 cm) or larger in diameter at breast height (DBH).	
_{2.} Salix nigra		35	Yes	FACW	Sapling – Woody plants, excluding woody vines,	
3.					approximately 20 ft (6 m) or more in height and less	
4					than 3 in. (7.6 cm) DBH.	
T					Shrub – Woody plants, excluding woody vines,	
5					approximately 3 to 20 ft (1 to 6 m) in height.	
6						
7					Herb – All herbaceous (non-woody) plants, including	
8					herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3	₹
9					ft (1 m) in height.	
10						
11					Woody vine – All woody vines, regardless of height.	
			Total Cove			
	=00/ 5/ / J					
	50% of total cover: 35	20% of	total cover:_	14		
Woody Vine Stratum (Plot size:	r=30')					
1						
2						
3						
4.					T. Control of the Con	
4						
4 5					Hydrophytic	
		=		r	Vegetation	
		=		r		
	50% of total cover:	= 20% of		r	Vegetation	

(inches)	Matrix Color (moist)	<u></u> %	Redox Color (moist)	x Features %	Type ¹	Loc ²	Texture		Remarks
0-16	10YR 5/2	 95	10YR 6/6	5	C C		<u>rexture</u> silty clay loam	·	Remarks
0-10	1011 3/2		1011 0/0				Silty Clay Idali	I	
					-		-		
								-	
	oncentration, D=Depl	etion, RM=R	educed Matrix, MS	S=Masked S	Sand Gra	ins.		_=Pore Lining,	
-	Indicators:								lematic Hydric Soils ³ :
_ Histosol			Dark Surface		(00) (55) (MLRA 147)
	pipedon (A2)		Polyvalue Bel				, 148) C	oast Prairie Re	
_ Black Hi	stic (A3) n Sulfide (A4)		Thin Dark Sul			47, 148)	D	(MLRA 147, '	plain Soils (F19)
	Layers (A5)		Depleted Mat		۷)			(MLRA 136,	
	ick (A10) (LRR N)		Redox Dark S)		V	•	ark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar		•			ther (Explain i	, ,
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8)					
	lucky Mineral (S1) (L	RR N,	Iron-Mangane		(F12) (L	.RR N,			
	\ 147, 148)		MLRA 136	-					
	Sleyed Matrix (S4)		Umbric Surfa					-	ophytic vegetation and
	ledox (S5)		Piedmont Flo						y must be present,
	Matrix (S6) _ayer (if observed):		Red Parent M	faterial (F2	1) (MLRA	127, 14	/) uni	ess disturbed	or problematic.
	_ayer (ii observed):								
Type:			_					D (0.3)	
Depth (ind	ches):		_				Hydric Soil	Present? Y	es <u> </u>
emarks:									

Project/Site: Nottingham Sc	olar Site			Citv/Co	ounty: Harris	on Count	У	Sampling Date: 1	/12/2021
Applicant/Owner: Nottinghan	n Solar LLC			City/County: Harrison County State: C			State: OH	Sampling Point	: Wetland NS-14
Investigator(s): P. Renner; M									
Landform (hillslope, terrace, et									
Subregion (LRR or MLRA): LF								Datum:	
Soil Map Unit Name: Morrist									
Are climatic / hydrologic condit					_				
Are Vegetation, Soil					•			present? Yes	No
Are Vegetation, Soil								ers in Remarks.)	NO
Are vegetation, Soil	, or nyo	irology	naturally pr	robjemat	uc? (II	needed, e	xpiain any answe	ers in Remarks.)	
SUMMARY OF FINDIN	GS – Atta	ch site ı	map showing	g samı	pling poin	t locatio	ns, transects	s, important fea	atures, etc.
Hydrophytic Vegetation Pres	ent?	Yes 🗸	No		Is the Samp	lad Araa	_		
Hydric Soil Present?		Yes	No		within a Wet		Yes_	No	
Wetland Hydrology Present?		Yes 🗾	No	_					
Remarks:			<u> </u>						
Data point includes both c	ommunitie:	s in PEM/	/PSS wetland i	n reclaii	med minela	ınd.			
HYDROLOGY									
Wetland Hydrology Indicate	ore:						Secondary India	ators (minimum of ty	wo required)
Primary Indicators (minimum		uirad: aba	ak all that apply)				Surface Soil		<u>wo required)</u>
	or one is req	uirea, crie			24.4)				f (D0)
Surface Water (A1) High Water Table (A2)		_	_ True Aquatic Plants (B14) _ Hydrogen Sulfide Odor (C1)				Sparsely Vegetated Concave Surface (B8)Drainage Patterns (B10)		
Saturation (A3)		_							
- · · ·			Oxidized RhizePresence of R			00is (C3)	Moss Trim L	Water Table (C2)	
Water Marks (B1) Sediment Deposits (B2)			Recent Iron R			s (C6)	Crayfish Bu		
Sediment Deposits (B2) Drift Deposits (B3)			_ Recent from Ri _ Thin Muck Sur			s (CO)		/isible on Aerial Ima	gery (CQ)
Algal Mat or Crust (B4)		_	_ Other (Explain					Stressed Plants (D1)	
Iron Deposits (B5)			_ Other (Explain	i iii i toiii	idi Noj			Position (D2)	'
Inundation Visible on Ae	rial Imagery (B7)					Shallow Aqu	, ,	
Water-Stained Leaves (E		,						aphic Relief (D4)	
Aquatic Fauna (B13)	,					•	Z FAC-Neutra		
Field Observations:									
Surface Water Present?	Yes 🗸	No	Depth (inches	s): 4					
Water Table Present?	Yes V	No	Depth (inches						
Saturation Present?	Yes V	No	Depth (inches	,		Wetland H	ydrology Prese	nt? Yes	No
(includes capillary fringe)	100	_ 110		<u> </u>		rrottana n	yarology i rocc	100	
Describe Recorded Data (stre	eam gauge, r	monitoring	well, aerial phot	tos, prev	vious inspection	ons), if avai	ilable:		
Remarks:									

Sampling Point	Wetland	NS-14
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	r=30'	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:1)	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
2					Total Number of Dominant
3					Species Across All Strata:2 (B)
					Percent of Dominant Species
5 6.					That Are OBL, FACW, or FAC:100% (A/B)
			= Total Cove		Prevalence Index worksheet:
	50% of total cover:	20% of	total agyar:		Total % Cover of: Multiply by:
Carlina Otratura (Diataina	4-1	20% 01	total cover.		OBL species x 1 =
Sapling Stratum (Plot size:					FACW species x 2 =
1					FAC species x 3 =
2					FACU species x 4 =
3					UPL species x 5 =
4					Column Totals: (A) (B)
5					
6			= Total Cove		Prevalence Index = B/A = Hydrophytic Vegetation Indicators:
	50% of total cover:	20% of	total cover:		1 - Rapid Test for Hydrophytic Vegetation
Shrub Stratum (Plot size:	<u>r=15'</u>)				2 - Dominance Test is >50%
1. Salix nigra		60	<u>Yes</u>	<u>FACW</u>	3 - Prevalence Index is ≤3.0¹
2					4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3					Problematic Hydrophytic Vegetation ¹ (Explain)
4					Problematic Hydrophytic Vegetation (Explain)
5					1
6					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		60	= Total Cove	er	Definitions of Five Vegetation Strata:
	50% of total cover:30				Definitions of Five vegetation Strata.
Harb Otratum (Distrator	-1	20% 01	total cover:		Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:	/	20	Yes	OBL	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
· · · · · · · · · · · · · · · · · · ·					(7.0 stri) of larger in diameter at breast neight (BB11).
					Sapling – Woody plants, excluding woody vines,
3					approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
4					
5					Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
7					Herb – All herbaceous (non-woody) plants, including
8					herbaceous vines, regardless of size, and woody
9					plants, except woody vines, less than approximately 3
					ft (1 m) in height.
10					Woody vine – All woody vines, regardless of height.
11		20			
			= Total Cove	er	
	50% of total cover:10	20% of	total cover:	4	
Woody Vine Stratum (Plot size	e:)				
1					
2					
3					
5.					
			= Total Cove	 er	Hydrophytic Vegetation
	EOO/ of total				Present? Yes No
D 1 " 1 1 1 1 1	50% of total cover:		iolai cover:		
Remarks: (Include photo num	pers nere or on a separate s	sneet.)			

Depth	Matrix	<u></u> %		x Features	Tum a 1	Loc ²	Taytura	Damadra
(inches)	Color (moist)		Color (moist)	<u>%</u> .	Type ¹		<u>Texture</u> silty clay loam	Remarks
0-16	2.5Y 5/2	90	10YR 6/6	10	C	M	si <u>ity ciay ioan</u>	n
						-	· ·	
ype: C=Co	oncentration, D=Dep	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ains.	² Location: Pl	L=Pore Lining, M=Matrix.
/dric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
_ Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
_ Histic Ep	oipedon (A2)		Polyvalue Be	low Surfac	e (S8) (N	ILRA 147	, 148) C	Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			47, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		2)		P	riedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Mat	. ,				(MLRA 136, 147)
	ick (A10) (LRR N)	(0.4.4)	Redox Dark S					Yery Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar				0	Other (Explain in Remarks)
	ark Surface (A12) 1ucky Mineral (S1) (L	PP N	Redox Depre			PP N		
	147, 148)	.IXIX IV,	MLRA 13		5 (I IZ <i>)</i> (I	-IXIX IN,		
	Gleyed Matrix (S4)		Umbric Surfa		/ILRA 13	6. 122)	3lnd	icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent M					less disturbed or problematic.
	Layer (if observed):							· ·
Туре:								_
Depth (in	ches):		_				Hydric Soil	Present? Yes No
emarks:			<u> </u>				1	
omanto.								

State: OH Sampling Point: Wetland NS-15	Project/Site: Nottingham S	olar Site	City/Count	_{v:} Harrison Coun	ty	Sampling Date: 1/	/12/2021
Section Township Range: Section Range: Section Range: Section Range: Section Range:				-	State: OH	Sampling Point:	Wetland NS-15
ubregion (LRR or MLRA): LRR N Lat: 40.195572 Long: 30 pc (%): 3 ubregion (LRR or MLRA): LRR N Lat: 40.195572 No Lat: 40.			Section, T				
Late						Slope	: (%): 3
No Map Unit Name: Morristown silty clay loam, 8 to 25 percent slopes, reclaimed NWI classification: N/A No (If no, explain in Remarks.) No (If needed, explain any answers in Re							
re climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) re Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No Are "Normal Circumstances" present? Yes No No Is the Sampled Area within a Welland Pydrology Present? Yes No No No No No No No No No N				_			
re Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No neturally problematic? ((If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Soil Is the Sampled Area within a Wetland? Yes No Soil Present? Yes No Soil Previous Inspections), if available:	•						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Sufface Water (A1) True Aquatic Plants (B14) Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) Dyrise Sediment Deposits (B2) Recent from Reduction in Tilled Solis (C6) Saturation Visible on Aerial Imagery (C9) Sturted or Strased Plants (B1)	• •			-			No
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Myss Trim Lines (B16) Water Marks (B1) Presence of Reduced Iron (C4) Dry-Season Water Table (C2) Sediment Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Other (Explain in Remarks) Shallow Aquitard (D3) Water Mark Standa Leaves (B9) Aquatic Fauna (B13) Feld Observations: Surface Water Present? Yes No Depth (inches): 3 Wetland Hydrology Present? Yes No Depth (inches): 0 Wetland Hydrology Present							
Hydrophytic Vegetation Present? Yes No Wetland Hydrology Present? Yes No No Wetland Hydrology Present? Yes No	740 Vogetation, oon	, or riyurology	naturally problematics	(II riceded,	oxplain any anow	oro in remarko.)	
Hydric Soil Present? Wetland Hydrology Present? Yes No Within a Wetland? Wetland Pydrology Present? Wetland in reclaimed mineland. Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Water (A1) Surface Water (A1) Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) Drainage Patterns (B10) Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Water Marks (B1) Presence of Reduced Iron (C4) Drift Deposits (B2) Drift Deposits (B3) Thin Muck Surface (C7) Algal Mat or Crust (B4) Iron Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	SUMMARY OF FINDIN	IGS – Attach site r	map showing samplii	ng point location	ons, transects	s, important fea	tures, etc.
Hydric Soil Present? Yes No No within a Wetland? Yes No	Hydrophytic Vegetation Pres	sent? Yes	, No Is t	he Sampled Area			
Remarks: PEM wetland in reclaimed mineland. Possible Remarks	Hydric Soil Present?	Yes_	No wit	hin a Wetland?	Yes	No	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Wetland Hydrology Present?	Yes <u> </u>	No				
## Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Remarks:		<u>.</u>				
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8) High Water Table (A2) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) Water Marks (B1) Presence of Reduced Iron (C4) Dry-Season Water Table (C2) Sediment Deposits (B2) Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8) Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Other (Explain in Remarks) Stunted or Stressed Plants (D1) Iron Deposits (B5) Shallow Aquitard (D3) Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5) Field Observations: Yes No Depth (inches): 3 Water Table Present? Yes No Depth (inches): 9 Water Table Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Water Table P							
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B14) High Water Table (A2) Hydrogen Sulfide Odor (C1) Saturation (A3) Water Marks (B1) Presence of Reduced Iron (C4) Drift Deposits (B2) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Surface Soil Cracks (B6) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Drainage Patterns (B10) Moss Trim Lines (B10) Drainage Patterns (B10) Moss Trim Lines (B10) Moss Trim Lines (B10) Drainage Patterns (B10) Moss Trim Lines (B10) Moss Trim Lines (B10) Drainage Patterns (B10) Moss Trim Lines (B10) Moss Trim Lines (B10) Drainage Patterns (B10) Moss Trim Lines (B10) Drainage Patterns (B10) Drainage Patterns (B10) Moss Trim Lines (B10) Drainage Patterns (B10) Dr	HYDROLOGY						
Surface Water (A1)	Wetland Hydrology Indicat	tors:			Secondary Indica	ators (minimum of tw	vo required)
High Water Table (A2) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16) Water Marks (B1) Presence of Reduced Iron (C4) Dry-Season Water Table (C2) Sediment Deposits (B2) Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8) Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Other (Explain in Remarks) Stunted or Stressed Plants (D1) Iron Deposits (B5) Geomorphic Position (D2) Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Primary Indicators (minimum	of one is required; chec	ck all that apply)		Surface Soil	Cracks (B6)	
High Water Table (A2)	Surface Water (A1)	<u> </u>	True Aquatic Plants (B14)		Sparsely Ve	getated Concave Su	ırface (B8)
Saturation (A3)	` '	_				=	, ,
Sediment Deposits (B2) Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8) Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Other (Explain in Remarks) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) Shallow Aquitard (D3)		_					
Drift Deposits (B3)	Water Marks (B1)		Presence of Reduced Iron	n (C4)	Dry-Season	Water Table (C2)	
Algal Mat or Crust (B4) Other (Explain in Remarks) Stunted or Stressed Plants (D1) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) Shallow Aquitard (D3) Microtopographic Relief (D4) Aquatic Fauna (B13) Microtopographic Relief (D4) FAC-Neutral Test (D5) Sturface Water Present?	Sediment Deposits (B2)		Recent Iron Reduction in	Tilled Soils (C6)	Crayfish Bu	rrows (C8)	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Drift Deposits (B3)		Thin Muck Surface (C7)		Saturation V	isible on Aerial Imag	gery (C9)
Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3) Water-Stained Leaves (B9) Aquatic Fauna (B13) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Surface Water Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 1 1 1 1	Algal Mat or Crust (B4)	_	Other (Explain in Remarks	s)	Stunted or S	Stressed Plants (D1)	
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): 3 Water Table Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Iron Deposits (B5)				Geomorphic	Position (D2)	
Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): 3 Water Table Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Inundation Visible on Ae	erial Imagery (B7)			Shallow Aqu	ıitard (D3)	
Surface Water Present? Yes No Depth (inches): 3 Water Table Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 1 (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water-Stained Leaves (B9)					
Surface Water Present? Yes No Depth (inches): 3 Water Table Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 1 Unique capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Aquatic Fauna (B13)				FAC-Neutra	l Test (D5)	
Water Table Present? Yes No Depth (inches): 9 Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Depth (inches): 1 Cincludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Field Observations:	,					
Saturation Present? Yes No Depth (inches): 0 Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Surface Water Present?	Yes _ No	_ Depth (inches):3	-			
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Water Table Present?	Yes No No	_ Depth (inches):9	_		_	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		Yes _ No	_ Depth (inches):0	Wetland I	Hydrology Prese	nt? Yes <u></u> ✓	No
		ream gauge monitoring	well aerial photos previous	inenections) if ava	ilahle:		
Remarks:	Describe Necorded Data (sti	ream gauge, monitoring	well, aeriai priotos, previous	s mapectiona), ii ave	mable.		
Remarks:	Demontos						
	Remarks:						

		Abcoluto	Dominant I	ndicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	r=30'		Species?			
1					Number of Dominant Species That Are OBL, FACW, or FAC: (A	A)
					matrice obe, triow, of trio.	()
2					Total Number of Dominant	
3					Species Across All Strata: 2 (E	B)
4					Percent of Dominant Species	
5					That Are OBL, FACW, or FAC: 100%	A/B)
6						
		:	= Total Cove	r	Prevalence Index worksheet:	
	50% of total cover:	20% of	total cover		Total % Cover of: Multiply by:	
Cardina Charles (Distains		20 /0 01	total cover		OBL species x 1 =	
Sapling Stratum (Plot size:					FACW species x 2 =	
1					FAC species x 3 =	
2					FACU species x 4 =	
3					UPL species x 5 =	
4					Column Totals: (A)	(D)
5					Column Totals (A)	(6)
6					Prevalence Index = B/A =	
		:	= Total Cove	r	Hydrophytic Vegetation Indicators:	
	50% of total cover:	20% of	total cover:		1 - Rapid Test for Hydrophytic Vegetation	
Shrub Stratum (Plot size:		20 /6 01	total cover		2 - Dominance Test is >50%	
					3 - Prevalence Index is ≤3.0¹	
1					<u> </u>	4.5
2					4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)	rung
3					Problematic Hydrophytic Vegetation ¹ (Explain)	
4					1 Toblematic Hydrophytic Vegetation (Explain)	
5					1	
6					¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	st
		:	= Total Cove	r		
					Definitions of Five Vegetation Strata:	
	500/ 51 / 1	000/ 6				
	50% of total cover:	20% of	total cover:_		Tree – Woody plants, excluding woody vines,	
(50% of total cover: r=5')	_			approximately 20 ft (6 m) or more in height and 3 in	
1. Phalaris arundinacea		60	Yes	FACW		
1. Phalaris arundinacea 2. Juncus effusus		60			approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH	
1. Phalaris arundinacea		60	Yes	FACW	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less	H).
1. Phalaris arundinacea 2. Juncus effusus		60	Yes Yes	FACW FACW	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines,	H).
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum		60 30 5	Yes Yes No	FACW FACW	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.	H).
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5.	r=5')	60 30 5 5	Yes Yes No	FACW FACW	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less	H).
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum	r=5')	60 30 5 5	Yes Yes No No	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.	1). s
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6.	r=5')	60 30 5 5	Yes Yes No No	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including	1). s
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7.	r=5')	60 30 5 5	Yes Yes No No	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.	i). s
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9.	r=5')	60 30 5 5	Yes Yes No No	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody	i). s
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7.	r=5')	60 30 5 5	Yes Yes No No	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9.	r=5')	60 30 5 5	Yes Yes No No	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9.	r=5')	60 30 5 5	Yes Yes No No	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9.	r=5')	60 30 5 5	Yes Yes No No Total Cove	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10.	r=5') 50% of total cover: 50	60 30 5 5	Yes Yes No No Total Cove	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size:	r=5') 50% of total cover: 50 r=30')	60 30 5 5 5 	Yes Yes No No Total Covertotal cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size: 1	r=5') 50% of total cover: 50 r=30')	60 30 5 5 5	Yes Yes No No Total Covertotal cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size:	r=5') 50% of total cover: 50 r=30')	60 30 5 5 5	Yes Yes No No Total Covertotal cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size: 1	r=5') 50% of total cover:50 r=30')	60 30 5 5 5	Yes Yes No No Total Covertotal cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size: 1. 2.	r=5') 50% of total cover:50 r=30')	60 30 5 5 5 —————————————————————————————	Yes Yes No No Total Covertotal cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height.	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size: 1. 2. 3	r=5') 50% of total cover:50 r=30')	60 30 5 5 5 —————————————————————————————	Yes Yes No No Total Covertotal cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height. Woody vine – All woody vines, regardless of heigh	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size: 1. 2. 3. 4	r=5') 50% of total cover:50 r=30')	60 30 5 5 5	Yes Yes No No Total Covertotal cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height. Woody vine – All woody vines, regardless of heigh	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size: 1. 2. 3. 4	r=5') 50% of total cover: 50 r=30')	60 30 5 5 5	Yes Yes No No Total Cover: Total Cover: Total Cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height. Woody vine – All woody vines, regardless of heigh	1). s ng y 3
1. Phalaris arundinacea 2. Juncus effusus 3. Eupatorium perfoliatum 4. Typha latifolia 5. 6. 7. 8. 9. 10. 11. Woody Vine Stratum (Plot size: 1. 2. 3. 4	r=5') 50% of total cover:50 r=30')	60 30 5 5 5 —————————————————————————————	Yes Yes No No Total Cover: Total Cover: Total Cover:	FACW FACW OBL	approximately 20 ft (6 m) or more in height and 3 in (7.6 cm) or larger in diameter at breast height (DBH Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, includin herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately ft (1 m) in height. Woody vine – All woody vines, regardless of heigh	1). s ng y 3

0-16	Depth (inches)	Matrix			x Features	Turn o 1	1.002	Toutumo	Domonico
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. PL=Pore Lining, M=Matrix. Pydric Soil Indicators: Histosol (A1) Histosol (A1) Black Histic (A2) Thin Dark Surface (S7) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Coast Prairie Redox Dark Surface (S8) (MLRA 147, 148) MURA 147, 148) Depleted Matrix (F3) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thiok Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Dupic Grain MURA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) MLRA 147, 148) MLRA 147, 148) Sandy Mucky Mineral (S1) (LRR N, MLRA 136, 122) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 127, 147) Unless disturbed or problematic Hydric Soil Present? Yes Hydric Soil Present? Yes	(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u> .	Type ¹	Loc ²		Remarks
Histosol (A1)	0-16	10YK 5/2	90 _	1018 5/6			IVI	si <u>ity ciay ioan</u>	n
Histosol (A1)									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 146) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) All Carlot (F13) (MLRA 136, 122) Fledmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 146) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) All Carlot (F13) (MLRA 136, 122) Fledmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Depleted Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) Pindmont Floodplain Soils (F12) (LRR N, MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes							-		-
Histosol (A1)							-		
Histosol (A1)									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Depleted Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) Pindmont Floodplain Soils (F12) (LRR N, MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
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Histosol (A1)									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Depleted Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) Pindmont Floodplain Soils (F12) (LRR N, MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 146) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) All Carlot (F13) (MLRA 136, 122) Fledmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
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Histic Epipedon (A2)	ydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Black Histic (A3)	_ Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	_ Histic Ep	oipedon (A2)		Polyvalue Be	low Surfac	e (S8) (M	LRA 147	, 148) C	Coast Prairie Redox (A16)
Stratified Layers (A5)			,				47, 148)		
						2)		P	Piedmont Floodplain Soils (F19)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sindy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Extrictive Layer (if observed): Type: Depth (inches): Depleted Dark Surface (F7) Depleted Dark Surface (F7) Setrictive Layer (A12) Setrictive Layer (A12									
Thick Dark Surface (A12) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) Indicators of hydrophytic veget Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be prescrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes Hydric Soil Present? Yes			(0.4.4)		•				- , , ,
Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)			e (A11)						otner (Explain in Remarks)
MLRA 147, 148) _ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5) _ Stripped Matrix (S6) _ Type: Depth (inches): _ Depth (inches):			DD N				DD N		
Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) 3Indicators of hydrophytic veget wetland hydrology must be present in the present of the present in th			KK N,			S (F IZ) (I	-KK IN,		
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present problemation of the strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes		·				/II RA 13	6 122)	³ Ind	licators of hydrophytic vegetation and
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic sestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes			•						
estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes			•						
Type: Depth (inches): Hydric Soil Present? Yes			•					ĺ	·
Depth (inches): Hydric Soil Present? Yes									
		ches):						Hydric Soil	Present? Yes No
				_				1	
	omarko.								

Project/Site: Nottingham Sola	ar Site	City/County: Harrison Cou	unty	_ Sampling Date: 1/12/2021
Applicant/Owner: Nottingham S			State: OH	Sampling Point: Wetland NS-16
		Section, Township, Range:		
		Local relief (concave, convex,		Slope (%): 3
Subregion (LRR or MLRA): LRR				Datum: NAD83
Soil Map Unit Name: Morristov			NWI classifi	
Are climatic / hydrologic condition	ns on the site typical for this time		(I f no, explain in F	
Are Vegetation, Soil	- · · · · · · · · · · · · · · · · · · ·		nal Circumstances"	•
Are Vegetation, Soil		•	d, explain any answ	· — — —
·				,
SUMMARY OF FINDING	S – Attach site map show	wing sampling point loca	tions, transects	s, important features, etc.
Hydrophytic Vegetation Presen	nt? Yes No	Is the Sampled Are	a	
Hydric Soil Present?	Yes No	within a Wetland?	Yes _	No
Wetland Hydrology Present?	Yes No			
Remarks:		·		
PEM wetland in reclaimed m	nineland.			
HYDROLOGY				
Wetland Hydrology Indicators	s:		Secondary Indic	ators (minimum of two required)
Primary Indicators (minimum of	f one is required; check all that a	oply)	Surface Soi	l Cracks (B6)
Surface Water (A1)	True Aqua	atic Plants (B14)	Sparsely Ve	egetated Concave Surface (B8)
High Water Table (A2)	Hydrogen	Sulfide Odor (C1)	Drainage Pa	atterns (B10)
Saturation (A3)	Oxidized	Rhizospheres on Living Roots (C3	3) Moss Trim L	ines (B16)
Water Marks (B1)	Presence	of Reduced Iron (C4)	Dry-Season	Water Table (C2)
Sediment Deposits (B2)	Recent Iro	on Reduction in Tilled Soils (C6)	Crayfish Bu	rrows (C8)
Drift Deposits (B3)		k Surface (C7)		/isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Ex	plain in Remarks)		Stressed Plants (D1)
Iron Deposits (B5)	(57)		Geomorphic	• /
Inundation Visible on Aeria			Shallow Aqu	
Water-Stained Leaves (B9))		FAC-Neutra	raphic Relief (D4)
Aquatic Fauna (B13)			Y_ FAC-Neutra	Trest (D5)
Field Observations: Surface Water Present?	Yes No Depth (in	nches):1		
		iches):		
		· · · · · · · · · · · · · · · · · · ·	d Hudralagu Draca	nt? Yes No
Saturation Present? (includes capillary fringe)	res No Deptil (iii	wetian	u nyurology Prese	III! Yes V NO
	m gauge, monitoring well, aerial	photos, previous inspections), if a	available:	
Remarks:				
İ				

•	·	Absolute -	Dominant I	ndicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	r=30'		Species?		Number of Dominant Species	
1					That Are OBL, FACW, or FAC:1 (A	()
2						-7
					Total Number of Dominant Species Across All Strata: 1 (B	
3					Species Across All Strata: (B	5)
4					Percent of Dominant Species	
5					That Are OBL, FACW, or FAC:100% (A.	/B)
6					Describer as Indexes whether the	
		=	= Total Cove	r	Prevalence Index worksheet:	
	50% of total cover:	20% of	total cover:		Total % Cover of: Multiply by:	
Capling Stratum (Blot size:	4 -1	20 /0 01	total oover		OBL species x 1 =	
Sapling Stratum (Plot size:					FACW species x 2 =	
1					FAC species x 3 =	
2					FACU species x 4 =	
3					UPL species x 5 =	
4						D)
5					Column Totals: (A) (I	D)
6					Prevalence Index = B/A =	
			= Total Cove		Hydrophytic Vegetation Indicators:	
					1 - Rapid Test for Hydrophytic Vegetation	
	50% of total cover:	ZU% Of	iolai cover:_		2 - Dominance Test is >50%	
Shrub Stratum (Plot size:						
1					3 - Prevalence Index is ≤3.0 ¹	
2					4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)	tıng
3						
4					Problematic Hydrophytic Vegetation ¹ (Explain)	
5						
6					¹ Indicators of hydric soil and wetland hydrology must	it
<u>. </u>			- Total Cava		be present, unless disturbed or problematic.	
			= Total Cove		Definitions of Five Vegetation Strata:	
	50% of total cover:	20% of	total cover:_		Tree – Woody plants, excluding woody vines,	
Herb Stratum (Plot size:	<u>r=5'</u>)				approximately 20 ft (6 m) or more in height and 3 in.	
1. Phalaris arundinacea		15	No	FACW	(7.6 cm) or larger in diameter at breast height (DBH)	
₂ Typha angustifolia		65	Yes	OBL	Continue Western Louis and Alberta Continue Cont	
					Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less	
3					than 3 in. (7.6 cm) DBH.	
4						
5					Shrub – Woody plants, excluding woody vines,	
6					approximately 3 to 20 ft (1 to 6 m) in height.	
7					Herb - All herbaceous (non-woody) plants, including	g
8					herbaceous vines, regardless of size, and woody	_
9					plants, except woody vines, less than approximately ft (1 m) in height.	<i>'</i> 3
10					it (i iii) iii rieigiit.	
					Woody vine - All woody vines, regardless of height.	
11						
		:	= Total Cove	r		
	50% of total cover: 40	20% of	total cover:_	16		
Woody Vine Stratum (Plot size:	r=30')					
1						
2						
3						
4						
5				·	Hydrophytic	
		=	= Total Cove	r	Vegetation	
	50% of total cover:	20% of	total cover		Present? Yes No	
Remarks: (Include photo number						
Tremains. (illelade priote fluitible	ora here or our a separate si	100t.)				

0-16	Depth (inches)	Matrix			x Features	Turn o 1	1.002	Toutumo	Domonico
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. PL=Pore Lining, M=Matrix. Pydric Soil Indicators: Histosol (A1) Histosol (A1) Black Histic (A2) Thin Dark Surface (S7) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Coast Prairie Redox Dark Surface (S8) (MLRA 147, 148) MURA 147, 148) Depleted Matrix (F3) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thiok Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Dupic Grain MURA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) MLRA 147, 148) MLRA 147, 148) Sandy Mucky Mineral (S1) (LRR N, MLRA 136, 122) Sandy Redox (S5) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 127, 147) Unless disturbed or problematic Hydric Soil Present? Yes Hydric Soil Present? Yes	(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u> .	Type ¹	Loc ²		Remarks
Histosol (A1)	0-16	10YK 5/2	90 _	1018 5/6			IVI	si <u>ity ciay ioan</u>	n
Histosol (A1)									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 146) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) All Carlot (F13) (MLRA 136, 122) Fledmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
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Histosol (A1)									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Depleted Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) Pindmont Floodplain Soils (F12) (LRR N, MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
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Histosol (A1)									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Depleted Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Depth (inches): Depth (inches): Dark Surface (S7) Dark Surface (S8) (MLRA 147, 148) Piedmont Floodplain Soils (F (MLRA 136, 147) Very Shallow Dark Surface (T Other (Explain in Remarks) Pindmont Floodplain Soils (F12) (LRR N, MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 146) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Piedmont Floodplain Soils (F3) MLRA 136, 122) Piedmont Floodplain in Remarks) MLRA 136, 122) Piedmont Floodplain Soils (F4) Wetland hydrology must be prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes									
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Histic Epipedon (A2)	ydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Black Histic (A3)	_ Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	_ Histic Ep	oipedon (A2)		Polyvalue Be	low Surfac	e (S8) (M	LRA 147	, 148) C	Coast Prairie Redox (A16)
Stratified Layers (A5)			,				47, 148)		
						2)		P	Piedmont Floodplain Soils (F19)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sindy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Extrictive Layer (if observed): Type: Depth (inches): Depleted Dark Surface (F7) Depleted Dark Surface (F7) Setrictive Layer (A12) Setrictive Layer (A12									•
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Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)			e (A11)						otner (Explain in Remarks)
MLRA 147, 148) _ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5) _ Stripped Matrix (S6) _ Type: Depth (inches): _ Depth (inches):			DD N				DD N		
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Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic sestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes			•						
estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes			•						
Type: Depth (inches): Hydric Soil Present? Yes			•					ĺ	·
Depth (inches): Hydric Soil Present? Yes									
		ches):						Hydric Soil	Present? Yes No
				_				1	
	omarko.								