Project/Site: Nottingham S	Solar Site	City/Coun	ty: Harrison Count	ty	_ Sampling Date: 1/13	3/2021
Applicant/Owner: Nottingha		•		State: OH	Sampling Point: W	
Investigator(s): P. Renner; N		Section, T				
Landform (hillslope, terrace, e					Slope (%	;): 3
Subregion (LRR or MLRA): <u>L</u>			Long:81			
Soil Map Unit Name: Morrist		`		NWI classific		
Are climatic / hydrologic cond			_	(If no, explain in F		
Are Vegetation, Soil _	* *	-	-	l Circumstances" _l		No
Are Vegetation, Soil _				explain any answe		
Are vegetation, ooii _	, or riyarology	naturally problematic:	(II fleeded, e	sapialit arry arrowe	ers in remarks.)	
SUMMARY OF FINDIN	NGS – Attach site r	map showing sampli	ng point locatio	ons, transects	s, important featu	res, etc.
Hydrophytic Vegetation Pres	sent? Yes_	, No ls :	the Sampled Area	•	,	
Hydric Soil Present?	Yes _	No wit	thin a Wetland?	Yes	No	
Wetland Hydrology Present	? Yes <u> </u>	No				
Remarks:		<u>.</u>				
HYDROLOGY						
Wetland Hydrology Indica	tors:			Secondary Indica	ators (minimum of two r	<u>equired)</u>
Primary Indicators (minimum	n of one is required; ched	ck all that apply)		Surface Soil	l Cracks (B6)	
Surface Water (A1)	<u> </u>	True Aquatic Plants (B14))	Sparsely Ve	getated Concave Surfa	ce (B8)
High Water Table (A2)	_	_ Hydrogen Sulfide Odor (C	51)	Drainage Pa	atterns (B10)	
Saturation (A3)		Oxidized Rhizospheres of	n Living Roots (C3)	Moss Trim L	ines (B16)	
Water Marks (B1)		Presence of Reduced Iron	n (C4)		Water Table (C2)	
Sediment Deposits (B2)		Recent Iron Reduction in	Tilled Soils (C6)	Crayfish Bur		
Drift Deposits (B3)	_	Thin Muck Surface (C7)			isible on Aerial Imager	y (C9)
Algal Mat or Crust (B4)	_	Other (Explain in Remark	s)		Stressed Plants (D1)	
Iron Deposits (B5)				Geomorphic		
Inundation Visible on A				Shallow Aqu		
Water-Stained Leaves ((B9)			FAC-Neutra	aphic Relief (D4)	
Aquatic Fauna (B13)				PAC-Neutra		
Field Observations:	Yes 🗸 No	_ Depth (inches):1				
Surface Water Present?		_ Depth (inches):				
Water Table Present?					10 Y 1	
Saturation Present? (includes capillary fringe)	Yes No <u></u>	_ Depth (inches):	_ Wetland F	lydrology Presei	nt? Yes No	'
Describe Recorded Data (st	ream gauge, monitoring	well, aerial photos, previou	s inspections), if ava	ailable:		
Remarks:						

Sampling	Point:	Wetland	NS-17
	_		

	r=30'	Absolute	Dominant I		Dominance Test worksheet:		
Tree Stratum (Plot size:	1-30	% Cover	Species?	Status	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					_		(-)
					Percent of Dominant Species	1000/	
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 1 =		
Sapling Stratum (Plot size:	r=15')						
1					FACW species x 2 =		
2					FAC species x 3 =		
					FACU species x 4 =	=	_
3					UPL species x 5 =	=	_
4					Column Totals: (A)		(B)
5					(,		- ()
6					Prevalence Index = B/A =		_
			= Total Cove		Hydrophytic Vegetation Indicator	rs:	
	EOO/ of total access				1 - Rapid Test for Hydrophytic		
	50% of total cover:	20% 01	total cover:_		2 - Dominance Test is >50%	· ogotation	
Shrub Stratum (Plot size:	1=12				I —		
1					3 - Prevalence Index is ≤3.0 ¹	1	
2					4 - Morphological Adaptations ¹ data in Remarks or on a se	(Provide supp	orting
3					1	•	,
4					Problematic Hydrophytic Vege	etation (Explain	(ר
5							
					¹ Indicators of hydric soil and wetlar	nd hydrology m	ıust
6					be present, unless disturbed or pro		
			= Total Cove	r	Definitions of Five Venetation Ct.	rata:	
					Definitions of Five Vegetation St	iata.	
	50% of total cover:	20% of	total cover:_				
Herb Stratum (Plot size:	50% of total cover: r=5')	20% of	total cover:_		Tree – Woody plants, excluding wo	oody vines,	in.
Herb Stratum (Plot size:	r=5')			FACW		oody vines, n height and 3	
	<u>r=5'</u>)				Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree	oody vines, n height and 3 east height (DE	
1. Symphyotrichum novae-a 2. Typha angustifolia	r=5') angliae	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at breather. Sapling – Woody plants, excluding	poody vines, n height and 3 east height (DE	BH).
1. Symphyotrichum novae-a 2. Typha angustifolia	r=5')	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree	poody vines, n height and 3 east height (DE	BH).
1. Symphyotrichum novae-a 2. Typha angustifolia 34	r=5') angliae	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH.	oody vines, n height and 3 east height (DE g woody vines, n height and le	BH).
1. Symphyotrichum novae-a 2. Typha angustifolia	r=5') angliae	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more it (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more it than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding was approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH.	pody vines, n height and 3 east height (DE g woody vines, n height and le woody vines,	BH).
1. Symphyotrichum novae-a 2. Typha angustifolia 34	r=5') angliae	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH.	pody vines, n height and 3 east height (DE g woody vines, n height and le woody vines,	BH).
1 Symphyotrichum novae-a 2 Typha angustifolia 3 4.	r=5') angliae	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more it (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more it than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding vapproximately 3 to 20 ft (1 to 6 m) it Herb – All herbaceous (non-woody	pody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height.	8H). ss
1. Symphyotrichum novae-a 2. Typha angustifolia 3. 4. 5. 6. 7	r=5') angliae	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the Herb – All herbaceous (non-woody herbaceous vines, regardless of size	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. /) plants, includ ze, and woody	BH). ss
1. Symphyotrichum novae-a 2. Typha angustifolia 3	r=5') angliae	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the proximately 3 to 20 ft (1 to 6 m) in the plants, except woody vines, less than the proximately woody woody vines, less than the proximately woody vines, less than the proximately woody vines, less than the proximately woody woody vines, less than the proximately woody woody woody vines, less than the proximately woody woody woody woody.	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. /) plants, includ ze, and woody	BH). ss
1 Symphyotrichum novae-a 2 Typha angustifolia 3.	r=5') angliae		Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the Herb – All herbaceous (non-woody herbaceous vines, regardless of size	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. /) plants, includ ze, and woody	BH). ss
1. Symphyotrichum novae-a 2. Typha angustifolia 3. 4. 5. 6. 7. 8. 9. 10. 10.	r=5') angliae		Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the proximately 3 to 20 ft (1 to 6 m) in the plants, except woody vines, less than the proximately woody woody vines, less than the proximately woody vines, less than the proximately woody vines, less than the proximately woody woody vines, less than the proximately woody woody woody vines, less than the proximately woody woody woody woody.	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1 Symphyotrichum novae-a 2 Typha angustifolia 3.	r=5') angliae		Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3. 4. 5. 6. 7. 8. 9. 10. 10.	r=5') angliae		Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3. 4. 5. 6. 7. 8. 9. 10. 10.	r=5') angliae	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3.	r=5') angliae 50% of total cover: 45	20 70	Yes Yes	FACW	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3	r=5') angliae 50% of total cover: 45 : r=30')		Yes Yes Total Cover:	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3	r=5') angliae 50% of total cover:45 :1		Yes Yes Total Cove total cover:	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3.	r=5') angliae 50% of total cover:45 :r=30')		Yes Yes Total Cove total cover:	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3	r=5') angliae 50% of total cover:45		Yes Yes Yes Total Cover:	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3	r=5') angliae 50% of total cover:45 :r=30')		Yes Yes Yes Total Cover:	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the control of the control	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3	r=5') angliae 50% of total cover:45 :r=30')		Yes Yes Total Cove total cover:	FACW OBL	Tree – Woody plants, excluding we approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the compact of the compact	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3	r=5') angliae 50% of total cover:45 :r=30')		Yes Yes Total Cove total cover:	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the same of the	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate gardless of heig	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3	r=5') angliae 50% of total cover: 45 : r=30')		Yes Yes Yes Total Cove Total Cove	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the same of the	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3			Yes Yes Yes Total Cove Total Cove	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the same of the	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate gardless of heig	BH). ss ling ely 3
1. Symphyotrichum novae-a 2. Typha angustifolia 3			Yes Yes Yes Total Cove Total Cove	FACW OBL	Tree – Woody plants, excluding wo approximately 20 ft (6 m) or more in (7.6 cm) or larger in diameter at bree Sapling – Woody plants, excluding approximately 20 ft (6 m) or more in than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding wapproximately 3 to 20 ft (1 to 6 m) in the same of the	poody vines, n height and 3 east height (DE g woody vines, n height and le woody vines, in height. //) plants, includ ze, and woody ian approximate gardless of heig	BH). ss ling ely 3

(inches)	Matrix Color (moist)	<u></u> %	Redo Color (moist)	x Features %	Type ¹	Loc ²	Texture		Remarks	
(inches) 0-16	10YR 5/2	90	10YR 4/6	10	C		silty clay loam		Remarks	
0-10	1011 3/2		101114/0				Silty Clay Idali			
		-				-		-		
							· ·			
							· ·			
							· .			
		•				-	· ——	•		
					-					
	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked S	Sand Gra	ins.	² Location: Pl			3
ydric Soil I									blematic Hydric So	oils":
_ Histosol			Dark Surface		(00) (11				10) (MLRA 147)	
	ipedon (A2)		Polyvalue Be				, 148) C		Redox (A16)	
_ Black His	n Sulfide (A4)		Thin Dark Su Loamy Gleye			47, 148)	D	(MLRA 147)	, 148) odplain Soils (F19)	
	l Layers (A5)		Depleted Mar		۷)		<u> </u>	(MLRA 136		
	ck (A10) (LRR N)		Redox Dark	. ,)		V		Dark Surface (TF12))
	Below Dark Surface	e (A11)	Depleted Dar	•				-	in Remarks)	
Thick Da	rk Surface (A12)	, ,	Redox Depre					, ,	•	
	lucky Mineral (S1) (L	RR N,	Iron-Mangan		s (F12) (l	.RR N,				
	147, 148)		MLRA 13				_			
	leyed Matrix (S4)		Umbric Surfa						drophytic vegetation	
	edox (S5)		Piedmont Flo						ogy must be present	,
	Matrix (S6)		Red Parent N	/laterial (F2	1) (MLR /	127, 14	(7) unl	ess disturbe	d or problematic.	
	ayer (if observed):									
Туре:									1	
			<u></u>				Hydric Soil	Present?	Yes No _	
Depth (inc	ches):									
Depth (inc	ches):									
Depth (inc	ches):									
Depth (inc	ches):									
Depth (inc	ches):									
Depth (inc	:hes):									
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Depth (inc	ches):									
Depth (inc	ches):									
Depth (inc	ches):									

Project/Site: Nottingham S	olar Site	City/Coun	_{ity:} Harrison Coun	ty	_ Sampling Date: 1/	′12/2021
Applicant/Owner: Nottingham			-	State: OH	Sampling Point:	Wetland NS-18
Investigator(s): P. Renner; N		Section, 7				
Landform (hillslope, terrace, e					Slope	(%): 3
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	· · · · · · · · · · · · · · · · · · ·	_	-	l Circumstances"		No
Are Vegetation, Soil _				explain any answe		140
Are vegetation, ooi	, or riyurology	naturally problematic:	(II ficeded,	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 Is	the Sampled Area		,	
Hydric Soil Present?	Yes		thin a Wetland?	Yes _	No	
Wetland Hydrology Present?	Yes Yes	No				
Remarks:		,				
HYDROLOGY						
Wetland Hydrology Indicat	ors:			Secondary Indicate	ators (minimum of tw	o required)
Primary Indicators (minimum	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	rface (B8)
High Water Table (A2)	_	Hydrogen Sulfide Odor (0	C1)	Drainage Pa	atterns (B10)	
✓ Saturation (A3)		Oxidized Rhizospheres o		Moss Trim L	ines (B16)	
Water Marks (B1)		Presence of Reduced Iro	n (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 V	/isible on Aerial Imag	jery (C9)
Algal Mat or Crust (B4)	_	Other (Explain in Remark	(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 No	_ Depth (inches):3	_			
Water Table Present?	Yes No	_ , , ,	_			
Saturation Present? (includes capillary fringe)	Yes No	_ Depth (inches):3	_ Wetland I	Hydrology Prese	nt? Yes	No
Describe Recorded Data (str	ream gauge, monitoring	well, aerial photos, previou	ıs inspections), if ava	ailable:		
`	3 3 7 3	, , , , , , ,	1 //			
Remarks:						
Tromano.						

·		Absolute	Dominant In	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					
					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: (A/B)
6					Describer as leader we what a ste
			= Total Cover		Prevalence Index worksheet:
	50% of total cover:	20% of	total cover		Total % Cover of: Multiply by:
Capling Stratum (Blot size:	4 - 1	2070 01	10101 00 101		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					
5					Column Totals: (A) (B)
6					Prevalence Index = B/A =
		=	= Total Cover		Hydrophytic Vegetation Indicators:
	50% of total cover:				1 - Rapid Test for Hydrophytic Vegetation
		20% 01	total cover:		2 - Dominance Test is >50%
Shrub Stratum (Plot size:					3 - Prevalence Index is ≤3.0¹
1					
2					4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3					Problematic Hydrophytic Vegetation ¹ (Explain)
4					1 Toblematic Trydrophytic Vegetation (Explain)
5					1
6					¹ Indicators of hydric soil and wetland hydrology must 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,
TICID Ottatam (Flot 3126.	<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. Scirpus cyperinus		5	No	OBL	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					Church Woods plants avaluding woods wines
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
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 Cover		
	500/ -51-1-1				
	50% of total cover: 20	20% of	total cover:	0	
Woody Vine Stratum (Plot size:	r=30°				
1					
2					
3				<u>_</u>	
4					
5					
<u>-</u>	_		Total Cover	,	Hydrophytic Vegetation
	=00/ f/ / l				Present? Yes No
	50% of total cover:		total cover:		
Remarks: (Include photo number	ers here or on a separate s	heet.)			

Depth	Matrix			x Features	Tum a 1	1.002	Taytura	Domonico
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u> .	Type ¹	Loc ²	<u>Texture</u> silty clay loan	Remarks
0-16	2.5Y 4/2	90	10YR 5/6	10	C	M	si <u>ity ciay ioan</u>	n
							<u></u> .	
							· 	
							· <u></u>	
							. <u> </u>	
							· 	
							· <u> </u>	
	oncentration, D=Depl	etion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ains.		L=Pore Lining, M=Matrix.
ydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surface					cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				", 148) C	Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			47, 148)	_	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		2)		P	Piedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Mat	, ,			V	(MLRA 136, 147) 'ery Shallow Dark Surface (TF12)
	ick (A10) (LRR N) d Below Dark Surface	Δ(Δ11)	Redox Dark S Depleted Dar					Other (Explain in Remarks)
	ark Surface (A12)	5 (ATT)	Redox Depre				0	other (Explain in Itemarks)
	lucky Mineral (S1) (L	RR N.	Iron-Mangane			RR N.		
	147, 148)	,	MLRA 130		o (i . i _ / (i			
	Bleyed Matrix (S4)		Umbric Surfa		/ILRA 13	6, 122)	³ lnd	licators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					etland hydrology must be present,
_ Stripped	Matrix (S6)		Red Parent M					less disturbed or problematic.
estrictive l	_ayer (if observed):							
Type:			_					
Depth (in	ches):		_				Hydric Soil	Present? Yes No
emarks:								

Project/Site: Nottingham S	Solar Site	City/Count	_{tv:} Harrison Count	ty	_ Sampling Date: <u>1/</u>	13/2021
Applicant/Owner: Nottingha				State: OH	Sampling Point:	
Investigator(s): P. Renner; I		Section, T		<u> </u>		
Landform (hillslope, terrace, e					Slope	(%): 3
Subregion (LRR or MLRA): L			Long: <u>-81.</u>			NAD83
Soil Map Unit Name: Morris			_	NWI classifi		
Are climatic / hydrologic cond			•	(I f no, explain in I		
Are Vegetation, Soil _	- ·	-	-	Circumstances"		No
Are Vegetation, Soil _				explain any answ		_ 110
, con_	, or rrydrology	naturany problematio:	(II Heeded, e	oxplain any answ	oro in recinarico.	
SUMMARY OF FINDIN	NGS – Attach site r	nap showing sampli	ng point location	ons, transect	s, important feat	tures, etc.
Hydrophytic Vegetation Pres	sent? Yes	No is 1	he Sampled Area		•	
Hydric Soil Present?	Yes	No wit	hin a Wetland?	Yes _	No	
Wetland Hydrology Present	:? Yes <u></u>	No				
Remarks:						
PEM wetland in reclaimed	d mineland.					
HYDROLOGY Wetland Hydrology Indica	tore:			Secondary India	ators (minimum of two	o roquirod)
Primary Indicators (minimun		ok all that apply)				<u>o required)</u>
					Cracks (B6)	rfoce (DO)
Surface Water (A1)		True Aquatic Plants (B14)			egetated Concave Su	пасе (ва)
High Water Table (A2)	_	Hydrogen Sulfide Odor (C			atterns (B10)	
Saturation (A3)	_	 Oxidized Rhizospheres or Presence of Reduced Iror 		Moss Trim I		
Water Marks (B1) Sediment Deposits (B2)		Recent Iron Reduction in	` ,	Crayfish Bu	Water Table (C2)	
Drift Deposits (B3)		Thin Muck Surface (C7)	Tilled Solis (Co)		/isible on Aerial Imag	ery (C9)
Algal Mat or Crust (B4)	_	Other (Explain in Remark	(2		Stressed Plants (D1)	cry (03)
Iron Deposits (B5)	_	_ other (Explain in Noman	~ <i>)</i>	Z Geomorphic		
Inundation Visible on A	erial Imagery (B7)			Shallow Aqu	, ,	
Water-Stained Leaves (aphic Relief (D4)	
Aquatic Fauna (B13)				Z FAC-Neutra		
Field Observations:						
Surface Water Present?	Yes No	_ Depth (inches):3				
Water Table Present?		_ Depth (inches):				
Saturation Present?	Yes No			lvdrology Prese	nt? Yes	No
(includes capillary fringe)						
Describe Recorded Data (st	tream gauge, monitoring	well, aerial photos, previou	s inspections), if ava	ilable:		
Remarks:						

•		Ahsolute -	Dominant In	dicator	Dominance Test worksheet:	<u> </u>	
Tree Stratum (Plot size:	r=30'		Species?		Number of Dominant Species		
1					That Are OBL, FACW, or FAC:	3	(A)
2							()
					Total Number of Dominant	3	(D)
3					Species Across All Strata:		(B)
4					Percent of Dominant Species		
5					That Are OBL, FACW, or FAC:	100%	(A/B)
6					Daniel and Indiana de la character		
		=	= Total Cover		Prevalence Index worksheet:		
	50% of total cover:	20% of	total cover		Total % Cover of:		
Capling Stratum (Blot size:	1	20 /0 01	10101 00 101		OBL species x	1 =	_
Sapling Stratum (Plot size:					FACW species x 2	2 =	_
1					FAC species x 3	3 =	
2					FACU species x 4	4 =	
3					UPL species x :		
4							
5					Column Totals: (A))	_ (B)
6					Prevalence Index = B/A =_		_
			= Total Cover		Hydrophytic Vegetation Indicat	tors:	
	EOO/ of total accom				1 - Rapid Test for Hydrophyt		
	50% of total cover:	20% or	total cover:		2 - Dominance Test is >50%	_	
Shrub Stratum (Plot size:					1 		
1					3 - Prevalence Index is ≤3.0¹		
2					4 - Morphological Adaptation data in Remarks or on a s	is (Provide sup	porting
3							N
4					Problematic Hydrophytic Veg	getation (Explai	m)
5							
6					¹ Indicators of hydric soil and wetl		nust
<u> </u>			- Total Cayor		be present, unless disturbed or p		
			= Total Cover		Definitions of Five Vegetation S	Strata:	
	50% of total cover:	20% of	total cover:		Tree – Woody plants, excluding v	woody vines	
Herb Stratum (Plot size:	<u>r=5'</u>)				approximately 20 ft (6 m) or more		in.
1. Schoenoplectus tabernae	montani	35	Yes	OBL	(7.6 cm) or larger in diameter at b		
2 Scirpus cyperinus		15	Yes	OBL	Senting Woody plants evaludi	na woody vinos	
3 Typha angustifolia		20	Yes	OBL	Sapling – Woody plants, excluding approximately 20 ft (6 m) or more		
4					than 3 in. (7.6 cm) DBH.	oo.g aa	
4							
5					Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m		
6					approximately 5 to 20 it (1 to 6 iii	i) iii neigiit.	
7					Herb - All herbaceous (non-wood	2/1	0
8					herbaceous vines, regardless of		
9					plants, except woody vines, less ft (1 m) in height.	tnan approxima	tely 3
10					(1 m) in noight.		
					Woody vine - All woody vines, r	egardless of he	ight.
11							
			= Total Cover				
	50% of total cover: 35	20% of	total cover:	14			
Woody Vine Stratum (Plot size:) r=30')						
1							
2							
3							
4							
5				.	Hydrophytic		
		=	= Total Cover		Vegetation		
	50% of total cover:	20% of	total cover		Present? Yes	No	
Remarks: (Include photo number							
nemarks. (include prioto numbe	ers nere or on a separate s	ieet.)					

0-16 10YR 5/2 90 10YR 6/6 10 C M silty clay loam	Depth	Matrix			x Features	Tun a ¹	1.22	Taytura	Damadra
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ydric Soil Indicators: Histosol (A1) Histos Epipedon (A2) Histosol (B4) Hydrogen Sulfide (A3) Thin Dark Surface (S8) (MLRA 147, 148) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Depleted Matrix (F3) Thick Dark Surface (A11) Thick Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147) MLRA 147, 148) MLRA 147, 148) MLRA 147, 148) Sandy Gleyed Matrix (F2) Sandy Mucky Mineral (S1) (LRR N, MLRA 147) MLRA 147, 148) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F3) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 147) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Sandy Redox (S5) Red Parent Material (F21) (MLRA 127, 147) Depleted Bartix (S6) Setripced Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Hydric Soil Present? Yes No	(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u> .	Type ¹	Loc ²		Remarks
Histosol (A1)	0-16	101K 5/2		1018 6/6			IVI	si <u>ity ciay ioan</u>	1
Histosol (A1)							-		
Histosol (A1)									
Histosol (A1)				_					
Histosol (A1)							-	·	
Histosol (A1)									
Histosol (A1)									
Histosol (A1)									
Histosol (A1)									
Histosol (A1)									
Histosol (A1)								<u> </u>	-
Histosol (A1)									
Histosol (A1)	ype: C=C	oncentration, D=Depl	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ains.	² Location: Pl	L=Pore Lining, M=Matrix.
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) 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) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Depth (inches): Depth (inches): Depth (inches): Polyvalue Below Surface (S8) (MLRA 147, 148) (MLRA 147, 148) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Polyvalue Below Surface (S9) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 147, 148) No Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be present, unless disturbed or problematic. No Loast Prairie Redox (A16) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) No Loast Prairie Redox (A16) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Very Shallow Dark Surface (TF12) (MLRA 136, 147) Very Shallow Dark Surface (TF12) (MLRA 147, 148) Very Shallow Dark Surface (TF12) (MLRA 147, 148) Very Shallow Dark Surface (TF12) (MLRA 136, 147) Very Shallow Dark Surface (TF12) (MLRA 147, 148) Very Shallow Dark Surface (TF12) (MLR	ydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Black Histic (A3)	_ Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) (LRR N) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Estrictive Layer (if observed): Type: Depth (inches): Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F2) MLRA 136, 147) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Nother (Explain in Remarks) New Yery Shallow Dark Surface (TF12) Nother (Explain in Remarks) Nother (Ex	_ Histic Ep	oipedon (A2)		Polyvalue Be	low Surfac	e (S8) (N	ILRA 147	′, 148) C	coast Prairie Redox (A16)
Stratified Layers (A5) _ 2 cm Muck (A10) (LRR N) _ 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 (S6) _ Stripped Matrix (S6) _ Strictive Layer (if observed): Type: _ Depleted Matrix (F3) _ Medox Dark Surface (F6) _ Depleted Dark Surface (F7) _ Other (Explain in Remarks) _ Other							47, 148)		
2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)						2)		P	
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 (S6) Stripped Matrix (S6) Stripped Matrix (S6) Depth (inches): Depth (inches): Depth (black Surface (A12) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Welland 136, 122) Iron-Manganese Masses (F12) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 127, 147) Welland 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (MLRA 148) Iro									
Thick Dark Surface (A12) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) Umbric Surface (F13) (MLRA 136, 122)			(0.4.4)		•	•			- , , , ,
Sandy Mucky Mineral (S1) (LRR N,			e (A11)					_ 0	otner (Explain in Remarks)
MLRA 147, 148) _ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5) _ Stripped Matrix (S6) Stripped Matrix (S6) Estrictive Layer (if observed): Type: Depth (inches): _ MLRA 136) _ Umbric Surface (F13) (MLRA 136, 122) _ Piedmont Floodplain Soils (F19) (MLRA 148) _ Wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No			DD N				DDN		
Sandy Gleyed Matrix (S4)			.KK N,			S (F IZ) (I	LKK N,		
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Type:		·				/II RA 13	6 122)	³ Ind	icators of hydrophytic vegetation and
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No									
Type: Hydric Soil Present? Yes No									
Type: Depth (inches):						, ,	· · ·	İ	·
Depth (inches): No									
		ches):		<u>—</u>				Hydric Soil	Present? Yes No
				_				11,70	
	emarks.								

Project/Site: Nottingham Se	olar Site		City	_{v/County:} Harri	ison Count	У	Sampling Date: 1/	[/] 13/2021
Applicant/Owner: Nottinghar		2	City	,, o o a		State: OH	Sampling Point:	Wetland NS-20
Investigator(s): P. Renner; N								
Landform (hillslope, terrace, e								(%): 3
Subregion (LRR or MLRA): LI							Datum:	
Soil Map Unit Name: Morrist								
Are climatic / hydrologic condi				_				
Are Vegetation, Soil				-			present? Yes	No
Are Vegetation, Soil _						xplain any answe		NO
Are vegetation, 3011	, 01 115	yurology	naturally proble	matic: (ii needed, e	xpiairi ariy ariswe	is in Remarks.)	
SUMMARY OF FINDIN	GS – Att	ach site r	map showing sa	ampling poi	nt locatio	ns, transects	, important fea	tures, etc.
Hydrophytic Vegetation Pres	ent?	Yes _	No	Is the Sam	pled Area			
Hydric Soil Present?		Yes_	No	within a We		Yes	No	
Wetland Hydrology Present?)	Yes	No					
Remarks:								
PEM wetland in reclaimed	mineland							
HYDROLOGY								
Wetland Hydrology Indicat	ors:					Secondary Indica	ators (minimum of tw	o required)
Primary Indicators (minimum	of one is re	equired; chea	ck all that apply)			Surface Soil	Cracks (B6)	
Surface Water (A1)			_ True Aquatic Plants	ts (B14)		Sparsely Ve	getated Concave Su	ırface (B8)
High Water Table (A2)			Hydrogen Sulfide C	Odor (C1)		Drainage Pa	tterns (B10)	
Saturation (A3)			Oxidized Rhizosph	neres on Living F		Moss Trim L		
Water Marks (B1)			Presence of Reduc		. ,		Water Table (C2)	
Sediment Deposits (B2)			Recent Iron Reduc		ils (C6)	Crayfish Bur		
Drift Deposits (B3)			Thin Muck Surface		. ,	=	isible on Aerial Imag	jery (C9)
Algal Mat or Crust (B4)			_ Other (Explain in R				tressed Plants (D1)	
Iron Deposits (B5)				,			Position (D2)	
Inundation Visible on Ae	rial Imagery	/ (B7)				Shallow Aqu	, ,	
Water-Stained Leaves (I							aphic Relief (D4)	
Aquatic Fauna (B13)	,				(Z FAC-Neutral		
Field Observations:				T				
Surface Water Present?	Vas 🗸	No	_ Depth (inches):	12				
Water Table Present?		No No						
Saturation Present?		No No	,		Watland III	vedena la eve Desa a co	nt? Yes_	No
(includes capillary fringe)	res	NO	_ Depth (inches):		wetiand n	yarology Presei	it? res	NO
Describe Recorded Data (str	eam gauge	, monitoring	well, aerial photos, p	previous inspect	ions), if avai	lable:		
Remarks:								
Tremane.								

•		Absolute Dominant Ir	ndicator	Dominance Test worksheet:
Tree Stratum (Plot size:	r=30'	% Cover 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				Openies / toross / till citata.
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
				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:	<u>r=15'</u>)			FACW species x 2 =
1				FAC species x 3 =
2				FACU species x 4 =
3				
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
		= Total Cover		Hydrophytic Vegetation Indicators:
	500/ 51 1			1 - Rapid Test for Hydrophytic Vegetation
	50% of total cover:	20% of total cover:		2 - Dominance Test is >50%
Shrub Stratum (Plot size:				3 - Prevalence Index is ≤3.0¹
1				
2				 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
3				Problematic Hydrophytic Vegetation¹ (Explain)
4				1 Toblematic Trydrophytic Vegetation (Explain)
5				The disease of levels and well and by deal and accept
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		= Total Cover	r	Definitions of Five Vegetation Strata:
	50% of total cover:	20% of total cover:		
Herb Stratum (Plot size:	r=5'	2070 of total cover		Tree – Woody plants, excluding woody vines,
. Typha angustifolia		80 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).
				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, approximately 3 to 20 ft (1 to 6 m) in height.
6				approximately 3 to 20 it (1 to 6 iii) iii neight.
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.
		80 = Total Cover	r	
	50% of total cover: 40			
Manda Vina Chatana (Diataina		20% or total cover		
Woody Vine Stratum (Plot size:				
1				
2			-	
3				
4				
5				Hydrophytic
		= Total Cover	r	Vegetation
	50% of total cover:	20% of total cover:		Present? Yes No
Remarks: (Include photo number				
(maide priore ridinal	and the second s	··· ··· <i>j</i>		

Depth	cription: (Describe to Matrix			x Features					<u></u>	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²			Remarks	
0-16	10YR 5/2	90	10YR 6/6	10	C	M	silty clay loam	າ		
	·					-				
							-			
							<u> </u>			
Type: C=C	oncentration, D=Depl	etion, RM=R	educed Matrix, MS	S=Masked :	Sand Gra	ins.	² Location: P	L=Pore Lin	ing, M=Matrix	
Hydric Soil		,	,						roblematic H	
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 1	147)
	pipedon (A2)		Polyvalue Be		e (S8) (M	LRA 147			e Redox (A16)	
Black Hi	stic (A3)		Thin Dark Su	ırface (S9)	(MLRA 1	47, 148)		(MLRA 14	l7, 148)	
	en Sulfide (A4)		Loamy Gleye		2)		P		oodplain Soils	(F19)
	d Layers (A5)		✓ Depleted Mar					(MLRA 13		
	ick (A10) (LRR N)		Redox Dark						v Dark Surface	
	d Below Dark Surface	e (A11)	Depleted Dar				c	ther (Expla	in in Remarks	5)
	ark Surface (A12) 1ucky Mineral (S1) (L	DD N	Redox Depre			DD N				
	147, 148)	.KK N,	MLRA 13		S (F 12) (L	LKK N,				
	Gleyed Matrix (S4)		Umbric Surfa	-	/LRA 13	6. 122)	3Ind	icators of h	ydrophytic ve	getation and
	Redox (S5)		Piedmont Flo						logy must be	
	Matrix (S6)		Red Parent N						ed or problem	
	Layer (if observed):			•			<u>,</u>		<u>'</u>	
Type:									_	
Depth (in	ches):		_				Hydric Soil	Present?	Yes V	No
Remarks:	,		_							
tomarito.										

Project/Site: Nottingham S	olar Site	City/County	_{v:} Harrison Count	У	Sampling Date: 3/	16/2021
Applicant/Owner: Nottingha			,	State: OH	Sampling Point:	
Investigator(s): P. Renner; S		Section, To		<u> </u>	' ' '	
Landform (hillslope, terrace, e					Slope	(%): 10
Subregion (LRR or MLRA): <u>L</u>					Datum:	
Soil Map Unit Name: Morris			_	NWI classific		
Are climatic / hydrologic cond				If no, explain in F		
Are Vegetation, Soil _	- ·	-	-	Circumstances" ¡		No
Are Vegetation, Soil _				explain any answe		_ 110
Are vegetation, 50ii _	, or riyarology	naturally problematic:	(II Heeded, e	Apiairi ariy ariswe	ers in Remarks.)	
SUMMARY OF FINDIN	NGS – Attach site r	nap showing samplir	ng point locatio	ns, transects	s, important fea	tures, etc.
Hydrophytic Vegetation Pres	sent? Yes	No ls ti	he Sampled Area			
Hydric Soil Present?	Yes		hin a Wetland?	Yes_	No	
Wetland Hydrology Present	? Yes	No				
Remarks:						
HYDROLOGY						
Wetland Hydrology Indica	tors:			Secondary Indica	ators (minimum of tw	o required)
Primary Indicators (minimun	n of one is required; ched	ck all that apply)		Surface Soil	Cracks (B6)	
Surface Water (A1)	_	True Aquatic Plants (B14)		Sparsely Ve	getated Concave Su	rface (B8)
High Water Table (A2)	_	Hydrogen Sulfide Odor (C	1)	Drainage Pa	atterns (B10)	
✓ Saturation (A3)	_	Oxidized Rhizospheres on	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 7	Filled Soils (C6)	Crayfish Bur	rrows (C8)	
Drift Deposits (B3)	_	Thin Muck Surface (C7)			'isible on Aerial I mag	ery (C9)
Algal Mat or Crust (B4)	_	Other (Explain in Remarks	5)		Stressed Plants (D1)	
Iron Deposits (B5)					Position (D2)	
Inundation Visible on A				Shallow Aqu		
Water-Stained Leaves ((B9)		,		aphic Relief (D4)	
Aquatic Fauna (B13)				FAC-Neutral	T Test (D5)	
Field Observations:		5 " " 1) 1				
Surface Water Present?	Yes No No	_ Depth (inches):1				
Water Table Present?	Yes No	_				
Saturation Present? (includes capillary fringe)	Yes <u></u> No	_ Depth (inches):0	Wetland H	ydrology Presei	nt? Yes	No
Describe Recorded Data (st	ream gauge, monitoring	well, aerial photos, previous	inspections), if avai	ilable:		
Remarks:				-		

		Absolute	Dominant	ndicator	Dominance Test worksheet:		
Tree Stratum (Plot size:	r=30'	% Cover	Species?	Status	Number of Dominant Species		
1					That Are OBL, FACW, or FAC:	2	(A)
2					Total Neurolean of Dansin aut		
3					Total Number of Dominant Species Across All Strata:	2	(B)
4					openie , terese , iii etrata.		(5)
					Percent of Dominant Species	100%	(4 (5)
5					That Are OBL, FACW, or FAC:	100%	(A/B)
6					Prevalence Index worksheet:		
			= Total Cove	er	Total % Cover of:	Multiply by:	
	50% of total cover:	20% of	total cover:		OBL species x		
Sapling Stratum (Plot size:	r=15')						
1					FACW species x 2		
2					FAC species x		
					FACU species x		
3					UPL species x	5 =	
4					Column Totals: (A)	_ (B)
5 6					Prevalence Index = B/A =_		
o			= Total Cove		Hydrophytic Vegetation Indicate		_
	EOO/ of total agreem				1 - Rapid Test for Hydrophyt	ic Vegetation	
	50% of total cover:	20% of	total cover:		2 - Dominance Test is >50%	.io vogotation	
Shrub Stratum (Plot size:		60	.,	E 4 6) 4 /	2 Providence Index is <2.0	1	
1. Salix nigra		60	Yes	FACW	3 - Prevalence Index is ≤3.0		
2					4 - Morphological Adaptation data in Remarks or on a s	is (Provide sup	porting
3							\
4					Problematic Hydrophytic Veg	getation (Explai	n)
5							
6					¹ Indicators of hydric soil and wetl be present, unless disturbed or p		nust
			= Total Cove		1 ' ' '		
	20				Definitions of Five Vegetation	Strata:	
	50% of total cover: 30	20% of	total cover:	12	Tree – Woody plants, excluding	woody vines,	
TICID Ottatum (1 lot 312C.	r=5')	20% of	total cover:	12	approximately 20 ft (6 m) or more	e in height and 3	
1. Typha angustifolia		10	No	OBL		e in height and 3	
1. Typha angustifolia 2. Phalaris arundinacea		10 75			approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at b	e in height and 3 breast height (Di	BH).
1. Typha angustifolia		10	No	OBL	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at be sapling – Woody plants, excluding approximately 20 ft (6 m) or more	e in height and 3 breast height (Di ng woody vines	BH).
1. Typha angustifolia 2. Phalaris arundinacea		10 75	No Yes	OBL FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at b Sapling – Woody plants, excludi	e in height and 3 breast height (Di ng woody vines	BH).
1. Typha angustifolia 2. Phalaris arundinacea		10 75	No Yes	OBL FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the Sapling – Woody plants, excluding approximately 20 ft (6 m) or more than 3 in. (7.6 cm) DBH.	e in height and 3 breast height (Di ng woody vines e in height and le	BH).
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4.	r=5')	10 75 5	No Yes No	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at be sapling – Woody plants, excluding approximately 20 ft (6 m) or more	e in height and 3 breast height (Di ng woody vines, e in height and le g woody vines,	BH).
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4. 5.	r=5')	10 75 5	No Yes No	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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)	e in height and 3 breast height (Di ng woody vines, e in height and le g woody vines, n) in height.	BH). ess
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	r=5')	10 75 5	No Yes No	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-woo	e in height and 3 breast height (Di ng woody vines, e in height and le g woody vines, n) in height. dy) plants, include	BH). ess
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	r=5')	10 75 5	No Yes No	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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)	e in height and 3 breast height (Di ng woody vines, e in height and le g woody vines, n) in height. dy) plants, inclusize, and woody	BH). ess ding
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4. 5. 6. 7. 8.	r=5')	10 75 5	No Yes No	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of	e in height and 3 breast height (Di ng woody vines, e in height and le g woody vines, n) in height. dy) plants, inclusize, and woody	BH). ess ding
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	r=5')	10 75 5	No Yes No	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4. 5. 6. 7. 8.	r=5')	10 75 5	No Yes No	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4.	r=5')	10 75 5	No Yes No	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4.	r=5')	10 75 5	No Yes No Total Cove	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4.	r=5')	10 75 5	No Yes No Total Cove	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	r=5') 50% of total cover: 45 r=30')	10 75 5 	No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	r=5') 50% of total cover:45	10 75 5 	No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4.	50% of total cover:45		No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	50% of total cover:45		No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4.	r=5') 50% of total cover: 45 r=30')		No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	r=5') 50% of total cover: 45 r=30')	10 75 5 	No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooderbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height. Woody vine – All woody vines, respectively.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	r=5') 50% of total cover:45	10 75 5 	No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height. Woody vine – All woody vines, remaining the wood	e in height and 3 breast height (Di ng woody vines, e in height and le g woody vines, n) in height. dy) plants, inclusize, and woody than approximategardless of hei	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	50% of total cover:45		No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooderbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height. Woody vine – All woody vines, respectively.	e in height and 3 breast height (Ding woody vines, a woody vines, a) in height. dy) plants, inclusize, and woody than approxima	BH). ess ding tely 3
1. Typha angustifolia 2. Phalaris arundinacea 3. Juncus effusus 4	50% of total cover:	10 75 5 5 90 20% of	No Yes No Total Cover:	OBL FACW FACW	approximately 20 ft (6 m) or more (7.6 cm) or larger in diameter at the 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-wooherbaceous vines, regardless of plants, except woody vines, less ft (1 m) in height. Woody vine – All woody vines, remaining the woody vines, remaining the woody vines of the woody vin	e in height and 3 breast height (Di ng woody vines, e in height and le g woody vines, n) in height. dy) plants, inclusize, and woody than approximategardless of hei	BH). ess ding tely 3

0-16 10YR 5/2 90 10YR 6/6 10 C M silty clay loam	Depth	Matrix			x Features	Tun a ¹	1.22	Taytura	Damadra
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ydric Soil Indicators: Histosol (A1) Histos Epipedon (A2) Histosol (B4) Hydrogen Sulfide (A3) Thin Dark Surface (S8) (MLRA 147, 148) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Depleted Matrix (F3) Thick Dark Surface (A11) Thick Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147) MLRA 147, 148) MLRA 147, 148) MLRA 147, 148) Sandy Gleyed Matrix (F2) Sandy Mucky Mineral (S1) (LRR N, MLRA 147) MLRA 147, 148) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F3) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 147) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Sandy Redox (S5) Red Parent Material (F21) (MLRA 127, 147) Depleted Bartix (S6) Setripced Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Hydric Soil Present? Yes No	(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u> .	Type ¹	Loc ²		Remarks
Histosol (A1)	0-16	101K 5/2		1018 6/6			IVI	si <u>ity ciay ioan</u>	1
Histosol (A1)							-		
Histosol (A1)									
Histosol (A1)				_					
Histosol (A1)							-	·	
Histosol (A1)									
Histosol (A1)									
Histosol (A1)									
Histosol (A1)									
Histosol (A1)									
Histosol (A1)								<u> </u>	-
Histosol (A1)									
Histosol (A1)	ype: C=C	oncentration, D=Depl	letion, RM=R	educed Matrix, MS	S=Masked	Sand Gra	ains.	² Location: Pl	L=Pore Lining, M=Matrix.
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) 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) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Depth (inches): Depth (inches): Depth (inches): Polyvalue Below Surface (S8) (MLRA 147, 148) (MLRA 147, 148) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Polyvalue Below Surface (S9) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 147, 148) No Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be present, unless disturbed or problematic. No Loast Prairie Redox (A16) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) No Loast Prairie Redox (A16) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Very Shallow Dark Surface (TF12) (MLRA 136, 147) Very Shallow Dark Surface (TF12) (MLRA 147, 148) Very Shallow Dark Surface (TF12) (MLRA 147, 148) Very Shallow Dark Surface (TF12) (MLRA 136, 147) Very Shallow Dark Surface (TF12) (MLRA 147, 148) Very Shallow Dark Surface (TF12) (MLR	ydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Black Histic (A3)	_ Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) (LRR N) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Estrictive Layer (if observed): Type: Depth (inches): Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F2) MLRA 136, 147) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Nother (Explain in Remarks) New Yery Shallow Dark Surface (TF12) Nother (Explain in Remarks) Nother (Ex	_ Histic Ep	oipedon (A2)		Polyvalue Be	low Surfac	e (S8) (N	ILRA 147	′, 148) C	coast Prairie Redox (A16)
Stratified Layers (A5) _ 2 cm Muck (A10) (LRR N) _ 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 (S6) _ Stripped Matrix (S6) _ Strictive Layer (if observed): Type: _ Depleted Matrix (F3) _ Medox Dark Surface (F6) _ Depleted Dark Surface (F7) _ Other (Explain in Remarks) _ Other							47, 148)		
2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)						2)		P	
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 (S6) Stripped Matrix (S6) Stripped Matrix (S6) Depth (inches): Depth (inches): Depth (black Surface (A12) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Welland 136, 122) Iron-Manganese Masses (F12) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 127, 147) Welland 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Iron-Manganese Masses (F12) (MLRA 148) Iro									
Thick Dark Surface (A12) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) Umbric Surface (F13) (MLRA 136, 122)			(0.4.4)		•	•			- , , , ,
Sandy Mucky Mineral (S1) (LRR N,			e (A11)					_ 0	otner (Explain in Remarks)
MLRA 147, 148) _ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5) _ Stripped Matrix (S6) Stripped Matrix (S6) Estrictive Layer (if observed): Type: Depth (inches): _ MLRA 136) _ Umbric Surface (F13) (MLRA 136, 122) _ Piedmont Floodplain Soils (F19) (MLRA 148) _ Wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No			DD N				DDN		
Sandy Gleyed Matrix (S4)			.KK N,			S (F IZ) (I	LKK N,		
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Type:		·				/II RA 13	6 122)	³ Ind	icators of hydrophytic vegetation and
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No									
Type: Hydric Soil Present? Yes No									
Type: Depth (inches):						, ,	· · ·	İ	·
Depth (inches): No									
		ches):		<u>—</u>				Hydric Soil	Present? Yes No
				_				11,70	
	emarks.								

Project/Site: Nottingham So	olar Site	City/County	_{r:} Harrison Count	У	Sampling Date: 3/16/2021
Applicant/Owner: Nottinghar				State: OH	Sampling Point: Wetland NS-
Investigator(s): P. Renner; S		Section, To			
Landform (hillslope, terrace, e					Slope (%): 2
Subregion (LRR or MLRA): <u>Ll</u>					Datum: <u>NAD83</u>
Soil Map Unit Name: Morrist			_	NWI classific	
Are climatic / hydrologic condi				If no, explain in F	
Are Vegetation, Soil	· · · · · · · · · · · · · · · · · · ·		₹	Circumstances"	
Are Vegetation, Soil	, or Hydrology	naturally problematic?	(II needed, e	xplain any answe	ers in Remarks.)
SUMMARY OF FINDIN	IGS – Attach site n	nap showing samplin	g point locatio	ns, transects	s, important features, etc.
Hydrophytic Vegetation Pres	sent? Yes	No Is th	ne Sampled Area		
Hydric Soil Present?	Yes		in a Wetland?	Yes	No
Wetland Hydrology Present?	Yes Yes	No			
Remarks:					
HYDROLOGY					
Wetland Hydrology Indicat	ors:			Secondary Indica	ators (minimum of two required)
Primary Indicators (minimum	of one is required; chec	ck all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)	_	True Aquatic Plants (B14)		Sparsely Ve	getated Concave Surface (B8)
High Water Table (A2)		Hydrogen Sulfide Odor (C1	1)	Drainage Pa	atterns (B10)
Saturation (A3)	_	Oxidized Rhizospheres on	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 T	illed Soils (C6)	Crayfish Bur	rrows (C8)
Drift Deposits (B3)		Thin Muck Surface (C7)		Saturation V	isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	_	Other (Explain in Remarks)	_	Stressed Plants (D1)
Iron Deposits (B5)			•	Geomorphic	` '
Inundation Visible on Ae				Shallow Aqu	
Water-Stained Leaves (I	B9)				aphic Relief (D4)
Aquatic Fauna (B13)				FAC-Neutra	I Test (D5)
Field Observations:		5 " "			
Surface Water Present?	Yes No No	_ Depth (inches):1			
Water Table Present?	Yes No No				
Saturation Present? (includes capillary fringe)	Yes No	_ Depth (inches):0	Wetland H	lydrology Prese	nt? Yes No
Describe Recorded Data (str	ream gauge, monitoring	well, aerial photos, previous	inspections), if ava	ilable:	
			,		
Remarks:					
T TO THE STATE OF					

Sampling	Point:	Wetland	NS-22

		Absolute	Dominant In	ndicator	Dominance Test worksheet:	
Tree Stratum (Plot size:	1=30)	% Cover	Species?	Status	Number of Dominant Species	
1					That Are OBL, FACW, or FAC: 2	(A)
2					Total Number of Dominant	
3						(B)
4					Percent of Deminent Species	
5					Percent of Dominant Species That Are OBL, FACW, or FAC: 100%	(A/B)
6						(/
			= Total Cove		Prevalence Index worksheet:	
	50% of total cover:	20% of	total cover		Total % Cover of: Multiply by:	
Sapling Stratum (Plot size:	4-1	20 /0 01	total cover		OBL species x 1 =	
· -					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					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:			_		2 - Dominance Test is >50%	
1					3 - Prevalence Index is ≤3.0 ¹	
2					4 - Morphological Adaptations ¹ (Provide supp	orting
					data in Remarks or on a separate sheet)	
3					Problematic Hydrophytic Vegetation ¹ (Explain	n)
4						
5					¹ Indicators of hydric soil and wetland hydrology m	nust
6					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,	
Herb Stratum (Plot size:	<u>r=5'</u>)				approximately 20 ft (6 m) or more in height and 3	
_{1.} Typha angustifolia		45	Yes	OBL	(7.6 cm) or larger in diameter at breast height (DE	3H).
2. Phalaris arundinacea		35	Yes	FACW	Sapling – Woody plants, excluding woody vines,	
3. Juncus effusus		15	<u>No</u>	FACW	approximately 20 ft (6 m) or more in height and le	
4. Scirpus Cyperinus		5	No	OBL	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, include	dina
8					herbaceous vines, regardless of size, and woody	
					plants, except woody vines, less than approximat	ely 3
9					ft (1 m) in height.	
10					Woody vine - All woody vines, regardless of height	ght.
11		100				
		100 :	= Total Cove	r		
	50% of total cover: 50	20% of	total cover:_	20		
Woody Vine Stratum (Plot size	e:)					
1						
2						
3						
F						
J				<u> </u>	Hydrophytic	
			= Total Cove		Vegetation Present? Yes No	
	50% of total cover:	20% of	total cover:_		169 4 140	
Remarks: (Include photo num	bers here or on a separate s	heet.)				

Depth (inches)	Matrix	<u></u> %		x Features	Type ¹	Loc²	Taxtura		Remarks	
0-16	Color (moist) 10YR 4/1	95	Color (moist) 10YR 4/4	<u>%</u> 5	C		<u>Texture</u> silty clay loan		Remarks	
0-10							Silty Clay Ioali	'		
							· 			
						-				
							·	-		
							. <u></u>			
							·			
-										
	ncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked S	Sand Gra	ins.			ng, M=Matrix.	
ydric Soil Iı									roblematic Hy	
_ Histosol (Dark Surface		(5.5) (5.5)				A10) (MLRA 14	1 7)
	ipedon (A2)		Polyvalue Be				', 148) C		Redox (A16)	
_ Black His			Thin Dark Su			47, 148)	Б	MLRA 14		T10\
	n Sulfide (A4) Layers (A5)		Loamy Gleye Depleted Mat		۷)		<u> </u>	MLRA 13)	oodplain Soils (86 147)	F 19)
	ck (A10) (LRR N)		Redox Dark S)		V	•	Dark Surface	(TF12)
	Below Dark Surface	e (A11)	Depleted Dar		•			-	in in Remarks)	
	rk Surface (A12)	,	Redox Depre					\	,	
	ucky Mineral (S1) (L	RR N,	Iron-Mangane			.RR N,				
MLRA	. 147, 148)		MLRA 130	6)						
	leyed Matrix (S4)		Umbric Surfa						ydrophytic veg	
	edox (S5)		Piedmont Flo						logy must be p	
	Matrix (S6)		Red Parent N	/laterial (F2	1) (MLR /	127, 14	7) un	ess disturb	ed or problema	atic.
estrictive L	.ayer (if observed):									
Туре:									./	
	L X						Hydric Soil	Present?	Yes _	No
Depth (inc	:nes):						•			
	:nes):									
	:nes):									
	nes):									
	nes):									
	nes):									
	nes):									
	nes):									
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	nes):									
Depth (inc	nes):									
	nes):									
	nes):									
	nes):									
	nes):									
	nes):									

Project/Site: Nottingham S	olar Site	City/Count	_{v:} Harrison Count	У	Sampling Date: 3/	′16/2021
Applicant/Owner: Nottingha			•	State: OH	Sampling Point:	Wetland NS-23
Investigator(s): P. Renner; S		Section, T				
Landform (hillslope, terrace, e					Slope	(%): 4
Subregion (LRR or MLRA): <u>L</u>			Long: <u>-81.</u>			
Soil Map Unit Name: Lowell			-	NWI classific		
Are climatic / hydrologic condi			•	If no, explain in R		
Are Vegetation, Soil _		-	- ·	Circumstances" p		No
Are Vegetation, Soil _				xplain any answe		140
Are vegetation, ooi _	, or riyurology	naturally problematic:	(II liceaea, e	Apiairi arry arrowe	is in Remarks.)	
SUMMARY OF FINDIN	IGS – Attach site n	nap showing sampli	ng point locatio	ns, transects	, important fea	tures, etc.
Hydrophytic Vegetation Pres	sent? Yes <u> </u>	No ls t	he Sampled Area	_		
Hydric Soil Present?	Yes		hin a Wetland?	Yes	No	
Wetland Hydrology Present?	? Yes <u> </u>	No				
Remarks:		<u>'</u>				
PEM wetland in reclaimed	d mineland.					
HYDROLOGY						
Wetland Hydrology Indicat	tors:			Secondary Indica	ators (minimum of tw	o 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 Su	ırface (B8)
High Water Table (A2)		Hydrogen Sulfide Odor (C		Drainage Par		
Saturation (A3)	<u> </u>	Oxidized Rhizospheres or		Moss Trim Li		
Water Marks (B1)		Presence of Reduced Iron	n (C4)	Dry-Season	Water Table (C2)	
Sediment Deposits (B2)		Recent Iron Reduction in	Tilled Soils (C6)	Crayfish Buri	rows (C8)	
Drift Deposits (B3)		Thin Muck Surface (C7)		Saturation Vi	isible on Aerial Imag	jery (C9)
Algal Mat or Crust (B4)	<u> </u>	Other (Explain in Remarks	s)		tressed Plants (D1)	
Iron Deposits (B5)				Geomorphic	Position (D2)	
Inundation Visible on A	erial Imagery (B7)			Shallow Aqui	itard (D3)	
Water-Stained Leaves ((B9)				aphic Relief (D4)	
Aquatic Fauna (B13)			•	FAC-Neutral	Test (D5)	
Field Observations:						
Surface Water Present?		Depth (inches): 6				
Water Table Present?	Yes No	Depth (inches):	_		_	
Saturation Present?	Yes No _ _	Depth (inches):	Wetland H	ydrology Preser	nt? Yes	No
(includes capillary fringe)						
Describe Recorded Data (st	ream gauge, monitoring v	well, aeriai photos, previou:	s inspections), if avai	lable:		
Remarks:						

	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: (A)
2			Total Number of Dominant
3			Species Across All Strata: (B)
4			
5			Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6			(11)
		= Total Cover	Prevalence Index worksheet:
	EOO/ of total powers		Total % Cover of: Multiply by:
0 1 0 4 (0)	4 = 1	20% of total cover:	OBL species x 1 =
Sapling Stratum (Plot size:			FACW species x 2 =
			FAC species x 3 =
2			FACU species x 4 =
3			UPL species x 5 =
4			Column Totals: (A) (B)
5			(3)
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:			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:	
Herb Stratum (Plot size:	r=5')		Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
Dl I		80 Yes FACW	(7.6 cm) or larger in diameter at breast height (DBH).
0			
2			Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
			than 3 in. (7.6 cm) DBH.
5			Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
6			approximately a to 20 it () to 0 iii) iii noight.
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			Woody vine – All woody vines, regardless of height.
11			woody vine – All woody vines, regardless of neight.
		80 _ = Total Cover	
	50% of total cover: 40	20% of total cover: 16	
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 numb			I
		,	

Depth (inches)	Matrix	<u></u> %		x Features	Type ¹	Loc²	Taxtura		Remarks	
0-16	Color (moist) 10YR 4/1	95	Color (moist) 10YR 4/4	<u>%</u> 5	C		<u>Texture</u> silty clay loan		Remarks	
0-10							Silty Clay Ioali	'		
							· ——			
						-				
							·			
							·			
							. <u></u>			
							·			
-										
	ncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked S	Sand Gra	ins.			ng, M=Matrix.	
ydric Soil Iı									roblematic Hy	
_ Histosol (Dark Surface		(5.5) (5.5)				A10) (MLRA 14	1 7)
	ipedon (A2)		Polyvalue Be				', 148) C		Redox (A16)	
_ Black His			Thin Dark Su			47, 148)	Б	MLRA 14		T10\
	n Sulfide (A4) Layers (A5)		Loamy Gleye Depleted Mat		۷)		<u> </u>	MLRA 13)	oodplain Soils (86 147)	F 19)
	ck (A10) (LRR N)		Redox Dark S)		V	•	Dark Surface	(TF12)
	Below Dark Surface	e (A11)	Depleted Dar		•			-	in in Remarks)	
	rk Surface (A12)	,	Redox Depre					\	,	
	ucky Mineral (S1) (L	RR N,	Iron-Mangane			.RR N,				
MLRA	. 147, 148)		MLRA 130	6)						
	leyed Matrix (S4)		Umbric Surfa						ydrophytic veg	
	edox (S5)		Piedmont Flo						logy must be p	
	Matrix (S6)		Red Parent N	/laterial (F2	1) (MLR /	127, 14	7) un	ess disturb	ed or problema	atic.
estrictive L	.ayer (if observed):									
Туре:									./	
	L X						Hydric Soil	Present?	Yes _	No
Depth (inc	:nes):						•			
	:nes):									
	:nes):									
	nes):									
	nes):									
	nes):									
	nes):									
	nes):									
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Depth (inc	nes):									
	nes):									
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	nes):									
	nes):									

Project/Site: Nottingham S	olar Site		City/0	County: Harrison Coun	ty	Sampling Date: 1/	'13/2021
Applicant/Owner: Nottingha				County: Harrison Coun	State: OH	Sampling Point:	Upland NS-1
Investigator(s): P. Renner; N							
Landform (hillslope, terrace, e							(%): 1
Subregion (LRR or MLRA): L				Long: <u>-81</u>			
Soil Map Unit Name: Morrist							
Are climatic / hydrologic condi				_			
Are Vegetation, Soil _						present? Yes	No
Are Vegetation, Soil _					explain any answe		140
Are vegetation, Soil _	, or riyu	irology	naturally problem	ialic: (Il fieeded,	explain any answe	as in Remarks.)	
SUMMARY OF FINDIN	IGS – Atta	ch site m	nap showing sar	mpling point location	ons, transects	s, important fea	tures, etc.
Hydrophytic Vegetation Pres	sent?	Yes	No 🗸	In the Commission Area			
Hydric Soil Present?	,0111.	Yes	No	Is the Sampled Area within a Wetland?	Yes	No	
Wetland Hydrology Present?	?	Yes	No No				
Remarks:	'						
Non-wetland data point c	orrespondin	g to Wetl:	and NS-1				
'	•	O					
HYDROLOGY							
Wetland Hydrology Indicat	tors:				Secondary Indica	ators (minimum of tw	o required)
Primary Indicators (minimum		uired: checl	k all that apply)		Surface Soil		
Surface Water (A1)			True Aquatic Plants	(B14)		getated Concave Su	rface (B8)
High Water Table (A2)			Hydrogen Sulfide Oc		Drainage Pa		11400 (20)
Saturation (A3)				res on Living Roots (C3)			
Water Marks (B1)			Presence of Reduce			Water Table (C2)	
Sediment Deposits (B2)				on in Tilled Soils (C6)	Crayfish Bur		
Drift Deposits (B3)			Thin Muck Surface (isible on Aerial Imag	iery (C9)
Algal Mat or Crust (B4)			Other (Explain in Re			tressed Plants (D1)	, (,
Iron Deposits (B5)			(,	Geomorphic		
Inundation Visible on A	erial Imagery (B7)			Shallow Aqu		
Water-Stained Leaves (/			Microtopogra		
Aquatic Fauna (B13)	/				FAC-Neutral		
Field Observations:						()	
Surface Water Present?	Yes	No.	Depth (inches):				
Water Table Present?	Yes						
Saturation Present?	Yes		Depth (inches):		- Hydrology Presei	nt? Yes	No
(includes capillary fringe)	103	110			Tydrology i reser	it: 103	
Describe Recorded Data (st	ream gauge, r	monitoring v	vell, aerial photos, pro	evious inspections), if ava	ailable:		
Remarks:							

VEGETATION (Five Strata) – Use scientific names of plants.

	20!	Absolute	Dominant I	ndicator	Dominance Test worksheet:
Tree Stratum (Plot size:	r=30'	% Cover	Species?	Status	Number of Dominant Species
1					That Are OBL, FACW, or FAC:0 (A)
2					Total Number of Dominant
3					Species Across All Strata: 2 (B)
4					Percent of Deminant Species
5					Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
_					
			= Total Cove	r	Prevalence Index worksheet:
	50% of total cover:	20% of	total cover:		Total % Cover of: Multiply by: OBL species 0 x 1 = 0
Sapling Stratum (Plot size:			_		OBE species X1=
1					1 ACV species X Z =
2					FAC species x 3 = 0
3					FACU species 90 x 4 = 360
					UPL species 0 x 5 = 0
					Column Totals:90 (A)360 (B)
5 6.					Prevalence Index = B/A = 4.00
0			= Total Cove		Trevalence mack Birt
					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%
·				<u>FACU</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					residentation yarophytic vegetation (Explain)
5					¹ Indicators of hydric soil and wetland hydrology must
6					be present, unless disturbed or problematic.
		60	= Total Cove	er	Definitions of Five Vegetation Strata:
	50% of total cover:	30 20% of	total cover:	12	
Herb Stratum (Plot size:			_		Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
1. Verbascum thapsus	,	30	Yes	FACU	(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
					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
•					plants, except woody vines, less than approximately 3
10					ft (1 m) in height.
11.					Woody vine - All woody vines, regardless of height.
· · · · · · · · · · · · · · · · · · ·			= Total Cove		
	50% of total cover:1	L5 20% of	total cover:_	6	
Woody Vine Stratum (Plot s	ize: <u>r=30'</u>)				
1					
2					
3					
4					
5					Hydrophytic
			= Total Cove	er	Vegetation
	50% of total cover:	20% of	total cover:		Present? Yes No
					The state of the s

(in alr)	Matrix		Redox Features		Demond.
nches)	Color (moist)	<u>%</u>	Color (moist) % Type ¹ L	oc² Textu	
0-16	10YR 5/4			clay	
		· — — —			
					
		letter DM D	De duce of Matrice MC Market Count Count	21 1: -	as Di Dana Linian M Matrix
		letion, RM=R	educed Matrix, MS=Masked Sand Grains		n: PL=Pore Lining, M=Matrix. ndicators for Problematic Hydric Soils ³ :
ydric Soil I			D 1 0 ((07)	<u>"</u>	·
_ Histosol			Dark Surface (S7)	-	2 cm Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Below Surface (S8) (MLR.		Coast Prairie Redox (A16)
_ Black His			Thin Dark Surface (S9) (MLRA 147,	140)	(MLRA 147, 148) Piedmont Floodplain Soils (F19)
	n Sulfide (A4) Layers (A5)		Loamy Gleyed Matrix (F2)Depleted Matrix (F3)	_	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dark Surface (F7)	_	Other (Explain in Remarks)
	rk Surface (A12)	0 (/ (1 1)	Redox Depressions (F8)	_	Caror (Explain in Normanic)
	ucky Mineral (S1) (L	RR N.	Iron-Manganese Masses (F12) (LRR	R.N.	
	147, 148)	,	MLRA 136)	,	
	leyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 1	22)	³ Indicators of hydrophytic vegetation and
	edox (S5)		Piedmont Floodplain Soils (F19) (ML		wetland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLRA 12		unless disturbed or problematic.
Restrictive L	ayer (if observed):				
Type:					•
				Hydric	Soil Present? Yes No
Depth (inc	ches):		_	,	
	ches):				
	ches):				
	:hes):				
	ches):				
Depth (inc	ches):				
	ches):				

Project/Site: Nottingham S	olar Site		Citv/0	County: Harrison Co	ounty	Sampling Date: 1/13	/2021
Applicant/Owner: Nottingha		:			State: OH	_ Sampling Date: 1/13, Sampling Point: Ur	oland NS-
Investigator(s): P. Renner; N							
Landform (hillslope, terrace, e)· 7
Subregion (LRR or MLRA): L							
Soil Map Unit Name: Morrist							1005
				_			
Are climatic / hydrologic condi				-			NI.
Are Vegetation, Soil _						present? Yes	NO
Are Vegetation, Soil _	, or Hy	drology	naturally problem	atic? (If neede	ed, explain any answe	ers in Remarks.)	
SUMMARY OF FINDIN	IGS – Atta	ach site	map showing san	npling point loca	ations, transects	s, important featur	es, etc.
Hydrophytic Vegetation Pres	sent?	Yes	No	Is the Sampled Ar			
Hydric Soil Present?		Yes	No_	Is the Sampled Are within a Wetland?	ea Yes	No	
Wetland Hydrology Present?	?	Yes	No No				
Remarks:			<u> </u>				
Non-wetland data point c	orrespondi	ng to We	tland NS-2				
HYDROLOGY							
Wetland Hydrology Indicat	tors:				Secondary Indica	ators (minimum of two re	equired)
Primary Indicators (minimum		quired; che	ck all that apply)		Surface Soil		
Surface Water (A1)			_ True Aquatic Plants	(B14)		getated Concave Surfac	ce (B8)
High Water Table (A2)			_ Hydrogen Sulfide Oc		Drainage Pa		()
Saturation (A3)			Oxidized Rhizospher				
Water Marks (B1)			Presence of Reduce			Water Table (C2)	
Sediment Deposits (B2))		Recent Iron Reduction				
Drift Deposits (B3)			Thin Muck Surface (isible on Aerial Imagery	(C9)
Algal Mat or Crust (B4)			_ Other (Explain in Re			Stressed Plants (D1)	(/
Iron Deposits (B5)		_		,		Position (D2)	
Inundation Visible on Ae	erial Imagery	(B7)			Shallow Aqu		
Water-Stained Leaves (()				aphic Relief (D4)	
Aquatic Fauna (B13)					FAC-Neutra		
Field Observations:							
Surface Water Present?	Vas	No.	Depth (inches):				
Water Table Present?		No V					
			Depth (inches):		ad Handrada and Bonara	40 V N-	✓
Saturation Present? (includes capillary fringe)	res	No	Depth (Inches):	vvetiar	nd Hydrology Prese	nt? Yes No	
Describe Recorded Data (str	ream gauge,	monitoring	ı well, aerial photos, pre	evious inspections), if	available:		
Remarks:							

VEGETATION (Five Strata) – Use scientific names of plants.

EGETATION (Five Str		Absolute Dominant Indicator	Sampling Point: Upland NS-2 Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u> <u>Species?</u> <u>Status</u>	Number of Dominant Species
 1			That Are OBL, FACW, or FAC:0 (A)
2			
3			Total Number of Dominant Species Across All Strata: 1 (B)
			Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
			That Ale OBL, I AGW, OF I AC.
		= Total Cover	Prevalence Index worksheet:
	EOO/ of total powers		Total % Cover of: Multiply by:
Sapling Stratum (Plot size:	4 = 1	20% of total cover:	OBL species0 x 1 =0
`			FACW species0 x 2 =0
1			FAC species0 x 3 =0
2			FACU species0 x 4 =0
3			UPL species90 x 5 =450
4			Column Totals:90 (A)450 (B)
			F 00
6			Prevalence Index = B/A = 5.00
		= Total Cover	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 (Provide supporting
3			data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation ¹ (Explain)
5			1
_			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		= Total Cover	Definitions of Five Vegetation Strata:
	50% of total cover:	20% of total cover:	Definitions of Five vegetation Strata.
Herb Stratum (Plot size:	·	20 % Of total cover	Tree – Woody plants, excluding woody vines,
1. Setaria faberi		90 Yes UPL	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
3.			Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
			than 3 in. (7.6 cm) DBH.
-			Charle Washington and discount discount
			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
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			, , , ,
		<u>90</u> = Total Cover	
	50% of total cover:	15 20% of total cover: 18	
Woody Vine Stratum (Plot si	ze: <u>r=30'</u>)		
1			
2			
3			
4			
5			
		= Total Cover	Hydrophytic Vegetation
	50% of total cover:	20% of total cover:	Present? Yes No No
	JU 70 ULTUTAL COVEL.	ZU /N ULIUIALGUVEL.	

Remarks
A . N.4 - 4 - 1 - 1
M=Matrix. ematic Hydric Soils ³
-
(MLRA 147)
dox (A16)
48) Jain Saila (E10)
lain Soils (F19) 47)
rk Surface (TF12)
Remarks)
(Ciriano)
phytic vegetation and
must be present,
r problematic.
·
es No_ _

Project/Site: Nottingham S	olar Site	City/0	County: Harrison Coun	ty Sa	ampling Date: <u>1/13/2021</u>
	ner: Nottingham Solar LLC			State: OH	Sampling Point: Upland NS-
		Section, Township, Range:			
Landform (hillslope, terrace, e					
Subregion (LRR or MLRA): L					
Soil Map Unit Name: Morrist			_		
Are climatic / hydrologic cond					
Are Vegetation, Soil _			-	l Circumstances" pres	•
Are Vegetation, Soil _				explain any answers i	
Are vegetation, 30ii _	, or rivarology	naturally problem	auc: (II lieeded, e	explain any answers ii	ir Kelliaiks.)
SUMMARY OF FINDIN	IGS – Attach site r	nap showing san	npling point location	ons, transects, ir	mportant features, etc.
Hydrophytic Vegetation Pres	sent? Yes	No 🗸	Is the Sampled Area		
Hydric Soil Present?	Yes		within a Wetland?	Yes	No
Wetland Hydrology Present?					
Remarks:					
Non-wetland data point c					
HYDROLOGY					
Wetland Hydrology Indica	tors:			Secondary Indicators	s (minimum of two required)
Primary Indicators (minimum	n of one is required; chec	ck all that apply)		Surface Soil Cra	ncks (B6)
Surface Water (A1)	_	True Aquatic Plants	(B14)	Sparsely Vegeta	ated Concave Surface (B8)
High Water Table (A2)	_	Hydrogen Sulfide Oc	lor (C1)	Drainage Patter	ns (B10)
Saturation (A3)	_	Oxidized Rhizospher	res on Living Roots (C3)	Moss Trim Lines	s (B16)
Water Marks (B1)	_	Presence of Reduce	d Iron (C4)	Dry-Season Wa	ter Table (C2)
Sediment Deposits (B2)		Recent Iron Reduction	on in Tilled Soils (C6)	Crayfish Burrow	s (C8)
Drift Deposits (B3)	<u> </u>	Thin Muck Surface (C7)	Saturation Visible	e on Aerial Imagery (C9)
Algal Mat or Crust (B4)	_	Other (Explain in Re	marks)	Stunted or Stres	
Iron Deposits (B5)				Geomorphic Pos	
Inundation Visible on A				Shallow Aquitare	
Water-Stained Leaves ((B9)			Microtopographi	
Aquatic Fauna (B13)				FAC-Neutral Te	st (D5)
Field Observations:					
Surface Water Present?		Depth (inches):			
Water Table Present?		Depth (inches):			
Saturation Present? (includes capillary fringe)	Yes No _	_ Depth (inches):	Wetland F	Hydrology Present?	Yes No
Describe Recorded Data (st	ream gauge, monitoring	well, aerial photos, pre	evious inspections), if ava	ailable:	
·					
Remarks:					
Tromaine.					
					l

VEGETATION (Five Strata) – Use scientific names of plants.

EGETATION (Five Str		Absolute	Dominant Indicator	Sampling Point: Upland NS-3 Dominance Test worksheet:
Tree Stratum (Plot size:	r=30')		Species? Status	Number of Dominant Species
				That Are OBL, FACW, or FAC: 0 (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: (A/B)
6				
		:	= Total Cover	Prevalence Index worksheet:
	50% of total cover:	20% of	total cover:	
Sapling Stratum (Plot size: _				OBE species X1=
1				1 ACV species X Z =
2				1 AO species
3				FACU species 0 x 4 = 0
				UPL species 100 x 5 = 500
5				Column Totals:(A)(B)
6				Prevalence Index = B/A = 5.00
0			= Total Cover	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
	50% of total cover:	20% of	total cover:	
Shrub Stratum (Plot size:	<u>r=15'</u>)			2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
2				4 - Morphological Adaptations ¹ (Provide supporting 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:	Too Manda de la transcription de la transcription
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.} Setaria faberi		100	Yes UPL	(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
•				plants, except woody vines, less than approximately 3 ft (1 m) in height.
10				it (1 iii) iii noigiit.
11.				Woody vine – All woody vines, regardless of height.
		100	= Total Cover	
	FOO/ of total covers			
Mandy Vina Chartery (Distrat	50% of total cover:	20% 01	total cover	
Woody Vine Stratum (Plot si.				
_				
0				
5				Hydrophytic
		:	= Total Cover	Vegetation Present? Yes No
	50% of total cover:	200/ -4	total sover	Present? Yes No

Depth (inches)	Matrix	<u></u> %	Redox Features	Loc ² T	Fexture Remarks
inches)	Color (moist)		Color (moist) % Type ¹		
0-16	10YR 6/4			Silty	clay loam
				· 	
				·	
				· ——	
				·	
				· -	
		Jatian DM D	and the second Market MO. Market and Oarest Or	21	and an Di Dana Lining M. Madain
		oletion, RM=Re	educed Matrix, MS=Masked Sand Gr	ains. Lo	ocation: PL=Pore Lining, M=Matrix.
lydric Soil					Indicators for Problematic Hydric Soi
Histosol			Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (N		
Black Hi			Thin Dark Surface (S9) (MLRA 1	147, 148)	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	d Layers (A5) ick (A10) (LRR N)		Depleted Matrix (F3)Redox Dark Surface (F6)		(MLRA 136, 147) Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	ο (Λ11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)
	ark Surface (A12)	e (ATT)	Redox Depressions (F8)		Other (Explain in Remarks)
	lucky Mineral (S1) (I	I RR N	Iron-Manganese Masses (F12) (I RR N	
	147, 148)	LIKIK IV,	MLRA 136)	LIXIX IV,	
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 13	16 122)	³ Indicators of hydrophytic vegetation a
	ledox (S5)		Piedmont Floodplain Soils (F19)		wetland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLR		unless disturbed or problematic.
	_ayer (if observed):	<u> </u>			anneed aretained or problematic.
Type:	, (,	-			
	ah a a \.		-	115	ydric Soil Present? Yes No _
	ches):		-	רח	ydric Soil Present? Yes No _
temarks:					

Project/Site: Nottingham S	olar Site		City	County: Ha	rrison Count	ty	Sampling Date:	1/12/2021
Applicant/Owner: Nottinghar			City	, ocamy:		State: OH	Sampling Poir	 nt: Upland NS-
Investigator(s): P. Renner; N								· · · · · · · · · · · · · · · · · · ·
Landform (hillslope, terrace, e								ne (%): 3
Subregion (LRR or MLRA): L								
Soil Map Unit Name: Morrist								
Are climatic / hydrologic condi				_				
Are Vegetation, Soil				-			present? Yes	No
Are Vegetation, Soil _							ers in Remarks.)	
7 lie Vegetation, con	, or riyu	Tology	natarany problem	natio:	(II riccaca, c	Apidin driy driow	ers in remarks.)	
SUMMARY OF FINDIN	GS – Atta	ch site r	map showing sa	mpling po	oint locatio	ns, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Pres	sent?	Yes	No	Is the Sa	mpled Area		_	
Hydric Soil Present?		Yes	No		Wetland?	Yes	No	_
Wetland Hydrology Present?	,	Yes	No No					
Remarks:								
Non-wetland data point c	orrespondin	g to Wet	land NS-4					
·	•	Ü						
HYDROLOGY								
Wetland Hydrology Indicat	ors:					Secondary Indic	ators (minimum of	two required)
Primary Indicators (minimum	of one is req	uired; che	ck all that apply)			Surface Soi		
Surface Water (A1)			_ True Aquatic Plants	s (B14)			egetated Concave	Surface (B8)
High Water Table (A2)			_ Hydrogen Sulfide C			Drainage Pa	atterns (B10)	
Saturation (A3)			Oxidized Rhizospho		g Roots (C3)	Moss Trim I		
Water Marks (B1)			Presence of Reduc				Water Table (C2)	
Sediment Deposits (B2)			Recent Iron Reduct		Soils (C6)	Crayfish Bu		
Drift Deposits (B3)		_	_ Thin Muck Surface				/isible on Aerial I m	
Algal Mat or Crust (B4)		-	Other (Explain in R	emarks)			Stressed Plants (D	1)
Iron Deposits (B5)		D.7.\					Position (D2)	
Inundation Visible on Ae		B7)				Shallow Aqu		
Water-Stained Leaves (89)						raphic Relief (D4)	
Aquatic Fauna (B13)						FAC-Neutra	ar rest (D5)	
Field Observations:			,					
Surface Water Present?		4	Depth (inches):					
Water Table Present?	Yes		Depth (inches):					No _
Saturation Present? (includes capillary fringe)	Yes	No 🗸	_ Depth (inches):		Wetland F	lydrology Prese	nt? Yes	No
Describe Recorded Data (str	eam gauge, r	nonitoring	well, aerial photos, p	revious inspe	ections), if ava	ilable:		
Remarks:								

/EGETATION (Five Str	ata) – Us	e scientific	names of p	lants.		Sampling Point: Upland NS-4
	r=30'			Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:1)	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
2 3						Total Number of Dominant Species Across All Strata: 1 (B)
4						(B)
5						Percent of Dominant Species That Are OBL, FACW, or FAC:0% (A/B)
6						Prevalence Index worksheet:
			=	Total Cov	er	Total % Cover of: Multiply by:
	50% of t	otal cover:	20% of	otal cover:		OBL species 0 x 1 = 0
Sapling Stratum (Plot size: _	r=15')				FACW species 0 x 2 = 0
1						FAC species 0 x 3 = 0
2						FACU species 15 x 4 = 60
3						UPL species <u>85</u> x 5 = 425
4						Column Totals: 100 (A) 485 (B)
5						(r)(B)
6						Prevalence Index = B/A = 4.85
			=	Total Cov	er	Hydrophytic Vegetation Indicators:
	50% of t	otal cover:	20% of	otal 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 data in Remarks or on a separate sheet)
3						Problematic Hydrophytic Vegetation¹ (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:
		otal cover:	20% of	otal cover:		Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:	r=5')				approximately 20 ft (6 m) or more in height and 3 in.
1. Setaria faberi			85	<u>Yes</u>	UPL	(7.6 cm) or larger in diameter at breast height (DBH).
2. Cirsium arvense			_ 5	No	<u>FACU</u>	Sapling – Woody plants, excluding woody vines,
3. Symphyotrichum ericoi	des			<u>No</u>	<u>FACU</u>	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
4						than 3 m. (7.0 cm) DBM.
5						Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
6						approximately 3 to 20 ft (1 to 6 m) in fleight.
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						Woody vine – All woody vines, regardless of height.
11			100			
				Total Cov		
		otal cover:	50 20% of t	otal cover:	20	
Woody Vine Stratum (Plot size	ze: <u>r=</u>	: <u>30'</u>)				
1						
2						
3						
4						
5						Hydrophytic
			=	Total Cov	er	Vegetation
	50% of t	otal cover:	20% of	otal cover:		Present? Yes No
Remarks: (Include photo nur	nbers here	or on a separat	e sheet.)			

Depth	Matrix		Redox Features	Loc ² 1	Texture Remarks	
inches)	Color (moist)		Color (moist) % Type ¹			
0-16	10YR 5/3			Silty	clay loam	
		<u> </u>				
	-					
	-					
ype: C=Co	oncentration, D=Dep	letion, RM=R	educed Matrix, MS=Masked Sand Gra	ains. ² Lo	ocation: PL=Pore Lining, M=Matrix.	
	Indicators:	,	,		Indicators for Problematic Hydric So	oils³:
_ Histosol	(A1)		Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)	
	pipedon (A2)		Polyvalue Below Surface (S8) (M	LRA 147, 148		
Black Hi			Thin Dark Surface (S9) (MLRA 1		(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)	•	Piedmont Floodplain Soils (F19)	
_ Stratified	l Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)	
_ 2 cm Mu	ck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12	2)
	d Below Dark Surfac	e (A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)	
	ark Surface (A12)		Redox Depressions (F8)			
	lucky Mineral (S1) (I	LRR N,	Iron-Manganese Masses (F12) (L	₋RR N,		
	147, 148)		MLRA 136)		3	
	Sleyed Matrix (S4)		Umbric Surface (F13) (MLRA 13)		³ Indicators of hydrophytic vegetation	
	tedox (S5)		Piedmont Floodplain Soils (F19)		wetland hydrology must be present	t,
	Matrix (S6)	_	Red Parent Material (F21) (MLR/	4 127, 147)	unless disturbed or problematic.	
	_ayer (if observed):	1				
Type:			_			1
Depth (in	ches):		_	l H	ydric Soil Present? Yes No _	
temarks:						

Project/Site: Nottingham S	olar Site		Citv/0	County: Harrison Co	unty	Sampling Date: 1	/12/2021
Applicant/Owner: Nottingha		:	City/0		State: OH	Sampling Point:	Upland NS-
Investigator(s): P. Renner; N							
Landform (hillslope, terrace, e							(%). 9
Subregion (LRR or MLRA): L							
Soil Map Unit Name: Morrist							IVADOS
Are climatic / hydrologic condi				_			
				-			P No.
Are Vegetation, Soil _					mal Circumstances" լ 		NO
Are Vegetation, Soil _	, or Hy	drology	naturally problem	atic? (If neede	d, explain any answe	ers in Remarks.)	
SUMMARY OF FINDIN	IGS – Atta	ach site	map showing san	npling point loca	tions, transects	s, important fea	ıtures, etc.
Hydrophytic Vegetation Pres	sent?	Yes	No	Is the Sampled Are			
Hydric Soil Present?		Yes	No_	Is the Sampled Are within a Wetland?	Yes	No	
Wetland Hydrology Present?	?	Yes	No No				
Remarks:			<u> </u>				
Non-wetland data point c	orrespondi	ng to We	tland NS-5				
HYDROLOGY							
Wetland Hydrology Indicat	tors:				Secondary Indica	ators (minimum of tv	vo required)
Primary Indicators (minimum	າ of one is re	quired; che	ck all that apply)		Surface Soil	Cracks (B6)	
Surface Water (A1)			_ True Aquatic Plants	(B14)		getated Concave Su	urface (B8)
High Water Table (A2)			_ Hydrogen Sulfide Oc		Drainage Pa		` ′
Saturation (A3)			Oxidized Rhizospher				
Water Marks (B1)			Presence of Reduce			Water Table (C2)	
Sediment Deposits (B2))		_ Recent Iron Reduction		Crayfish Bur		
Drift Deposits (B3)			_ Thin Muck Surface (C7)		isible on Aerial Imag	gery (C9)
Algal Mat or Crust (B4)			_ Other (Explain in Re			tressed Plants (D1)	
Iron Deposits (B5)						Position (D2)	
Inundation Visible on Ae	erial Imagery	(B7)			Shallow Aqu		
Water-Stained Leaves (, ,				aphic Relief (D4)	
Aquatic Fauna (B13)	,				FAC-Neutral		
Field Observations:							
Surface Water Present?	Yes	No.	Depth (inches):				
Water Table Present?		No V					
Saturation Present?			Depth (inches):		d Hydrology Preser	at? Vac	No
(includes capillary fringe)	165	140	Deptil (iliches)	vvetian	a riyarology Fresei	it: 165	NO
Describe Recorded Data (st	ream gauge,	monitoring	ı well, aerial photos, pre	evious inspections), if	available:		
Remarks:							

/EGETATION (Five Str	ata) – Use sc	ientific names	of	plants.		Sampling Point: Upland NS-5		
Tree Stratum (Plot size:	r=30' ,	Absolu % Co		Dominant Species?		Dominance Test worksheet:		
1	, ,		ver	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: (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: (A/B)		
6						Prevalence Index worksheet:		
			= Total Cover			Total % Cover of: Multiply by:		
0 " 0' ((Di-t-:	_	cover: 20%	% of	total cover:		OBL species0 x 1 =0		
Sapling Stratum (Plot size:		_)				FACW species0 x 2 =0		
1						FAC species0 x 3 =0		
2						FACU species5 x 4 =20		
3 4						UPL species 95 x 5 = 475		
5						Column Totals:100 (A)495 (B)		
6					-	Prevalence Index = B/A = 4.95		
<u> </u>				= Total Cov	er	Hydrophytic Vegetation Indicators:		
	50% of total c	cover: 20%				1 - Rapid Test for Hydrophytic Vegetation		
Shrub Stratum (Plot size:			/0 U.	luiai cover.		2 - Dominance Test is >50%		
		/ 				3 - Prevalence Index is ≤3.0 ¹		
2						4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
3						Problematic Hydrophytic Vegetation¹ (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:		
·· · · · · · /DI · ·		over: 20%	20% of total cover:			Tree – Woody plants, excluding woody vines,		
Herb Stratum (Plot size:)	95	:	Yes	UPL	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).		
2 Cirsium arvense		<u></u>		No	FACU			
3.			—		1700	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less		
				-	-	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 3 ft (1 m) in height.		
10								
11						Woody vine – All woody vines, regardless of height.		
		100	0	= Total Cov	er			
	50% of total c	cover: <u>50</u> 20%	% of	total cover:	20			
Woody Vine Stratum (Plot size	ze:r=30')						
1								
2								
3								
4								
5						Hydrophytic		
			= Total Cover		er	Vegetation		
	50% of total c	cover: 20%	% of	total cover:		Present? Yes No		
Remarks: (Include photo nun	nbers here or on	a separate sheet.)				1		

Depth	Matrix		Redox Features	Loc ² To	exture Remarks
inches)	Color (moist)		Color (moist) % Type ¹		
0-16	10YR 5/3			SIITY C	clay loam
		<u> </u>			
ype: C=Co	oncentration, D=Dep	letion, RM=R	educed Matrix, MS=Masked Sand Gra	ins. ² Loc	cation: PL=Pore Lining, M=Matrix.
	Indicators:	,	,		Indicators for Problematic Hydric Soils
_ Histosol	(A1)		Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Below Surface (S8) (M	LRA 147, 148)	
Black Hi			Thin Dark Surface (S9) (MLRA 14		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)	•	Piedmont Floodplain Soils (F19)
_ Stratified	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
_ 2 cm Mu	ıck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)
	ark Surface (A12)		Redox Depressions (F8)		
	lucky Mineral (S1) (I	LRR N,	Iron-Manganese Masses (F12) (L	RR N,	
	\ 147, 148)		MLRA 136)		3
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136		³ Indicators of hydrophytic vegetation ar
	Redox (S5)		Piedmont Floodplain Soils (F19) (wetland hydrology must be present,
	Matrix (S6)	_	Red Parent Material (F21) (MLRA	3 127, 147)	unless disturbed or problematic.
	_ayer (if observed):	1			
Type:			_		
Depth (in	ches):		_	Ну	ydric Soil Present? Yes No
temarks:					