Photograph Page

Wetland ID W-JM25-PFO Cowardin Code PFO Date 03/01/21



Photograph Number 709

Photograph Direction SE

Comments:



Photograph Number 710

Photograph Direction East

Comments:

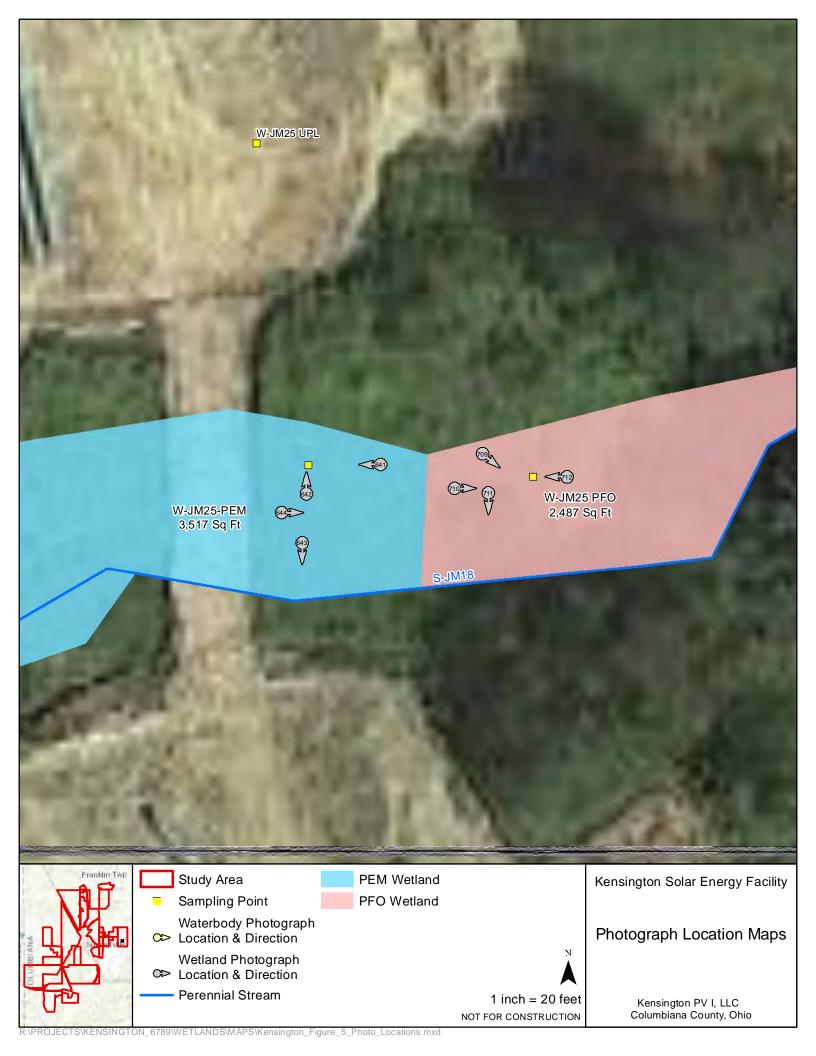


Photograph Number 711
Photograph Direction South

Comments:



Photograph Number 712
Photograph Direction West



Project/Site: Kensington	City/C	ountv: Columbiana	Sampling Date: 03/01/21		
Applicant/Owner: Kensington PV I, LLC		State: OH			
	Section				
Landform (hillslope, terrace, etc.): Gentle Hillsle	ope Local roli	of (concave, convex, non	Linear Slope (%): 5-8%		
Subregion (LRR or MLRA): LRRN			867619 NAD 83		
	lat: 40.001442	Long:	Datum: N/A		
Soil Map Unit Name: BkD: Berks channery s			-		
Are climatic / hydrologic conditions on the site typic					
Are Vegetation, Soil, or Hydrology _	significantly disturb	ped? Are "Normal	Circumstances" present? Yes No		
Are Vegetation, Soil, or Hydrology _	naturally problema	itic? (If needed, e	xplain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site	e map showing sam	pling point locatio	ns, transects, important features, etc.		
Hadronkaria Vanataria a Barando	N: V				
	No	Is the Sampled Area	.1		
Wetland Hydrology Present? Yes	No V	within a Wetland?	Yes No		
B .		Matar Turas			
Remarks: Cowardin Code: UPLAND	HGM:	Water Type:			
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; c	heck all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	True Aquatic Plants (I	B14)	Sparsely Vegetated Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Odd	or (C1)	Drainage Patterns (B10)		
Saturation (A3)	Oxidized Rhizosphere	es on Living Roots (C3)	Moss Trim Lines (B16)		
Water Marks (B1)	Presence of Reduced	Iron (C4)	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Recent Iron Reduction	n in Tilled Soils (C6)	C6) Crayfish Burrows (C8)		
Drift Deposits (B3)	Thin Muck Surface (C	37)	Saturation Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Other (Explain in Ren	narks)	Stunted or Stressed Plants (D1)		
Iron Deposits (B5)			Geomorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)		
Water-Stained Leaves (B9)			Microtopographic Relief (D4)		
Aquatic Fauna (B13)			FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes No	Depth (inches):				
Water Table Present? Yes No	Depth (inches):				
	Depth (inches):	Wetland H	ydrology Present? Yes No		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitori	ng well, aerial photos, pre	vious inspections) if avai	ilable:		
Describe Recorded Data (stream gauge, montern	ng wen, denai priotos, pre	vious inspessions), ii uvui	idolo.		
Remarks:					

Sampling Point: W-JM25-UPL

30'	Absolute	Dominant		Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	0	
1				That Are OBL, FACW, or FAC:		(A)
2				Total Number of Dominant		
3				Species Across All Strata:	2	(B)
4				Percent of Dominant Species		
5				That Are OBL, FACW, or FAC:	0%	(A/B)
6					-	. (
7				Prevalence Index worksheet:		
	0 :	= Total Cov	er	Total % Cover of:	Multiply by:	
50% of total cover:0				OBL species x	1 =	_
Sapling/Shrub Stratum (Plot size: 15')				FACW species x	2 =	_
1				FAC species x		
				FACU species x		
2				UPL species x		
3				Column Totals: (A		
4				Column Totals (A	·)	(D)
5				Prevalence Index = B/A =	:	
6				Hydrophytic Vegetation Indica		
7				1 - Rapid Test for Hydrophy		
8				2 - Dominance Test is >50%	•	
9						
	0 :	= Total Cov	er	3 - Prevalence Index is ≤3.0		
50% of total cover: 0		total cover:		4 - Morphological Adaptatio		-
Herb Stratum (Plot size: 5')				data in Remarks or on a	• •	
1 Phleum pratense	45	✓	FACU	Problematic Hydrophytic Ve	getation¹ (Expla	ain)
2 Dactylis glomerata	30		FACU			
3 Achillea millefolium	10		FACU	¹ Indicators of hydric soil and we		must
4 Plantago major	5	-	FACU	be present, unless disturbed or	problematic.	
5 Taraxacum officinale	 5			Definitions of Four Vegetation	Strata:	
0	 5		FACU UPL	Tree – Woody plants, excluding	vines 3 in (76	cm) or
6. Daucus carota	<u> </u>		<u> </u>	more in diameter at breast heigh		
7				height.	,, ,,	
8				Sapling/Shrub – Woody plants,	ovaludina vinor	loop
9				than 3 in. DBH and greater than		
10				m) tall.	•	`
11.				Horb All borboscous (non wos	ody) planta roge	ordloog
	100	= Total Cov		Herb – All herbaceous (non-wood of size, and woody plants less the	bay) plants, rega	ardiess
50% of total cover: 50		total cover:	~~			
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines (greater than 3.28	8 ft in
1				height.		
2						
2						
3						
4		-		Hydrophytic		
5				Vegetation		
_		= Total Cov	_	Present? Yes	No	
50% of total cover:0	20% of	total cover:	0			
Remarks: (Include photo numbers here or on a separate sl	neet.)			1		

Profile Des	cription: (Describe	to the dept	h needed to docu	ment the i	indicator	or confirm	the absence	e of indicators.)
Depth	Matrix			ox Feature		. 2		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture SICL	Remarks
0-10	10YR 4/4	100						
10-15	10YR 5/4	100					SIC	
-								
	-							
	-			· ——				
1							2	· ·
	concentration, D=Dep	letion, RM=	Reduced Matrix, M	IS=Masked	d Sand Gra	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil			D 10 ((07)				cators for Problematic Hydric Soils ³ :
Histoso	ı (A1) pipedon (A2)		Dark Surface Polyvalue Be		00 (CO) (N	II D A 1 <i>1</i> 7		2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16)
	istic (A3)		Polyvalue Bi				146)	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley			71, 170)		Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		/			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	, ,	- 6)			Very Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	e (A11)	Depleted Da	rk Surface	(F7)			Other (Explain in Remarks)
	ark Surface (A12)		Redox Depr					
	Mucky Mineral (S1) (L	.RR N,	Iron-Mangar		es (F12) (I	LRR N,		
	A 147, 148)		MLRA 13		(MIL DA 40	0.400\	3, .	Parton of budger by Carra and Carra and
	Gleyed Matrix (S4) Redox (S5)		Umbric Surfa					dicators of hydrophytic vegetation and retland hydrology must be present,
-	d Matrix (S6)		Red Parent					nless disturbed or problematic.
	Layer (if observed):		Red Falcin	iviatoriai (i	ZI) (MZIX.	A 121, 141	, u	mess distarbed of problematic.
Type:	, (
	iches):						Hydric So	il Present? Yes No
Remarks:							,	
rtomanto.								

Project/Site: Kensington	City/C	ounty: Columbiana	Sampling Date: 03/01/21		
Applicant/Owner: Kensington PV I, LLC		State: OH			
Investigator(s): JMM, KMP	Section				
Landform (hillslope, terrace, etc.): Hillslope	Local reli	ef (concave, convex, non	e): Concave Slope (%): 2-5		
Subregion (LRR or MLRA): LRRN			869111 Datum: NAD 83		
Soil Map Unit Name: GuC2: Guernsey silt Io					
Are climatic / hydrologic conditions on the site typi					
Are Vegetation, Soil, or Hydrology					
Are Vegetation, Soil, or Hydrology			xplain any answers in Remarks.)		
SUMMART OF FINDINGS – Attach Si	e map snowing sam	ipling point locatio	ns, transects, important features, etc.		
Hydrophytic Vegetation Present? Yes	✓ No	Is the Sampled Area			
Hydric Soil Present? Yes	✓ No	within a Wetland?	Yes No		
Wetland Hydrology Present? Yes	No				
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type: E	B1WETNONADJ		
HYDROLOGY Western Hydrology Indicators			Coordon Indicators (minimum of two required)		
Wetland Hydrology Indicators:	ahaak all that annly)		Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; of		·	Surface Soil Cracks (B6)		
Surface Water (A1) High Water Table (A2)	True Aquatic Plants (I Hydrogen Sulfide Odd		Sparsely Vegetated Concave Surface (B8)		
Saturation (A3)	✓ Oxidized Rhizosphere		Drainage Patterns (B10) Moss Trim Lines (B16)		
Water Marks (B1)	Presence of Reduced		Nioss Till Ellies (BTo) Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Recent Iron Reduction	` '			
Drift Deposits (B3)	Thin Muck Surface (C		Crayfish Burrows (C8)Saturation Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Other (Explain in Rem		Stunted or Stressed Plants (D1)		
Iron Deposits (B5)	Outor (Explain in Itoli	iano)	Geomorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)		
Water-Stained Leaves (B9)			Microtopographic Relief (D4)		
Aquatic Fauna (B13)			FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes No _	Depth (inches):				
	Depth (inches):	7			
		0 Wetland H	ydrology Present? Yes No		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, pre	vious inspections), if avai	lable:		
Remarks:					

Sampling	Point: \	N-JM26

Tree Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:		
Tiec otratum (Flot size.	% Cover			Number of Dominant Species	3	
1				That Are OBL, FACW, or FAC:		(A)
2				Total Number of Dominant	0	
3				Species Across All Strata:	3	(B)
4				Percent of Dominant Species		
5				That Are OBL, FACW, or FAC:	100	(A/B)
6				Prevalence Index worksheet:		
7			<u> </u>		Multiply by:	
2		= Total Cov	_	OBL species x 1		
50% of total cover: 0 Sanling/Shrub Stratum (Plot size: 15')	20% of	total cover	:0			
<u>Japinig/Ornab Otratam</u> (1 lot 3126)				FACW species x 2 FAC species x 3		
1				FACU species x 4		l l
2						
3				UPL species x 5		
4			·	Column Totals: (A)		(B)
5			<u> </u>	Prevalence Index = B/A =		
6			<u> </u>	Hydrophytic Vegetation Indicate	ors:	_
7			<u> </u>	1 - Rapid Test for Hydrophytic		
8			· ——	2 - Dominance Test is >50%	Ü	
9				3 - Prevalence Index is ≤3.0 ¹		
2		= Total Cov		4 - Morphological Adaptations	s1 (Provide sur	porting
50% of total cover: 0	20% of	total cover	:0	data in Remarks or on a se		
Herb Stratum (Flot Size)	00		FACW	Problematic Hydrophytic Vege	. ,	
1. Onoclea sensibilis	30				, (2, p.o.	,
2. Verbesina alternifolia	25		FAC	¹ Indicators of hydric soil and wetla	and hydrology	must
3. Poa trivialis	25		FACW	be present, unless disturbed or pre		illuot
4. Epilobium coloratum	15		FACW_	Definitions of Four Vegetation S	strata:	
5. Juncus effusus	10		FACW	The Manda plants and discussion	: 0:- /7.C	\
6. Scirpus atrovirens	10		OBL	Tree – Woody plants, excluding vi more in diameter at breast height		
7				height.	(), -3	
8				Sapling/Shrub – Woody plants, e	excluding vines	less
9				than 3 in. DBH and greater than o	r equal to 3.28	3, 1000 3 ft (1
10				m) tall.		
11				Herb – All herbaceous (non-wood	y) plants, rega	ırdless
		= Total Cov		of size, and woody plants less that		
50% of total cover:57.5	20% of	total cover	: 23	Woody vine – All woody vines gre	eater than 3.28	3 ft in
Woody Vine Stratum (Plot size: 15')				height.		
1						
2			<u> </u>			
3			<u> </u>			
4			<u> </u>	Hydrophytic		
5			· ——	Vegetation		
•		= Total Cov	_	Present? Yes	No	
50% of total cover:0		total cover	:0			
Remarks: (Include photo numbers here or on a separate s	heet.)					

Profile Desc	ription: (Describe t	o the dept	h needed to docun	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	k Features	3			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0-10	10YR 4/2	95	10YR 4/6	5	С	M/PL	SICL	
10-20	10YR 4/1	90	10YR 4/6	10	С	М	SICL	
						·		
					-	·		
					-	· ——		
					-			
¹ Type: C=C	oncentration, D=Deple	etion RM=	Reduced Matrix MS	=Masked	Sand Gr	ains	² l ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil		ction, reivi–	reduced Matrix, Me	- Maskea	Oana Oi	airis.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(\$7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ce (S8) (N	/ILRA 147.		coast Prairie Redox (A16)
Black Hi			Thin Dark Su				140, 0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			,,	Р	iedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat		,			(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S		·6)		V	ery Shallow Dark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar	,	,			Other (Explain in Remarks)
	ark Surface (A12)	` ,	Redox Depre					,
Sandy M	Mucky Mineral (S1) (L	RR N,	Iron-Mangane	ese Masse	es (F12) (LRR N,		
	A 147, 148)		MLRA 136					
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ce (F13) (MLRA 13	36, 122)	³ Ind	icators of hydrophytic vegetation and
Sandy R	Redox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	8) we	tland hydrology must be present,
Stripped	Matrix (S6)		Red Parent M	1aterial (F	21) (MLR	A 127, 147	7) un	less disturbed or problematic.
Restrictive I	Layer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes V No No
Remarks:	, -						1 -	

Wetland ID W-JM26

Cowardin Code PEM Date 03/01/21



Photograph Number <u>645</u> Photograph Direction WSW

Comments:



Photograph Number <u>646</u> Photograph Direction West

Comments:



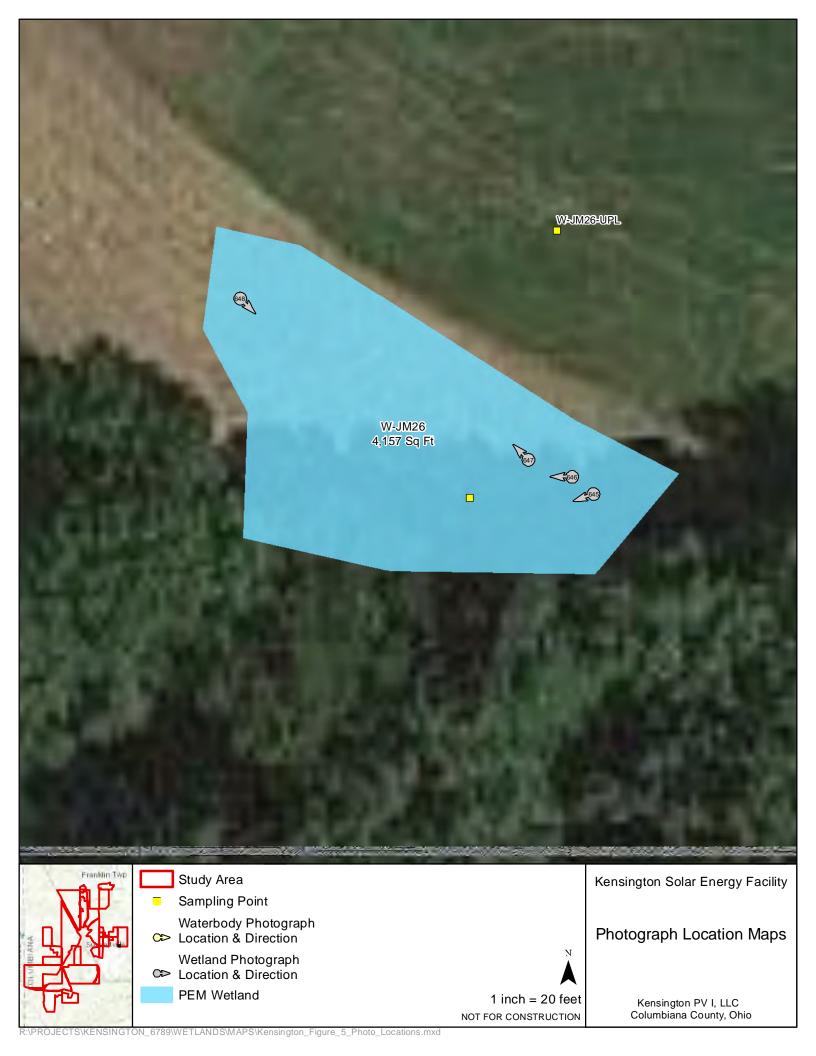
Photograph Number <u>647</u> Photograph Direction NW

Comments:



Photograph Number <u>648</u>

Photograph Direction SE



Project/Site: Kensington	City/Cou	_{ıntv:} Columbiana	Sampling Date: 03/01/21		
Project/Site: Kensington Applicant/Owner: Kensington PV I, LLC		State: OH			
Investigator(s): JMM, KMP	Section				
Landform (hillslope, terrace, etc.): Hillslope	Local relief	(concave convex non	e). Linear Slope (%): 5-8%		
Subregion (LRR or MLRA): LRRN			869043 Datum: NAD 83		
Soil Map Unit Name: GuC2: Guernsey silt lo					
•			-		
Are climatic / hydrologic conditions on the site typi	·		_		
Are Vegetation, Soil, or Hydrology			Circumstances" present? Yes No		
Are Vegetation, Soil, or Hydrology	naturally problemation	c? (If needed, e	xplain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach sit	te map showing samp	ling point locatio	ns, transects, important features, etc.		
Lindraphytic Vegetation Present?	No. V		1		
	No.	s the Sampled Area			
Wetland Hydrology Present? Yes _	No	vithin a Wetland?	Yes No		
Remarks: Cowardin Code: UPLAND	!	Motor Type:			
Cowardin Code. OPLAND	псііі.	Water Type:			
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	True Aquatic Plants (B1	4)	Sparsely Vegetated Concave Surface (B8)Drainage Patterns (B10)		
High Water Table (A2)	Hydrogen Sulfide Odor				
Saturation (A3)	Oxidized Rhizospheres	on Living Roots (C3)	Moss Trim Lines (B16)		
Water Marks (B1)	Presence of Reduced In	on (C4)	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Recent Iron Reduction i	in Tilled Soils (C6)	Crayfish Burrows (C8)		
Drift Deposits (B3)	Thin Muck Surface (C7))	Saturation Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Other (Explain in Rema	rks)	Stunted or Stressed Plants (D1)		
Iron Deposits (B5)			Geomorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)		
Water-Stained Leaves (B9)			Microtopographic Relief (D4)		
Aquatic Fauna (B13)			FAC-Neutral Test (D5)		
Field Observations:	.1				
Surface Water Present? Yes No _	Depth (inches):				
	Depth (inches):				
Saturation Present? Yes No _ (includes capillary fringe)	Depth (inches):	Wetland H	ydrology Present? Yes No		
Describe Recorded Data (stream gauge, monitor	ring well, aerial photos, previo	ous inspections), if avai	lable:		
Remarks:					

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: W-JM26-UPL

Tree Charters (Diet sine, 30)	Absolute		Ctatus	Dominance rest worksheet.
<u>Tree Stratum</u> (Plot size: 30')		Species?	Status	Number of Dominant Species That Are ORL FACW or FAC: (A)
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0% (A/B)
6				, ,
7				Prevalence Index worksheet:
	0	= Total Cov	/er	Total % Cover of: Multiply by:
50% of total cover: 0	20% of	total cover	:0	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1				FAC species x 3 =
2				FACU species x 4 =
				UPL species x 5 =
3				Column Totals: (A) (B)
4				(-)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	0	= Total Cov	/er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:0	20% of	total cover	:0	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5'				,
1. Phleum pratense	55		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dactylis glomerata	25	✓	FACU	
3. Achillea millefolium	5		FACU	¹ Indicators of hydric soil and wetland hydrology must
4 Plantago major	5		FACU	be present, unless disturbed or problematic.
5. Taraxacum officinale	5		FACU	Definitions of Four Vegetation Strata:
6 Daucus carota	5	-	UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
<u> </u>				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	100	= Total Cov	/er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50	20% of	total cover	<u>: 20 </u>	Woody vine All woody vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in height.
1				
2.				
3.				
Λ			-	
T				Hydrophytic
ວ	0	T-1-1-0		Vegetation Present? Yes No
		= Total Cov	_	100
50% of total cover: 0		total cover		

Profile Desc	cription: (Describe t	o the depth	needed to docur	nent the i	ndicator	or confirm	the absence	of indicators.)	
Depth	Matrix		Redo	x Feature	s					
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks	
0-11	10YR 5/3	100					SICL			
11-18	10YR 5/6	100					SIC			
	10111070									
					-					
-					-		-			
	-							· -		
			_							
¹ Type: C=C	oncentration, D=Depl	etion, RM=F	Reduced Matrix, M	S=Masked	Sand Gra	ains.	² Location: F	PL=Pore Lining,	M=Matrix.	
Hydric Soil							Indic	ators for Probl	lematic Hydric	Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			2	2 cm Muck (A10) (MLRA 147)	
	pipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147,		Coast Prairie Re		
	istic (A3)		Thin Dark Su					(MLRA 147, 1		
	en Sulfide (A4)		Loamy Gleye			•	F	Piedmont Flood)
Stratifie	d Layers (A5)		Depleted Ma					(MLRA 136, 1	147)	
2 cm Mi	uck (A10) (LRR N)		Redox Dark	Surface (F	- 6)		\	ery Shallow Da	ark Surface (TF	12)
Deplete	d Below Dark Surface	(A11)	Depleted Da	rk Surface	(F7)		(Other (Explain ir	n Remarks)	
	ark Surface (A12)		Redox Depre							
	Mucky Mineral (S1) (L	RR N,	Iron-Mangan		es (F12) (LRR N,				
	A 147, 148)		MLRA 13				2			
	Gleyed Matrix (S4)		Umbric Surfa					dicators of hydro		
-	Redox (S5)		Piedmont Flo					etland hydrology		ent,
	d Matrix (S6)		Red Parent I	Material (F	21) (MLR	A 127, 147	7) ur	nless disturbed	or problematic.	
Restrictive	Layer (if observed):									
Type:										
Depth (in	ches):						Hydric Soi	I Present? Y	es N	· <u> </u>
Remarks:										

Project/Site: Kensington	City/Co	_{untv:} Columbiana	Sampling Date: 03/01/21		
Applicant/Owner: Kensington PV I, LLC		State: OH			
	Section				
Landform (hillslope, terrace, etc.): Hillslope					
Subregion (LRR or MLRA): _LRRN			866268 Datum: NAD 83		
Soil Map Unit Name: BkD: Berks channery s					
Are climatic / hydrologic conditions on the site typic					
Are Vegetation, Soil, or Hydrology					
Are Vegetation, Soil, or Hydrology			kplain any answers in Remarks.) ns, transects, important features, etc.		
Command of Findings Accounts	, .		ins, transcots, important reatures, etc.		
Hydrophytic Vegetation Present? Yes	No	Is the Sampled Area			
Hydric Soil Present? Yes	No ,	within a Wetland?	Yes No		
Wetland Hydrology Present? Yes	No				
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type: A	A4WETABUT		
HYDROLOGY					
Wetland Hydrology Indicators:		<u> </u>	Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; of	heck all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	14)	Sparsely Vegetated Concave Surface (B8)			
✓ High Water Table (A2)	Hydrogen Sulfide Odor		Drainage Patterns (B10)		
Saturation (A3)	Oxidized Rhizospheres	on Living Roots (C3)	Moss Trim Lines (B16)		
Water Marks (B1)	Presence of Reduced I	ron (C4)	Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Recent Iron Reduction	in Tilled Soils (C6)	Crayfish Burrows (C8)		
Drift Deposits (B3)	Thin Muck Surface (C7		Saturation Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Other (Explain in Rema		Stunted or Stressed Plants (D1)		
Iron Deposits (B5)		-	Geomorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)		-	Shallow Aquitard (D3)		
Water-Stained Leaves (B9)		-	Microtopographic Relief (D4)		
Aquatic Fauna (B13)		-	FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes No	✓ Danth (inch as).				
	Depth (inches): 7	, 			
	Deptil (illeries)				
Saturation Present? Yes No (includes capillary fringe)	Depth (inches):5	wetland Hy	ydrology Present? Yes No		
Describe Recorded Data (stream gauge, monitor	ng well, aerial photos, previ	ous inspections), if avail	able:		
Remarks:					

Sampling Point: W-JM2	oint: W-JN	127
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30'	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30')		Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2.				
3.				Total Number of Dominant Species Across All Strata: 2 (B)
4				` ,
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				Prevalence Index worksheet:
7				
•		= Total Cov		
50% of total cover: 0	20% of	total cover	:0	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				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				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
9				
	0	= Total Cov	/er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:0	20% of	total cover	:0	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Microstegium vimineum	45	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Juncus effusus	15	~	FACW	
3. Scirpus cyperinus	10		FACW	¹ Indicators of hydric soil and wetland hydrology must
4 Phalaris arundinacea	10		FACW	be present, unless disturbed or problematic.
5. Phleum pratense	10		FACU	Definitions of Four Vegetation Strata:
6. Epilobium coloratum	5		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7 Solidago rugosa	10		FAC	more in diameter at breast height (DBH), regardless of
8 Symphyotrichum prenanthoides	10	-	FAC	height.
<u> </u>		-		Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10		-		, '
11	115			Herb – All herbaceous (non-woody) plants, regardless
57.1	115	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>57.</u> !	20% of	total cover	:	Woody vine - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				
2				
3				
4			- ——	Hydrophytic
5			·	Vegetation
•		= Total Cov	_	Present? Yes No
50% of total cover: 0	20% of	total cover	:0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

Color Colo	Depth (inches)	Matrix Color (moist)	%	Color (moist)	k Feature: %	s Type ¹	Loc ²	Texture		Remarks	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.										ivemany2	
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Sand Grains. Type: C=Concentration, D=Depletion Assistance (F1) (MLRA 127, 147) Table Matrix (Soil Present? Yes No. Type: C=Concentration, D=Depletion Assistance (F1) (MLRA 127, 147) Table Matrix (Soil Present? Yes No.	5-12	· · · · · · · · · · · · · · · · · · · 						GRCI			
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration, D=Depletion, R=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration, D=Depletion, R=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration, M=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration	<u> </u>			1011(1/1				OROL	di	sturbed s	soils
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soi Histosol (A1)	12±	1011(1/1					-				
Histosol (A1)	12+								5011	s to distu	iibeu
Histosol (A1)											
Histosol (A1)											
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dubric Surface (F13) (MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 147, 147) wetland hydrology must be present, unless disturbed or problematic. Estrictive Layer (if observed): Type: Depth (inches): Type: Depth (inches): Mick Soil Present? Yes V No											
Histosol (A1)											
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dubric Surface (F13) (MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 147, 147) wetland hydrology must be present, unless disturbed or problematic. Estrictive Layer (if observed): Type: Depth (inches): Type: Depth (inches): Mick Soil Present? Yes V No											
Histosol (A1)	_										
ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Dubric Surface (F13) (MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 147, 147) wetland hydrology must be present, unless disturbed or problematic. Estrictive Layer (if observed): Type: Depth (inches): Type: Depth (inches): Mick Soil Present? Yes V No	Type: C=C	oncentration, D=Depl	letion, RM=	Reduced Matrix, MS	= S=Masked	Sand G	irains.	² Location: PL:	=Pore Lining	M=Matrix	
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) □ Depleted Matrix (F3) □ Depleted Below Dark Surface (A11) □ Depleted Below Dark Surface (A12) □ Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) □ Sandy Gleyed Matrix (S4) □ Sandy Redox (S5) □ Stripped Matrix (S4) □ Sandy Redox (S5) □ Stripped Matrix (S6) □ Depleted Matrix (F3) □ Depleted Dark Surface (F12) □ Depleted Dark Surface (F12) □ Depleted Dark Surface (F12) □ Depleted Dark Surface (F13) □ MLRA 136, 147) □ Very Shallow Dark Surface (TF12) □ Other (Explain in Remarks) □ Iron-Manganese Masses (F12) (LRR N, MLRA 136, 122) □ Sandy Redox (S5) □ Piedmont Floodplain Soils (F19) □ MLRA 148) □ Sandy Redox (S5) □ Piedmont Floodplain Soils (F19) (MLRA 148) □ Wetland hydrology must be present, unless disturbed or problematic. □ Red Parent Material (F21) (MLRA 127, 147) □ Red Parent? Yes V No			iotion, rtivi	rtoddod Matrix, We	z-macket	· cana c	ranio.				dric Soils ³ :
Hydrogen Sulfide (A4) Hydrogen Sulfide (A4) Stratified Layers (A5) Zem Muck (A10) (LRR N) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Bandy Gleyed Matrix (F3) Muran 147, 148) Hydric Soil Present? Yes In In Dark Surface (S9) (MLRA 147, 148) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Popted Matrix (F3) (MLRA 136, 147) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, 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	Histosol	(A1)		Dark Surface	(S7)			2 0	m Muck (A10) (MLRA 14	47)
						ce (S8) (MLRA 147,	148) Co	ast Prairie Re	dox (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) Stripped Matrix (S6) Stripped Matrix (S6) Depleted Matrix (F3) Medox Dark Surface (F7) Depleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 127, 147) Mestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes Very Shallow Dark Surface (TF12) Very Shallow Dark Surface (TF12) Very Shallow Dark Surface (TF12) Other (Explain in Remarks) Striplet (Explain in Remarks) Memarks MtRA 136, 147) Very Shallow Dark Surface (TF12) Memarks Memarks SIndicators of hydrophytic vegetation a wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes Very No							147, 148)				
2 cm Muck (A10) (LRR N)						F2)					(F19)
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Stripped Matrix (S6) Depth (inches): Depth (inches): Depteted Dark Surface (F7) Depted Dark Surface (F7) Depted Dark Surface (F7) Depted Dark Surface (F7) Depted Dark Surface (F12) (LRR N, Depted Dark Sur						-c)					(TE12)
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) Estrictive Layer (if observed): Type: Depth (inches): Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 127, 147) Unless disturbed or problematic. Hydric Soil Present? Yes No			e (A11)		,	,					
Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148)			,,,,,						(=xp.a		
Sandy Gleyed Matrix (S4)			.RR N,				(LRR N,				
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6)					-			2			
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No											
Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No											
Type: Depth (inches):				Red Palent N	iateriai (F	21) (IVIL	KA 121, 141) unie	ess disturbed t	л рговієпта	alic.
Depth (inches): No											
		ches):						Hydric Soil F	Present? Yo	es 🗸	No
	. ,	,						1 ,			

Photograph Page

Wetland ID W-JM27 Cowardin Code PEM Date 03/01/21



Photograph Number 649
Photograph Direction North

Comments:



Photograph Number 650
Photograph Direction SW

Comments:



Photograph Number 651
Photograph Direction South

Comments:



Photograph Number 652

Photograph Direction SE



Project/Site: Kensington	City/County	_{/:} Columbiana	Sampling Date: 03/01/21			
Applicant/Owner: Kensington PV I, LLC		State: OH				
18.48.4.168.45	Section, To					
Landform (hillslope, terrace, etc.): Hillslope						
Subregion (LRR or MLRA): LRRN		65189 Datum: NAD 83				
Soil Map Unit Name: VnC: Vandergift silt loa						
Are climatic / hydrologic conditions on the site typic						
Are Vegetation, Soil, or Hydrology _			_			
Are Vegetation, Soil, or Hydrology, SUMMARY OF FINDINGS – Attach site		•	plain any answers in Remarks.)			
SOMMANT OF FINDINGS - Attach site		ig point location	is, transects, important reatures, etc.			
Hydrophytic Vegetation Present? Yes	No Is ti	ne Sampled Area				
Hydric Soil Present? Yes	No with	nin a Wetland?	Yes No			
Wetland Hydrology Present? Yes	No					
Remarks: Cowardin Code: PFO	HGM: Slope	Water Type: B	1WETNONADJ			
HYDROLOGY						
Wetland Hydrology Indicators:		_	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; c			Surface Soil Cracks (B6)			
Surface Water (A1)	True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	Hydrogen Sulfide Odor (C		Drainage Patterns (B10)			
Saturation (A3)	Oxidized Rhizospheres on		Moss Trim Lines (B16)			
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduced IronRecent Iron Reduction in 1	` '	Dry-Season Water Table (C2) Crayfish Burrows (C8)			
Sediment Deposits (B2) Drift Deposits (B3)	Thin Muck Surface (C7)	lilled Solls (Co)	Saturation Visible on Aerial Imagery (C9)			
	Other (Explain in Remarks	<u>-</u>	Stunted or Stressed Plants (D1)			
Iron Deposits (B5)	Other (Explain in Remarks	·/ _	Geomorphic Position (D2)			
Inundation Visible on Aerial Imagery (B7)		_	Shallow Aquitard (D3)			
Water-Stained Leaves (B9)		Microtopographic Relief (D4)				
Aquatic Fauna (B13)		<u></u>	FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes No	Depth (inches):					
	Depth (inches): 0					
	Depth (inches): 0	Wetland Hv	drology Present? Yes No			
(includes capillary fringe)		_				
Describe Recorded Data (stream gauge, monitori	ng well, aerial photos, previous	inspections), if availa	able:			
Remarks:						

Sampling Point: W-JM28

Trop Stratum (Blot size: 30'	Absolute	Dominant		Dominance Test worksheet:		
Tiee Stratum (Flot Size)	% Cover			Number of Dominant Species	4	
1. Celtis occidentalis	40		FACU	That Are OBL, FACW, or FAC:	4	(A)
2						
				Total Number of Dominant	5	(D)
3				Species Across All Strata:		(B)
4				Percent of Dominant Species		
5				That Are OBL, FACW, or FAC:	80%	(A/B)
6						` ,
7				Prevalence Index worksheet:		
·	40	Tatal Car		Total % Cover of:	Multiply by:	
500% - (1-1-1-1		= Total Co	_	OBL species x 1	l =	
50% of total cover: 20	20% of	total cover	:0			
<u>Sapinig/Sitrub Stratum</u> (Flot size				FACW species x 2	<u> </u>	_
1. Spiraea tomentosa	70		FACW	FAC species x 3	<u> </u>	
2. Rosa multiflora	10		FACU	FACU species x 4	ł =	_
3				UPL species x 5	i =	
				Column Totals: (A)		
4				(1)		_ (-)
5				Prevalence Index = B/A =		
6				Hydrophytic Vegetation Indicate		
7						
8				1 - Rapid Test for Hydrophyti	c vegetation	
				<u>✓</u> 2 - Dominance Test is >50%		
9	00			3 - Prevalence Index is ≤3.0 ¹		
40		= Total Cov		4 - Morphological Adaptations	s1 (Provide sur	porting
50% of total cover: 40	20% of	total cover	:10	data in Remarks or on a s		
Herb Stratum (Plot size: 5')						
1. Scirpus cyperinus	10		FACW	Problematic Hydrophytic Veg	etation (Expla	iin)
2 Dichanthelium clandestinum	10	~	FAC			
3. Solidago rugosa	10		FAC	¹ Indicators of hydric soil and wetla		must
			- 1710	be present, unless disturbed or pr	oblematic.	
4				Definitions of Four Vegetation S	Strata:	
5						
6				Tree – Woody plants, excluding v		
7				more in diameter at breast height height.	(DBH), regard	iess of
				neight.		
8				Sapling/Shrub - Woody plants, e	excluding vines	s, less
9		-		than 3 in. DBH and greater than o	or equal to 3.28	3 ft (1
10				m) tall.		
11				Herb – All herbaceous (non-wood	tv) nlants reas	ırdless
	30 .	= Total Cov	ver	of size, and woody plants less that		iraicoo
50% of total cover: 15		total cover				
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines gr	eater than 3.28	3 ft in
				height.		
1						
2						
3						
4				Hardway bard's		
5.				Hydrophytic Vegetation		
<u> </u>	0 .	Tatal Car		Present? Yes	No	
500/ of total occurs 0		= Total Cov	_			
50% of total cover: 0		total cover	:			
Remarks: (Include photo numbers here or on a separate s	heet.)					

Profile Desc	ription: (Describe t	o the dept	h needed to docun	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	K Features	3			
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	<u>Texture</u>	Remarks
0-10	10YR 4/2	95	10YR 4/6	5	С	M/PL	SIL	
10-20	10YR 5/2	90	10YR 4/6	10	С	М	GRSIL	
							<u> </u>	
		-						
		-						
	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					2 cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				148) (Coast Prairie Redox (A16)
Black Hi			Thin Dark Su			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		F2)		F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat					(MLRA 136, 147)
	ick (A10) (LRR N)	(444)	Redox Dark S	•	,			/ery Shallow Dark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar				(Other (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depre Iron-Mangane			I DD N		
	Mucky Mineral (S1) (L . \ 147, 148)	KK N,	MLRA 136		35 (F 12) (LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa	•	MI DA 13	RE 122\	3Inc	dicators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent M					lless disturbed or problematic.
	Layer (if observed):		1100 1 0101111	iatoriai (i	_ · / (1	need dictarged of problematic.
Type:								
	ahaa):						Hydric Soil	I Present? Yes <u>✓</u> No
	ches):						Hydric 30ii	rriesent: res <u> </u>
Remarks:								
1								
1								
1								
1								

Wetland ID W-JM28

Cowardin Code PFO Date 03/01/21



Photograph Number <u>653</u> Photograph Direction <u>SW</u>

Comments:



Photograph Number <u>654</u> Photograph Direction South

Comments:



Photograph Number <u>655</u> Photograph Direction SE

Comments:



Photograph Number ___656 Photograph Direction South



Project/Site: Kensington	City/Cou	_{untv:} Columbiana	Sampling Date: 03/01/21			
Applicant/Owner: Kensington PV I, LLC		State: OH				
	Section					
Landform (hillslope, terrace, etc.): Hillslope						
Subregion (LRR or MLRA): LRRN	Lat: 40.675637	Long: -80.	889911 Datum: NAD 83			
Soil Map Unit Name: GaB: Gavers silt loam	. 2 to 6 percent slopes	Long	NWI classification: NONE			
Are climatic / hydrologic conditions on the site type						
Are Vegetation, Soil, or Hydrolog						
Are Vegetation, Soil, or Hydrolog	/naturally problemati	c? (If needed, ex	xplain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach s	te map showing samp	oling point location	ns, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes _		1 4				
Hydric Soil Present? Yes _	<u> </u>	s the Sampled Area	Yes V No			
Wetland Hydrology Present? Yes _		within a Wetland?	res No			
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type: E	31WETNONADJ			
Cowardin Code. Livi	TIOW. Clope	water Type: -				
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)			
Surface Water (A1)	True Aquatic Plants (B ²		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	Hydrogen Sulfide Odor		Drainage Patterns (B10)			
Saturation (A3)	Oxidized Rhizospheres		Moss Trim Lines (B16)			
Water Marks (B1)	Presence of Reduced I		Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Recent Iron Reduction	in Tilled Soils (C6)	Crayfish Burrows (C8)			
Drift Deposits (B3)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Other (Explain in Rema	ırks)	Stunted or Stressed Plants (D1)			
Iron Deposits (B5)			Geomorphic Position (D2)			
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)			
Water-Stained Leaves (B9)			Microtopographic Relief (D4)			
Aquatic Fauna (B13)			FAC-Neutral Test (D5)			
Field Observations:	V 5 4 6 1 3					
Surface Water Present? Yes No	Depth (inches):					
	Depth (inches):					
Saturation Present? Yes No (includes capillary fringe)	Depth (inches):	Wetland H	ydrology Present? Yes No			
Describe Recorded Data (stream gauge, monitor	oring well, aerial photos, previ	ous inspections), if avai	able:			
Demode						
Remarks:						

Sampling Point: W-JM29	Samo	lina	Point:	W-	JM29
------------------------	------	------	--------	----	------

Tree Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:		
TICC Stratum (1 lot size.	% Cover	Species?	<u>Status</u>	Number of Dominant Species	2	(4)
1		-		That Are OBL, FACW, or FAC:		(A)
2				Total Number of Dominant	0	
3				Species Across All Strata:	2	(B)
4				Percent of Dominant Species	400	
5				That Are OBL, FACW, or FAC:	100	(A/B)
6		-		Prevalence Index worksheet:		
7					Multiply by:	
		= Total Cov		OBL species x 1		
50% of total cover: 0 Sanling/Shrub Stratum (Plot size: 15')	20% of	total cover:	0			
<u>Saping/Onlab Stratum</u> (Flot 3i26)				FACW species x 2 FAC species x 3		
1,						
2				FACU species x 4		
3		-		UPL species x 5		
4				Column Totals: (A)	-	(B)
5				Prevalence Index = B/A =		
6				Hydrophytic Vegetation Indicate		_
7				1 - Rapid Test for Hydrophytic		
8				2 - Dominance Test is >50%	vegetation	
9				3 - Prevalence Index is ≤3.0 ¹		
	0	= Total Cov		4 - Morphological Adaptations	s ¹ (Provide sur	norting
	20% of	total cover:	0	data in Remarks or on a se		
Herb Stratum (Plot size: 5')						
1. Microstegium vimineum	10		FAC	Problematic Hydrophytic Vege	etation (Expia	111)
2. Juncus effusus	35		FACW	1		
3. Juncus tenuis	20		FAC	¹ Indicators of hydric soil and wetla be present, unless disturbed or pre-		must
4. Phleum pratense	15		FACU	Definitions of Four Vegetation S		
5. Dactylis glomerata	15		FACU	Deminions of Four Vegetation e	Arata.	
6. Lysimachia nummularia	10		FACW	Tree – Woody plants, excluding vi		
7				more in diameter at breast height height.	(DBH), regardi	less of
8						
9.				Sapling/Shrub – Woody plants, e than 3 in. DBH and greater than o		
10		<u> </u>		m) tall.	1 equal to 0.20	, (1
11.				Harb All barbasassa (nan wasad		
	105	= Total Cov	er	Herb – All herbaceous (non-wood of size, and woody plants less tha		iraless
50% of total cover:52.5		total cover:				
Woody Vine Stratum (Plot size: 15')	<u></u>			Woody vine – All woody vines green height.	eater than 3.28	3 ft in
1				neight.		
2.						
•						
4				Hydrophytic		
5		Tatal Car		Vegetation Present? Yes ✓	No	
50% of total cover: 0		= Total Cov total cover:	_			
		total cover.				
Remarks: (Include photo numbers here or on a separate s	neet.)					

Profile Desc	ription: (Describe to	o the depti	n needed to docum	ent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	c Features	3			
(inches)	Color (moist)	%	Color (moist)	<u></u> %	Type ¹	Loc ²	Texture	Remarks
0-8	2.5Y 4/2	90	10YR 4/6	10	С	M/PL	GRCL	
8+								disturbed soil - Unconsolidated
<u> </u>			-					disturbed soil - Oriconsolidated
			_					
								
¹ Type: C=Co	oncentration, D=Deple	etion, RM=I	Reduced Matrix, MS	=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Bel	. ,	ce (S8) (N	ILRA 147.		Coast Prairie Redox (A16)
Black Hi			Thin Dark Su				, `	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			,,	P	riedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat		_,			(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S		6)		V	ery Shallow Dark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar	,	,			Other (Explain in Remarks)
	ark Surface (A12)	(/ () /)	Redox Depre				_ ~	Arier (Explain in Remarks)
	lucky Mineral (S1) (L l	RR N	Iron-Mangane			IRRN		
	147, 148)	, , ,	MLRA 136		,3 (1 12) (LIXIX IV,		
	Gleyed Matrix (S4)		Umbric Surfa	•	MI DA 12	6 122)	3Ind	icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent M					
			Red Falelii iv	iateriai (F.	ZI) (IVILK	A 127, 147) un	less disturbed or problematic.
	Layer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:							1	

Photograph Page

Wetland ID W-JM29 Cowardin Code PEM Date 03/01/21



Photograph Number <u>657</u>
Photograph Direction West

Comments:



Photograph Number 658

Photograph Direction NE

Comments:



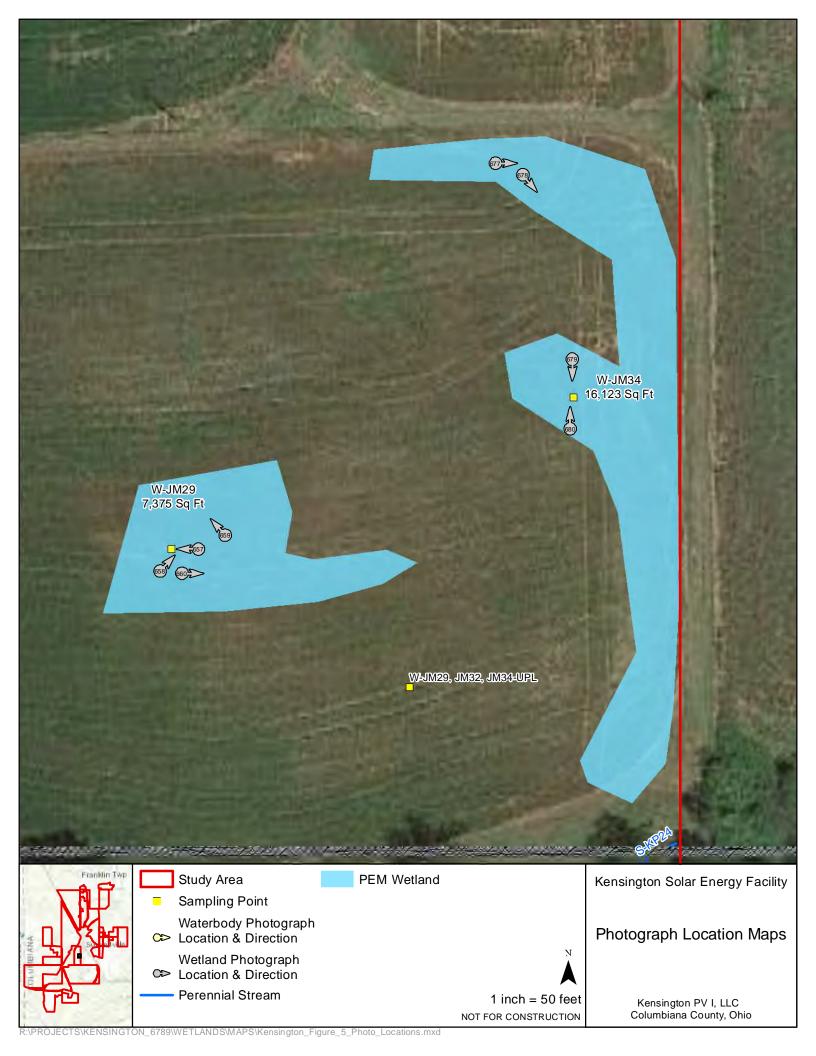
Photograph Number 659
Photograph Direction NW

Comments:



Photograph Number 660

Photograph Direction East



Project/Site: Kensington		City/C	county: Columbiana	Sampling Date: 03/01/21
Applicant/Owner: Kensingto	on PV I, LLC		State: OH	Sampling Point: W-JM29, JM32, JM34-UF
Investigator(s): JMM, KMP		Section	on, Township, Range: N	
				ne): Linear Slope (%): 2-4
Subregion (LRR or MLRA):			Long: <u>-80</u>	
			Long	NWI classification: N/A
· · · · · · · · · · · · · · · · · · ·				
Are climatic / hydrologic condi		-		
Are Vegetation, Soil _	, or Hydrology	significantly distur	bed? Are "Normal	Circumstances" present? Yes No
Are Vegetation, Soil _	, or Hydrology	naturally problema	atic? (If needed, e	explain any answers in Remarks.)
SUMMARY OF FINDIN	GS – Attach site	map showing san	pling point location	ons, transects, important features, etc.
Hydrophytic Vegetation Pres	sent? Yes	No. 🗸		
Hydric Soil Present?	Yes		Is the Sampled Area	was Na V
Wetland Hydrology Present?			within a Wetland?	Yes No
B 1	ode: UPLAND	HGM:	Water Type:	
Jowardin C	Odc. Of LAND	TIOWI.	water Type.	
HYDROLOGY				
Wetland Hydrology Indicat	ors:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum		ck all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	<u> </u>	_ True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	_	_ Hydrogen Sulfide Od		Drainage Patterns (B10)
Saturation (A3)	_		es on Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	_	Presence of Reduced	= : : :	Dry-Season Water Table (C2)
Sediment Deposits (B2)	_	Recent Iron Reductio	` '	Crayfish Burrows (C8)
Drift Deposits (B3)	_	_ Thin Muck Surface (C	27)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	_	_ Other (Explain in Rer	narks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)				Geomorphic Position (D2)
Inundation Visible on Ae				Shallow Aquitard (D3)
Water-Stained Leaves (В9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			T	FAC-Neutral Test (D5)
Field Observations:	Vaa Na V	, Depth (inches):		
Surface Water Present?	Yes No	Depth (inches): Depth (inches):		
Water Table Present?				hadrala wa Barrawa O. War
Saturation Present? (includes capillary fringe)	Yes No	Depth (inches):	wetland F	Hydrology Present? Yes No
Describe Recorded Data (str	eam gauge, monitoring	well, aerial photos, pre	vious inspections), if ava	ilable:
Remarks:				
Remarks:				

Sampling Point: W-JM29, JM32, JM34-UPL

Tree Stratum (Plot size: 30')	Absolute	Dominant		Dominance Test worksheet:		
TICC Stratum (1 lot size.	% Cover	Species?	<u>Status</u>	Number of Dominant Species	0	(4)
1				That Are OBL, FACW, or FAC:		(A)
2				Total Number of Dominant	2	
3		-		Species Across All Strata:	2	(B)
4				Percent of Dominant Species	00/	
5				That Are OBL, FACW, or FAC:	0%	(A/B)
6				Prevalence Index worksheet:		
7				Total % Cover of:	Multiply by:	
0		= Total Cov		OBL species x 1		
50% of total cover: 0 Sapling/Shrub Stratum (Plot size: 15')	20% of	total cover	0	FACW species x 2		
Oaphing/Onliab Ottatum (1 lot 3ize)				FAC species x 3		
1,				FACU species x 4		
2						
3				UPL species x 5		
4				Column Totals: (A)		_ (B)
5				Prevalence Index = B/A =		
6				Hydrophytic Vegetation Indicat		
7				1 - Rapid Test for Hydrophyti		
8				2 - Dominance Test is >50%		
9				3 - Prevalence Index is ≤3.0 ¹		
		= Total Cov		4 - Morphological Adaptation		portina
	20% of	total cover	0	data in Remarks or on a s		,
Herb Stratum (Plot size: 5')	60	,	FACU	Problematic Hydrophytic Veg		in)
1. Phleum pratense	60				ctation (Explai	,
2. Dactylis glomerata	20		FACU	¹ Indicators of hydric soil and wetla	and hydrology r	muet
3. Achillea millefolium	10		FACU	be present, unless disturbed or pr		iiust
4. Plantago major	5		<u>FACU</u>	Definitions of Four Vegetation		
5. Taraxacum officinale	5		FACU_			,
6. Daucus carota	5		UPL	Tree – Woody plants, excluding wore in diameter at breast height		
7				height.	(221.),	
8				Sapling/Shrub – Woody plants, e	oveludina vinos	loce
9				than 3 in. DBH and greater than of		
10				m) tall.		
11				Herb – All herbaceous (non-wood	dv) plants, rega	rdless
		= Total Cov		of size, and woody plants less that		. 4.000
50% of total cover: <u>52.5</u>	20% of	total cover	21	Woody vine – All woody vines gr	eater than 3 28	t ft in
Woody Vine Stratum (Plot size: 15')				height.	cater than 5.20	, 10 111
1,						
2						
3						
4				Hydrophytic		
5				Vegetation		
	0	= Total Cov	er	Present? Yes	No	
50% of total cover: 0	20% of	total cover	0			
Remarks: (Include photo numbers here or on a separate si	heet.)			1		

Profile Des	cription: (Describe	to the dept	h needed to docu	ment the i	ndicator	or confirm	the absence	of indicate	ors.)		
Depth	Matrix			ox Features		. 2			_		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	Loc ²	Texture	-	Remar	KS	
0-12	10YR 5/4	100					GRSICL	-			
12-16	10YR 5/6	100					GRSIC				
		·									
-	-				-						
								-			
	-										
,											
	-				-						
								-			
	Concentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.	² Location: F				
Hydric Soil	Indicators:						Indic	ators for P	roblematic	Hydric So	oils³:
Histoso	l (A1)		Dark Surface	e (S7)			2	2 cm Muck (A10) (MLR	A 147)	
	pipedon (A2)		Polyvalue Be				148) (Coast Prairie	e Redox (A	16)	
	listic (A3)		Thin Dark S			47, 148)		(MLRA 14			
	en Sulfide (A4)		Loamy Gley		F2)		F	Piedmont Flo		ils (F19)	
	ed Layers (A5)		Depleted Ma		-0)		,	(MLRA 13		(TE 4.0)	
	uck (A10) (LRR N)	o (A11)	Redox Dark	,				/ery Shallov Other (Expla)
	ed Below Dark Surface Park Surface (A12)	e (A11)	Depleted Da				_ '	Jinei (Expia	ın ın Kema	iks)	
	Mucky Mineral (S1) (L	RR N	Iron-Mangar			I RR N					
	A 147, 148)	-1111 14,	MLRA 13		00 (1 12) (1						
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Inc	dicators of h	ydrophytic '	vegetation	and
	Redox (S5)		Piedmont Fl					etland hydro			
-	d Matrix (S6)		Red Parent					nless disturb			
Restrictive	Layer (if observed):										
Type:											
Depth (ir	nches):						Hydric Soi	I Present?	Yes	No_	~
Remarks:											
. tomanto											
i											

Project/Site: Kensington	City/County: C	olumbiana	Sampling Date: 03/01/21		
Applicant/Owner: Kensington PV I, LLC		State: OH			
Investigator(s): JMM, KMP	Section, Towns				
Landform (hillslope, terrace, etc.): Hillslope	Local relief (conca	ive convex none	s). Concave Slope (%): 3-6		
Subregion (LRR or MLRA): LRRN La			88955 Datum: NAD 83		
Soil Map Unit Name: CoC: Coshocton Silt loar					
Are climatic / hydrologic conditions on the site typical					
	*				
Are Vegetation, Soil, or Hydrology					
Are Vegetation, Soil, or Hydrology			plain any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach site	map snowing sampling p	Joint location	is, transects, important reatures, etc.		
Hydrophytic Vegetation Present? Yes	No Is the S	ampled Area			
Hydric Soil Present? Yes		a Wetland?	Yes No		
Wetland Hydrology Present? Yes	No				
Remarks: Cowardin Code: PEM	HGM: Slope V	Nater Type: A	4WETABUT		
HADBOLOCA					
HYDROLOGY Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; che	ck all that apply)	<u> </u>	Surface Soil Cracks (B6)		
Surface Water (A1)	_ True Aquatic Plants (B14)	<u> </u>	Surface Soil Gracks (Bb) Sparsely Vegetated Concave Surface (B8)		
High Water Table (A2)	_ Hydrogen Sulfide Odor (C1)	-	✓ Drainage Patterns (B10)		
	_ Oxidized Rhizospheres on Livi		Moss Trim Lines (B16)		
	Presence of Reduced Iron (C4		Nicss Till Ellies (BTo) Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Recent Iron Reduction in Tilled	· -	Crayfish Burrows (C8)		
Drift Deposits (B3)	Thin Muck Surface (C7)	_	Saturation Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Other (Explain in Remarks)	_	Stunted or Stressed Plants (D1)		
Iron Deposits (B5)			Geomorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)		-	Shallow Aquitard (D3)		
Water-Stained Leaves (B9)		_	Microtopographic Relief (D4)		
Aquatic Fauna (B13)		<u></u>	FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes No	Depth (inches):				
	Depth (inches): 0				
Saturation Present? Yes V		Wetland Hy	vdrology Present? Yes No		
(includes capillary fringe)		_			
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous insp	pections), if availa	able:		
Remarks:					

30'

Sapling/Shrub Stratum (Plot size: 15')

Tree Stratum (Plot size: __

3. Epilobium coloratum

6. Lycopus americanus

2. Juncus effusus

4. Scirpus cyperinus

5. Solidago species

7. Rumex crispus

___)

50% of total cover: ___0

% Cover Species? Status

= Total Cover

0 _ = Total Cover

5

5

5

50% of total cover: 55 20% of total cover: 22

50% of total cover: 0 20% of total cover:

15____

20% of total cover: 0

110 = Total Cover

0 = Total Cover

FACW

FACW

FACW

FACW

ND

OBL

FAC

50% of total cover: ___0 __ 20% of total cover: ___0

	nt: <u>W-JM30</u>						
Dominance Test worksheet:							
Number of Dominant Species That Are OBL, FACW, or FAC:	1	(A)					
Total Number of Dominant Species Across All Strata:	1	(B)					
Percent of Dominant Species That Are OBL, FACW, or FAC:	100%	(A/B)					
Prevalence Index worksheet:							
Total % Cover of:	Multiply by:						
OBL species x	1 =						
FACW species x 2							
FAC species x 3							
	4 =						
UPL species x s							
Column Totals: (A))	(B)					
Prevalence Index = B/A =		_					
Hydrophytic Vegetation Indicat	tors:						
1 - Rapid Test for Hydrophyt	ic Vegetation						
✓ 2 - Dominance Test is >50%							
3 - Prevalence Index is ≤3.0 ¹							
4 - Morphological Adaptations¹ (Provide supporting							
data in Remarks or on a separate sheet)							
Problematic Hydrophytic Veg							
¹ Indicators of hydric soil and wetle be present, unless disturbed or p	and hydrology roblematic.	must					
Definitions of Four Vegetation	Strata:						
Tree – Woody plants, excluding v	vines, 3 in. (7.6						
more in diameter at breast height height.	,, -3	lless of					
more in diameter at breast height	excluding vine	s, less					
more in diameter at breast height height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than 6	excluding vines or equal to 3.2 dy) plants, rega	s, less 8 ft (1					
more in diameter at breast height height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than 6 m) tall. Herb – All herbaceous (non-wood)	excluding vine or equal to 3.2 dy) plants, rega an 3.28 ft tall.	s, less 8 ft (1 ardless					

Remarks: (Include photo numbers here or on a separate sheet.)

Woody Vine <u>Stratum</u> (Plot size: ______)

Depth (inches)	Matrix Color (moist)	%	Color (moist)	<u>k Features</u> %	Type ¹	Loc²	Texture	Remarks
0-20	10YR 4/2	90	7.5YR 4/6	10	C	M/PL	SICL	Remarks
0-20	10111 4/2		7.5111 4/0					
		etion, RM=	Reduced Matrix, MS	S=Masked	Sand G	rains.		_=Pore Lining, M=Matrix.
ydric Soil Ir								tors for Problematic Hydric Soils ³ :
_ Histosol (Dark Surface		(0.0) (cm Muck (A10) (MLRA 147)
_ Histic Epi _ Black His	pedon (A2)		Polyvalue Be Thin Dark Su					past Prairie Redox (A16) (MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			147, 140)		edmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mat		_,			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S		6)			ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar				Ot	ther (Explain in Remarks)
	rk Surface (A12)		Redox Depre			# DD N		
	ucky Mineral (S1) (L	.RR N,	Iron-Mangane		es (F12)	(LRR N,		
	147, 148) eyed Matrix (S4)		MLRA 136 Umbric Surfa	•	MIRA 1	36 122)	³ Indi	cators of hydrophytic vegetation and
Sandy Re			Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent M					ess disturbed or problematic.
estrictive L	ayer (if observed):							
Туре:			<u></u>					
Depth (inc	hes):		<u></u>				Hydric Soil	Present? Yes 🖊 No
emarks:							·	

Wetland ID W-JM30

Cowardin Code PEM Date 03/01/21



Photograph Number 661 Photograph Direction NNW

Comments:



Photograph Number <u>662</u> Photograph Direction SSE

Comments:

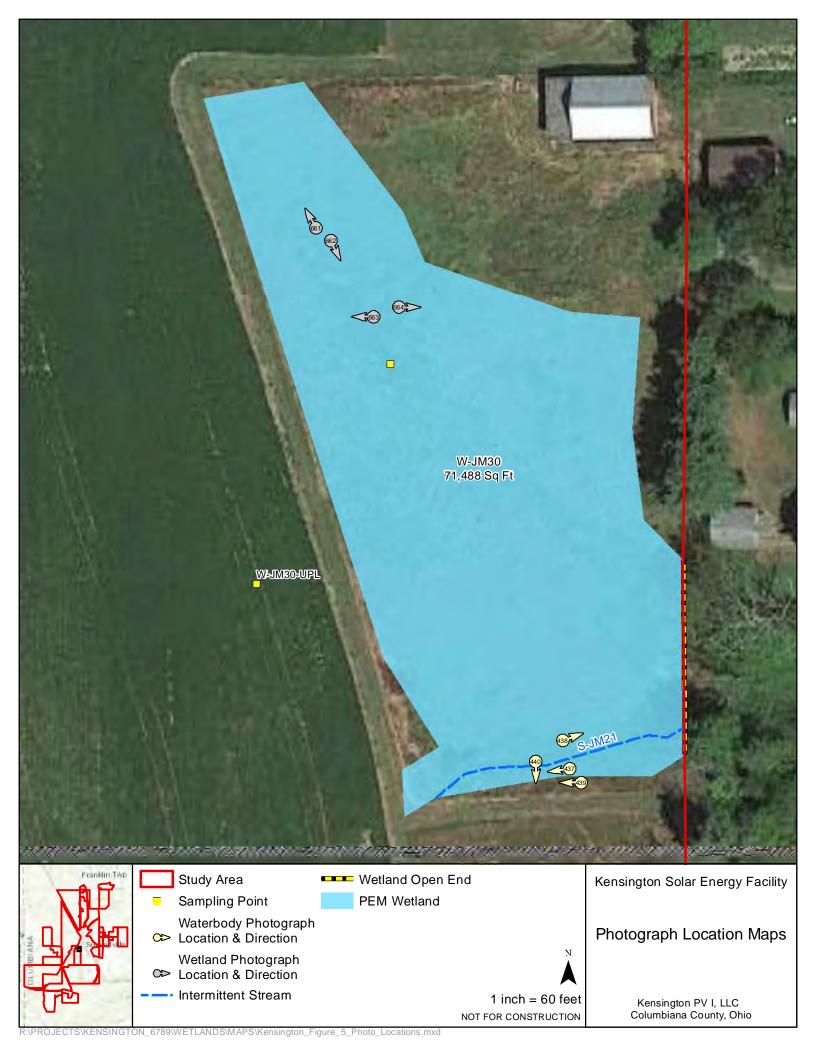


Photograph Number <u>663</u> Photograph Direction West

Comments:



Photograph Number ___664 Photograph Direction East



Project/Site: Kensington	City/Co	_{untv:} Columbiana	Sampling Date: 03/01/21
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-JM30-UPL
	Section		
Landform (hillslope, terrace, etc.): Gentle Hillsl	ope Local relief	f (concave, convex, none	e): Linear Slope (%): 0-5%
Subregion (LRR or MLRA): LRRN			889866NAD 83
Soil Map Unit Name: CoC: Coshocton silt loa	am, 6 to 15 percent slo		
Are climatic / hydrologic conditions on the site typic	al for this time of year? Yes	s No (I	f no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbe	ed? Are "Normal (Circumstances" present? Yes V
Are Vegetation, Soil, or Hydrology			rplain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach sit			
Hydrophytic Vegetation Present? Yes	No_ 🗸		· · · · · · · · · · · · · · · · · · ·
	No.	Is the Sampled Area	
	No	within a Wetland?	Yes No
Remarks: Cowardin Code: UPLAND	HGM:	Water Type:	
HYDROLOGY			
Wetland Hydrology Indicators:		,	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; of	heck all that apply)	·	Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor		Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizospheres	on Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduced I	ron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction	in Tilled Soils (C6)	Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Rema	arks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)		-	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		-	Shallow Aquitard (D3)
Water-Stained Leaves (B9)Aquatic Fauna (B13)		-	Microtopographic Relief (D4)FAC-Neutral Test (D5)
Field Observations:		-	PAC-Neutral Test (D3)
	Depth (inches):		
	Depth (inches):		
	Depth (inches):		ydrology Present? Yes No
(includes capillary fringe)	Deptit (inches)	welland ny	ydrology Fresent: Tes No
Describe Recorded Data (stream gauge, monitori	ng well, aerial photos, previ	ous inspections), if avail	able:
Demorker			
Remarks:			

Sampling Point: W-JM30-UPL

30'	Absolute	Dominant		Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	<u>Status</u>	Number of Dominant Species	0	
1				That Are OBL, FACW, or FAC:	0	(A)
2				Total Number of Dominant		
3				Species Across All Strata:	2	(B)
4						
5				Percent of Dominant Species	0%	(A /D)
				That Are OBL, FACW, or FAC:		(A/B)
6	-			Prevalence Index worksheet:		
7				Total % Cover of:	Multiply by:	
		= Total Cov		OBL species x		
50% of total cover: 0	20% of	total cover:	. 0			
Sapling/Shrub Stratum (Plot size: 15')				FACW species x		
1				FAC species x		
2				FACU species x		
3				UPL species x	5 =	_
4				Column Totals: (A	۸)	(B)
5			·			
				Prevalence Index = B/A =		_
6				Hydrophytic Vegetation Indica	ators:	
7				1 - Rapid Test for Hydrophy	tic Vegetation	
8				2 - Dominance Test is >50%	6	
9				3 - Prevalence Index is ≤3.0		
	0	= Total Cov	er	4 - Morphological Adaptatio		oporting
50% of total cover:0		total cover:				-
Herb Stratum (Plot size: 5'				data in Remarks or on a	• •	
1. Phleum pratense	60	~	FACU	Problematic Hydrophytic Ve	getation' (Expla	ain)
2 Dactylis glomerata	20		FACU			
3 Achillea millefolium	10		FACU	¹ Indicators of hydric soil and we		must
4 Plantago major	5	-	FACU	be present, unless disturbed or	problematic.	
5 Taraxacum officinale	5			Definitions of Four Vegetation	Strata:	
0	5		FACU UPL	Tree Weeds plants evaluating)
6. Daucus carota	5		UPL	Tree – Woody plants, excluding more in diameter at breast heigh		
7			. <u> </u>	height.	1. (<i>DD</i> 11), rogara	
8						
9				Sapling/Shrub – Woody plants, than 3 in. DBH and greater than		
10				m) tall.	or equal to 5.20	511 (1
		-		ŕ		
11	105			Herb – All herbaceous (non-woo	ody) plants, rega	ardless
52.6		= Total Cov	er 21	of size, and woody plants less th	nan 3.28 ft tail.	
50% of total cover:52.5	20% of	total cover:		Woody vine – All woody vines	greater than 3.2	8 ft in
Woody Vine Stratum (Plot size: 15')				height.		
1						
2						
3						
4						
5.				Hydrophytic Vegetation		
<u></u>	0	= Total Cov	or	Present? Yes	No 🗸	
50% of total cover: 0		total cover:	_			
		total cover.	<u> </u>			
Remarks: (Include photo numbers here or on a separate s	neet.)					

Profile Des	cription: (Describe	to the dept	h needed to docu	ment the i	ndicator	or confirm	the absence	e of indicators.)	
Depth	Matrix			ox Features		. 2		_	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	Loc ²	Texture		marks
0-12	10YR 5/4	100					GRSICL	· -	
12-16	10YR 5/6	100					GRSIC		
	-	. ——						· ·	
		. ———							
								<u> </u>	
		· 							
-	-	. ——						· ·	
	-								
	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.		PL=Pore Lining, M=	
Hydric Soil	Indicators:						Indic	ators for Problem	natic Hydric Soils³:
Histoso	I (A1)		Dark Surface	e (S7)			2	2 cm Muck (A10) (N	/ILRA 147)
	pipedon (A2)		Polyvalue B				148) (Coast Prairie Redo	x (A16)
	istic (A3)		Thin Dark S			47, 148)		(MLRA 147, 148)	
	en Sulfide (A4)		Loamy Gley		F2)		F	Piedmont Floodplai	
	d Layers (A5)		Depleted Ma		-0)		,	(MLRA 136, 147)	•
	uck (A10) (LRR N)	o (A11)	Redox Dark	,	,			Very Shallow Dark Other (Explain in Ro	
	d Below Dark Surface ark Surface (A12)	e (A11)	Depleted Da Redox Depr				_ '	Julier (Explain in Ri	emarks)
	Mucky Mineral (S1) (L	RR N	Iron-Mangar			RRN			
	A 147, 148)	-1111 14,	MLRA 13		00 (1 12) (1				
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Inc	dicators of hydroph	ytic vegetation and
	Redox (S5)		Piedmont FI					etland hydrology m	
-	d Matrix (S6)		Red Parent					nless disturbed or p	
Restrictive	Layer (if observed):								-
Type:									
Depth (in	iches):						Hydric Soi	I Present? Yes	No <u> </u>
Remarks:	,								
romano									

Project/Site: Kensington	City/Co	ountv: Columbiana	Sampling Date: 03/01/21
Applicant/Owner: Kensington PV I, LLC		State: OH	
	Sectio		
Landform (hillslope, terrace, etc.): Hillslope			
Subregion (LRR or MLRA): LRRN		-80 -80	.889834 Datum: NAD 83
Soil Map Unit Name: CoC: Coshocton Silt lo	pam, 6 to 15 percent s	lopes	NWI classification. None
Are climatic / hydrologic conditions on the site typ			
Are Vegetation, Soil, or Hydrology	·		
Are Vegetation, Soil, or Hydrology			explain any answers in Remarks.) ons, transects, important features, etc.
Sommart of Thebros - Attach si		ping point location	mis, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes _	No	Is the Sampled Area	
Hydric Soil Present? Yes _	No	within a Wetland?	Yes No
Wetland Hydrology Present? Yes _	No		
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type:	A4WETARTSEP
	•	• •	
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (E		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odd		Drainage Patterns (B10)
Saturation (A3)	✓ Oxidized Rhizosphere		Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduced	` ,	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction		Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Iron Deposits (B5)	Other (Explain in Rem	iaiks)	Stunted or Stressed Plants (D1)Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-Neutral Test (D5)
Field Observations:			
	✓ Depth (inches):		
Water Table Present? Yes No	Depth (inches):		
	Depth (inches):		lydrology Present? Yes _ ✓ No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monito	ring well, aerial photos, prev	vious inspections), if ava	ilable:
Remarks:			
ixemarks.			

30'

Sapling/Shrub Stratum (Plot size: 15')

2. Phalaris arundinacea

5. Microstegium vimineum

Woody Vine <u>Stratum</u> (Plot size: ______)

Tree Stratum (Plot size: __

Herb Stratum (Plot size: ___

1. Juncus effusus

3. Carex frankii

4. Juncus tenuis

6. Scirpus atrovirens

7. Phleum pratense

___)

50% of total cover: ___0

% Cover Species? Status

= Total Cover

0 _ = Total Cover

5

20

15

10

50% of total cover: 50 20% of total cover: 20

50% of total cover: 0 20% of total cover:

5

20% of total cover: 0

100 = Total Cover

0 = Total Cover

FACW

FACW

OBL

FAC

FAC

FACW

FACU

50% of total cover: ___0 __ 20% of total cover: ___0

	Sampling Poi	nt: <u>W-JM31</u>	
	Dominance Test worksheet:		
_	Number of Dominant Species That Are OBL, FACW, or FAC:	3	(A)
-	Total Number of Dominant Species Across All Strata:	3	(B)
-	Percent of Dominant Species That Are OBL, FACW, or FAC:	100%	(A/B)
-	Prevalence Index worksheet:		
-	Total % Cover of:	Multiply by:	
	OBL species x		
-			
	FACW species x 2		
-		3 =	
_		1 =	
_	UPL species x 5	5 =	_
-	Column Totals: (A)		_ (B)
-	Prevalence Index = B/A =		-
-	Hydrophytic Vegetation Indicat		
-	1 - Rapid Test for Hydrophyti	c Vegetation	
-	✓ 2 - Dominance Test is >50%		
-	3 - Prevalence Index is ≤3.0 ¹		
	4 - Morphological Adaptation	s ¹ (Provide sup	porting
-	data in Remarks or on a s	eparate sheet)	
_	Problematic Hydrophytic Veg	getation ¹ (Explai	in)
-	¹ Indicators of hydric soil and wetle be present, unless disturbed or p	and hydrology r roblematic.	nust
_	Definitions of Four Vegetation	Strata:	
	Tree – Woody plants, excluding wore in diameter at breast height height.	vines, 3 in. (7.6	
	Sapling/Shrub – Woody plants, than 3 in. DBH and greater than 6 m) tall.		
-	Herb – All herbaceous (non-wood of size, and woody plants less that		rdless
-	Woody vine – All woody vines gr height.	eater than 3.28	ft in
-			
-			
_			
	Hydrophytic		
	Hydrophytic Vegetation		
	Present? Yes	No	
-			

Remarks: (Include photo numbers here or on a separate sheet.)

	cription: (Describe t	to the dept			icator or confi	rm the absence	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Features % 1	Type ¹ Loc ²	Texture	Remarks
0-10	10YR 5/2	90	7.5YR 4/6		C M/PL		
10-20	10YR 5/3	90	7.5YR 4/6		C M/PL	GRSICL	
10-20	101113/3		7.5111 4/0	<u> 10 (</u>	<u> </u>	GIIOIOL	
						_	
					-		
						_	
						_	
¹Type: C=Ce	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked Sa	and Grains.	² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil		,	,				ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)		2	2 cm Muck (A10) (MLRA 147)
	pipedon (A2)				(S8) (MLRA 1 4		Coast Prairie Redox (A16)
Black Hi	istic (A3)		Thin Dark Su	rface (S9) (N	ILRA 147, 148		(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye)	F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat	. ,			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark S	, ,			Very Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar		7)	<u> </u>	Other (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depre		(E40) (LDD N		
	Mucky Mineral (S1) (L	.KK N,			(F12) (LRR N,		
	A 147, 148) Gleyed Matrix (S4)		MLRA 130	•	RA 136, 122)	3Inc	dicators of hydrophytic vegetation and
	Redox (S5)				(F19) (MLRA		etland hydrology must be present,
	Matrix (S6)) (MLRA 127, 1		nless disturbed or problematic.
	Layer (if observed):				, (,	1	nooc distanced of processingness
Type:	, ,						
	ches):					Hydric Soi	I Present? Yes V No No
Remarks:			_			11,4	······································
rtemants.							

Wetland ID W-JM31

Cowardin Code PEM Date 03/01/21



Photograph Number <u>665</u>

Photograph Direction North





Photograph Number <u>666</u> Photograph Direction $\underline{^{NNE}}$

Comments:



Photograph Number 667

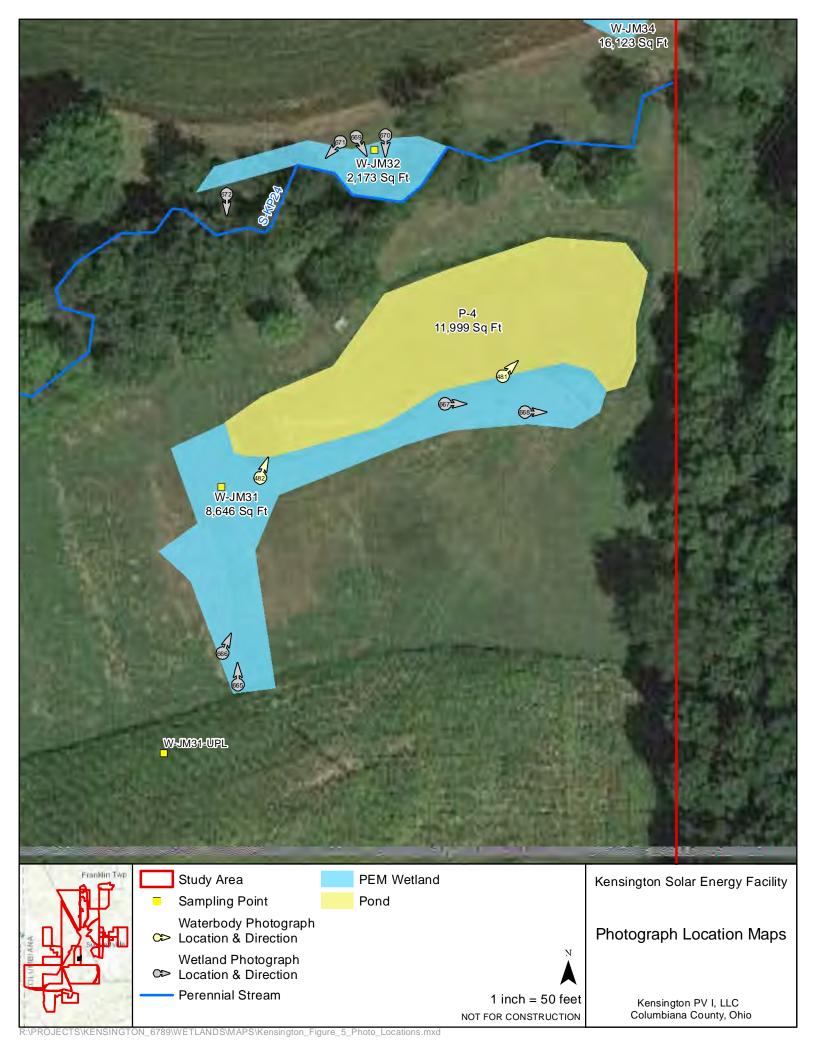
Photograph Direction East

Comments:



Photograph Number ___668

Photograph Direction East



Project/Site: Kensington	City/Cour	_{ntv:} Columbiana	Sampling Date: 03/01/21
Applicant/Owner: Kensington PV I, LLC		State: OH	
	Section,		
Landform (hillslope, terrace, etc.): Gentle Hills	lope Local relief (concave convex non	e). Linear Slope (%): 0-3%
Subregion (LRR or MLRA): LRRN	1 at: 40 674259		889951 Datum: NAD 83
Soil Map Unit Name: CoC: Coshocton silt lo	am 6 to 15 percent slop	es	Datum. 17 15 N/A
Are climatic / hydrologic conditions on the site typi	•		
Are Vegetation, Soil, or Hydrology			Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology	naturally problematic	? (If needed, ex	xplain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach sit	e map showing sampl	ing point location	ns, transects, important features, etc.
Lindraphytia Varatation Procest?	No. V		
	No V	the Sampled Area	
Wetland Hydrology Present? Yes	No w	ithin a Wetland?	Yes No
Remarks: Cowardin Code: UPLAND	l l	Water Type:	
Cowardin Code. OPLAND	поілі.	Water Type:	
HYDROLOGY			
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14	4)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizospheres of	on Living Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduced Iro	on (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in	Tilled Soils (C6)	Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7)		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remar	ks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)			Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)
Water-Stained Leaves (B9)			Microtopographic Relief (D4)
Aquatic Fauna (B13)			FAC-Neutral Test (D5)
Field Observations:	•		
Surface Water Present? Yes No _	Depth (inches):		
	Depth (inches):		
Saturation Present? Yes No _ (includes capillary fringe)	Depth (inches):	Wetland H	ydrology Present? Yes No
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previo	us inspections), if avail	lable:
Remarks:			

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: W-JM31-UPL

Tree Stratum (Plot size: 30')	0/ 0	0	Ctatura	Dominance rest worksneet.
		Species?	Status	Number of Dominant Species That Are OBL_FACW_or_FAC: 0 (A)
1,				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC:0% (A)
6				Prevalence Index worksheet:
7				
		= Total Cov	_	
50% of total cover:0	20% of	total cover:	0	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1				FAC species x 3 =
2				FACU species x 4 =
3				UPL species x 5 =
4				Column Totals: (A) (E
5				B 1 1 1 50
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9	0	Tatal Car		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 0		= Total Cov		4 - Morphological Adaptations ¹ (Provide support
<u></u>	20 /6 01	total cover.		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5) 1. Phleum pratense	60	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dactylis glomerata	20		FACU	
2. Achillea millefolium	10			¹ Indicators of hydric soil and wetland hydrology must
*` <u> </u>	<u> </u>		FACU	be present, unless disturbed or problematic.
4. Plantago major			FACU	Definitions of Four Vegetation Strata:
5. Taraxacum officinale			FACU UPL	Tree Woody plants evaluating vince 2 in (7.6 cm)
6. Daucus carota	5		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless
7				height.
8				Sanling/Shrub Woody plants evaluding vines les
9				Sapling/Shrub – Woody plants, excluding vines, les than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardles
	105	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 52.5	20% of	total cover	21	
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in height.
				Troight.
1.				
•				
2				
2				Hydrophytic
2		Tatal Cau		Vegetation
2	0	= Total Cov	^	1 , , ,

Profile Des	cription: (Describe	to the dept	h needed to docu	ment the i	ndicator	or confirm	the absence	e of indicators.)	
Depth	Matrix			ox Features		. 2		_	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	Loc ²	Texture		marks
0-12	10YR 5/4	100					GRSICL	· -	
12-16	10YR 5/6	100					GRSIC		
	-	. ——						· ·	
		. ———							
		· 							
-	-	. ——						· ·	
	-								
	oncentration, D=Dep	letion, RM=	Reduced Matrix, M	S=Masked	Sand Gra	ains.		PL=Pore Lining, M=	
Hydric Soil	Indicators:						Indic	ators for Problem	natic Hydric Soils³:
Histoso	I (A1)		Dark Surface	e (S7)			2	2 cm Muck (A10) (N	/ILRA 147)
	pipedon (A2)		Polyvalue B				148) (Coast Prairie Redo	x (A16)
	istic (A3)		Thin Dark S			47, 148)		(MLRA 147, 148)	
	en Sulfide (A4)		Loamy Gley		F2)		F	Piedmont Floodplai	
	d Layers (A5)		Depleted Ma		-0)		,	(MLRA 136, 147)	•
	uck (A10) (LRR N)	o (A11)	Redox Dark	,	,			Very Shallow Dark Other (Explain in Ro	
	d Below Dark Surface ark Surface (A12)	e (A11)	Depleted Da Redox Depr				_ '	Julier (Explain in Ri	emarks)
	Mucky Mineral (S1) (L	RR N	Iron-Mangar			RRN			
	A 147, 148)	-1111 14,	MLRA 13		00 (1 12) (1				
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Inc	dicators of hydroph	ytic vegetation and
	Redox (S5)		Piedmont FI					etland hydrology m	
-	d Matrix (S6)		Red Parent					nless disturbed or p	
Restrictive	Layer (if observed):								-
Type:									
Depth (in	iches):						Hydric Soi	I Present? Yes	No <u> </u>
Remarks:	,								
romano									

Project/Site: Kensington	City/County: C	olumbiana	Sampling Date: 03/01/21
Applicant/Owner: Kensington PV I, LLC		State: OH	
	Section, Towns		
Landform (hillslope, terrace, etc.): Floodplain			: Concave Slope (%): 2-4
Subregion (LRR or MLRA): LRRN	1 at: 40.675116		89535 Datum: NAD 83
Soil Map Unit Name: CoC: Coshocton Silt Io	am, 6 to 15 percent slopes		
Are climatic / hydrologic conditions on the site typi			
Are Vegetation, Soil, or Hydrology	·		_
Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS – Attach sit			olain any answers in Remarks.) s. transects, important features, etc.
	,		
Hydrophytic Vegetation Present? Yes	No Is the S	ampled Area	
Hydric Soil Present? Yes		Wetland?	Yes No
Wetland Hydrology Present? Yes Remarks: Coverdin Codo: DEM	No		
Cowardin Code: PEM	HGM: Riverine V	Vater Type: A₄	4WETABUT
HYDROLOGY			
Wetland Hydrology Indicators:		S	econdary Indicators (minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)		_ Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	_	Drainage Patterns (B10)
Saturation (A3)	 Oxidized Rhizospheres on Living 	ng Roots (C3)	Moss Trim Lines (B16)
Water Marks (B1)	Presence of Reduced Iron (C4		_ Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in Tilled	Soils (C6)	_ Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7)	_	_ Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	_	_ Stunted or Stressed Plants (D1)
Iron Deposits (B5)		<u></u>	Ceomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		_	_ Shallow Aquitard (D3)
Water-Stained Leaves (B9)		_	Microtopographic Relief (D4)
Aquatic Fauna (B13)		<u>v</u>	FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes No _	Depth (inches):		
	Depth (inches):		,
	Depth (inches):	Wetland Hyd	drology Present? Yes V No No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous insp	 pections), if availa	ble:
Benedic			
Remarks:			

Sampling	Point: W-JM32
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Troo Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC:1 (A)
2				Total Number of Descinant
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				(2)
				Percent of Dominant Species That Are ORL FACW or FAC: 100% (A/R)
5				That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 0	20% of	total cover:	0	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1				FAC species x 3 =
				FACU species x 4 =
2				UPL species x 5 =
3		-		
4				Column Totals: (A) (B)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				
				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9	_			3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:0	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size:5')				Problematic Hydrophytic Vegetation¹ (Explain)
1. Phalaris arundinacea	85		FACW	Problematic Hydrophytic Vegetation (Explain)
2. Rumex crispus	5		FAC	
3. Solidago gigantea	5	·	FACW	¹ Indicators of hydric soil and wetland hydrology must
4 Eutrochium maculatum			FACW	be present, unless disturbed or problematic.
"			7.077	Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8.				Sanling/Shrub = \\/\cody plants avaluding vines less
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
9	100	= Total Cov	 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9	100		 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9	100	= Total Cov	 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
9	100 20% of	= Total Cov total cover:	 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
9		= Total Cov total cover:	 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
9		= Total Cov total cover:	 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
9	10020% of	= Total Cov total cover:	 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
9	10020% of	= Total Cov total cover:	 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
9	100 : 20% of	= Total Cov total cover:	 er	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
9		= Total Cov total cover:	er 20	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation

(inches)	Matrix Color (moist)	<u></u> %	Redox Color (moist)	Features %	Type ¹	Loc ²	Texture		Remarks	
0-20	10YR 4/2	90	7.5YR 4/6	10	C	M/PL	SIL		Nemans	
0-20	10111 4/2		7.5111 4/0			IVI/I L	- JIL			
			_							
ype: C=Co	ncentration, D=Depl	letion, RM=l	Reduced Matrix, MS	=Masked	Sand Gr	ains.	² Location: F	L=Pore Linir	ng, M=Matrix.	
dric Soil I	ndicators:						Indic	ators for Pr	oblematic Hy	dric Soils ³ :
_ Histosol (A1)		Dark Surface	(S7)			2	2 cm Muck (A	(10) (MLRA 1	47)
_ Histic Ep	pedon (A2)		Polyvalue Be	low Surfac	ce (S8) (I	/ILRA 147,	148) (Coast Prairie	Redox (A16)	
_ Black His			Thin Dark Su			147, 148)		(MLRA 14		
	Sulfide (A4)		Loamy Gleye	•	=2)		F		odplain Soils	(F19)
	Layers (A5)		Depleted Mat					(MLRA 13		
	ck (A10) (LRR N)	- (0.4.4)	Redox Dark S						Dark Surface	
_	Below Dark Surface	e (A11)	Depleted Dar				_ (Jtner (Expiai	n in Remarks)
	rk Surface (A12) ucky Mineral (S1) (L	DD N	Redox Depre			I DD NI				
	147, 148)	.KK N,	MLRA 13		5 (F 12) (LKK N,				
	eyed Matrix (S4)		Umbric Surfa	•	MIRA 1	(6, 122)	³ Inc	dicators of hy	drophytic veg	etation and
	edox (S5)		Piedmont Flo						ogy must be p	
	Matrix (S6)		Red Parent M					-	ed or problem	
	ayer (if observed):						<u>, </u>		<u>'</u>	
Type:	,									
Depth (inc	hes):						Hydric Soi	I Present?	Yes 🗸	No
(.,			
emarks:										
emarks:										
emarks:										
emarks:										
emarks:										
emarks:										
emarks:										
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Wetland ID W-JM32

Cowardin Code PEM Date 03/01/21



Photograph Number <u>669</u> Photograph Direction SSE

Comments:



Photograph Number 670 Photograph Direction South

Comments:

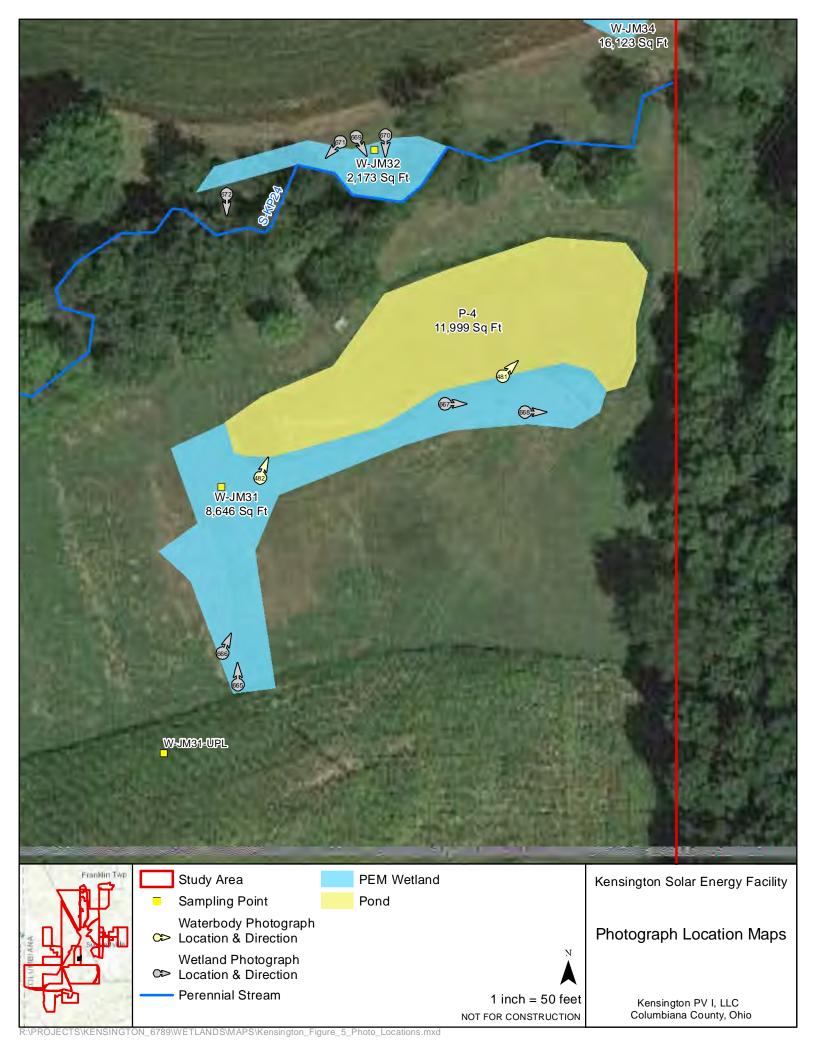


Photograph Number 671 Photograph Direction SW

Comments:



Photograph Number 672 Photograph Direction South



Project/Site: Kensington	City/Cour	_{ntv:} Columbiana	Sampling Date: 03/01/21				
Project/Site: Kensington City/County: Columbiana Sampling Date: 03/01/21 Applicant/Owner: Algonquin Power Service Canada State: OH Sampling Point: W-JM33							
	Section,						
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, non-	e); Concave Slope (%); 3-6				
Subregion (LRR or MLRA): LRRN	Lat: 40.676411	Long80.8	891992 _{Datum:} NAD 83				
Soil Map Unit Name: CoC: Coshocton Silt loa	am, 6 to 15 percent slop	 bes	NIWI classification: NONE				
Are climatic / hydrologic conditions on the site typic							
Are Vegetation, Soil, or Hydrology	· · · · · · · · · · · · · · · · · · ·						
Are Vegetation, Soil, or Hydrology, SUMMARY OF FINDINGS – Attach site			xplain any answers in Remarks.) ns. transects important features etc.				
Command of Findings Accounts			ing, transcotts, important reatures, etc.				
Hydrophytic Vegetation Present? Yes	No Is	the Sampled Area					
Hydric Soil Present? Yes	No wi	ithin a Wetland?	Yes No				
Wetland Hydrology Present? Yes	No						
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type: A	A4WETABUT				
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; c	heck all that apply)	•	Surface Soil Cracks (B6)				
Surface Water (A1)	True Aquatic Plants (B14	1)	Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)	Hydrogen Sulfide Odor (✓ Drainage Patterns (B10)				
Saturation (A3)	 Oxidized Rhizospheres of 		Moss Trim Lines (B16)				
Water Marks (B1)	Presence of Reduced Iro		Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Recent Iron Reduction in		Crayfish Burrows (C8)				
Drift Deposits (B3)	Thin Muck Surface (C7)		Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Remark	ks)	Stunted or Stressed Plants (D1)				
Iron Deposits (B5)			✓ Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)				
Water-Stained Leaves (B9)			Microtopographic Relief (D4)				
Aquatic Fauna (B13)			FAC-Neutral Test (D5)				
Field Observations:							
	Depth (inches):	_					
	Depth (inches):0	_					
	Depth (inches):0	Wetland H	ydrology Present? Yes <u>/</u> No				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitori	na well serial photos, previou	us inspections) if avail	lahle:				
Bosonibe Recorded Bata (stream gauge, monitori	ing well, dental priotos, previou	ao mopeodono), n avan	able.				
Remarks:							

Sapling/Shrub Stratum (Plot size: 15')

Tree Stratum (Plot size: __

Absolute Dominant Indicator

% Cover Species? Status

_ = Total Cover

0 = 1 otal Cover 50% of total cover: 0 20% of total cover: 0

Sampling	Poi	nt: <u>W-JM33</u>	
Dominance Test worksheet	t:		
Number of Dominant Species That Are OBL, FACW, or FAC		1	(A)
Fotal Number of Dominant Species Across All Strata:	1	(B)	
Percent of Dominant Species That Are OBL, FACW, or FAC		100%	(A/B)
Prevalence Index workshee	et:		
Total % Cover of:	_	Multiply by:	
OBL species	x 1	=	_
FACW species	x 2	2 =	_
FAC species	х 3	B =	_
FACU species	x 4	l =	_
JPL species	x 5	ō =	_
Column Totals:	(A)		(B)

3			
4			
5			
6			·
7			
8			
9.			
	0	= Total Cov	er
50% of total cover:0		f total cover	
Herb Stratum (Plot size:5')			
1. Phalaris arundinacea	90	/	FACW
2. Rumux crispus	5		FAC
3. Juncus effusus	5		FACW
4.			
5			
6			
7			
8			· -
9			
10			
11.			
	100	= Total Cov	· · · · · · · · · · · · · · · · · · ·
50% of total cover: 50			
Woody Vine Stratum (Plot size: 15')			
1			
2			
3			
4			· -
5	0	= Total Cov	or.
50% of total cover:0			
Remarks: (Include photo numbers here or on a separate sh			

Hydrophytic Vegetation Indicator	٠.
Prevalence Index = B/A =	

- 1 Rapid Test for Hydrophytic Vegetation
- ✓ 2 Dominance Test is >50%
- _ 3 Prevalence Index is ≤3.0¹
- 4 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present?

Yes _ _ No ____

Profile Desc	cription: (Describe to	o the depth	needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	K Features	S _ 1			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	<u>Texture</u>	<u>Remarks</u>
0-10	10YR 4/2	90	7.5YR 4/6	10	<u>C</u>	M/PL	SIL	-
10-20	10YR 5/2	85	7.5YR 4/6	15	С	M/PL	SICL	
					•			
¹ Type: C=Ce	oncentration, D=Deple	etion, RM=R	educed Matrix, MS	S=Masked	Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	oipedon (A2)		Polyvalue Be	low Surfac	ce (S8) (N	/ILRA 147,	148) C	coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		F2)		P	riedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat		- \			(MLRA 136, 147)
	ıck (A10) (LRR N) d Below Dark Surface	(//11)	Redox Dark S Depleted Dar	•	,			ery Shallow Dark Surface (TF12) Other (Explain in Remarks)
	ark Surface (A12)	(A11)	Redox Depre					otter (Explain in Kemarks)
	/lucky Mineral (S1) (L l	RR N.	Iron-Mangane			LRR N.		
	A 147, 148)	· · · · · · · · · · · · · · · · · · ·	MLRA 136			,		
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Ind	icators of hydrophytic vegetation and
Sandy R	Redox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	8) we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent M	faterial (F	21) (MLR	A 127, 147	') un	less disturbed or problematic.
Restrictive I	Layer (if observed):							
Type:			<u>—</u>					
Depth (in	ches):		<u>—</u>				Hydric Soil	Present? Yes No
Remarks:								

Wetland ID W-JM33

Cowardin Code PEM Date 03/01/21



Photograph Number <u>673</u> Photograph Direction NNE

Comments:



Photograph Number 674 Photograph Direction West

Comments:

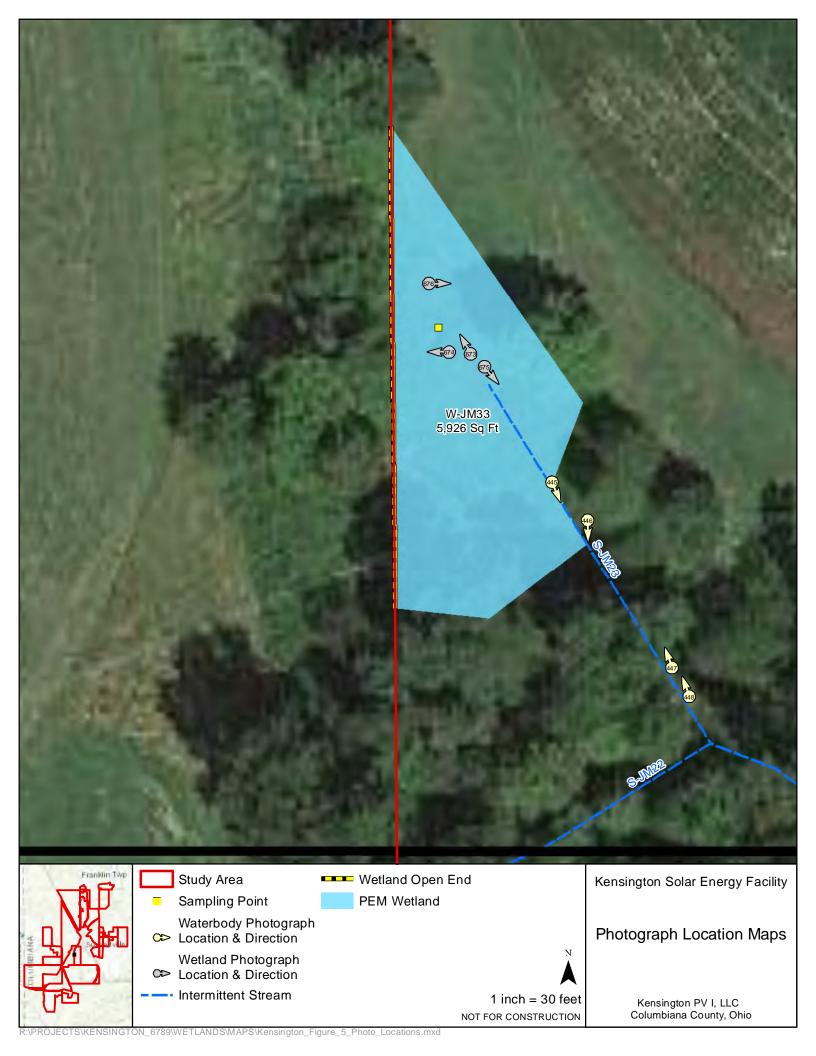


Photograph Number 675 Photograph Direction SE

Comments:



Photograph Number <u>676</u> Photograph Direction East



Project/Site: Kensington	City/Co	ounty: Columbiana	Sampling Date: 03/01/21				
Applicant/Owner: Kensington PV I, LLC		State: OH					
	Sectio						
Landform (hillslope, terrace, etc.): Gentle Hillslo	ope Local relie	of (concave convex non	Slone (%): 0-3%				
Subregion (LRR or MLRA): LRRN	1 at. 40 675984	80.	891162 Datum: NAD 83				
Soil Map Unit Name: CoC: Coshocton silt loa	m 6 to 15 percent sl	ones	Datum. 117 12 00				
Are climatic / hydrologic conditions on the site typic			· · · · · · · · · · · · · · · · · · ·				
Are Vegetation, Soil, or Hydrology _	significantly disturb	ped? Are "Normal	Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology _	naturally problema	tic? (If needed, e	xplain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site	e map showing sam	pling point locatio	ns, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No Is the Sampled Area.							
	No V	Is the Sampled Area	.,				
Wetland Hydrology Present? Yes	No V	within a Wetland?	Yes No				
Describe	L	\Matax Turas					
Cowardin Code: UPLAND	HGM:	Water Type:					
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; c	neck all that apply)		Surface Soil Cracks (B6)				
	True Aquatic Plants (E	<u> </u>	Sparsely Vegetated Concave Surface (B8)				
· ·	Hydrogen Sulfide Odd		Drainage Patterns (B10)				
Saturation (A3)		s on Living Roots (C3)	Moss Trim Lines (B16)				
	Presence of Reduced	Iron (C4)	Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Recent Iron Reduction	n in Tilled Soils (C6)	Crayfish Burrows (C8)				
Drift Deposits (B3)	Thin Muck Surface (C	7)	Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Rem	narks)	Stunted or Stressed Plants (D1)				
Iron Deposits (B5)			Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)				
Water-Stained Leaves (B9)			Microtopographic Relief (D4)				
Aquatic Fauna (B13)			FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? Yes No	Depth (inches):						
Water Table Present? Yes No	Depth (inches):						
	Depth (inches):	Wetland H	ydrology Present? Yes No				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitori	ng well aerial photos, prev	vious inspections) if avai	ilahle:				
Describe resorded Data (stream gauge, monten	ig well, delial priotos, pret	nous mopeodions), ii uvui	idolo.				
Remarks:							

Sampling Point: W-KP09, JM33-UPL

Tree Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:		
Tree Stratum (Plot size: 30°) 1 Quercus rubra	<u>% Cover</u>	Species? ✓	FACU	Number of Dominant Species	0	
1. Quercus rubia 2. Acer saccharum	15			That Are OBL, FACW, or FAC:		(A)
3. Prunus serotina	5		FACU FACU	Total Number of Dominant	6	
· ·		-	1 400	Species Across All Strata:		(B)
4		-		Percent of Dominant Species	00/	
5				That Are OBL, FACW, or FAC:	0%	(A/B)
6		-		Prevalence Index worksheet:		
7				Total % Cover of:	Multiply by:	
25		= Total Cov	4.0	OBL species x 1		
50% of total cover: <u>25</u>	20% of	total cover:	10			
Sapling/Shrub Stratum (Plot size: 15')	25		E4011	FACW species x 2		
1. Rosa multiflora	25		FACU_	FAC species x 3		
2. Rubus occidentalis	10		F <u>ACU</u>	FACU species x 4		
3. Rubus allegheniensis	5		F <u>ACU</u>	UPL species x 5		
4				Column Totals: (A)		(B)
5				Prevalence Index = B/A =		
6						
7				Hydrophytic Vegetation Indicate		
8				1 - Rapid Test for Hydrophytic	c Vegetation	
9.				2 - Dominance Test is >50%		
<u>. </u>	40	= Total Cov		3 - Prevalence Index is ≤3.0 ¹		
50% of total cover: 20		total cover:	_	4 - Morphological Adaptations		-
Herb Stratum (Plot size: 5')	2070 01	total cover.		data in Remarks or on a se	eparate sheet))
1. Solidago canadensis	35	~	FACU	Problematic Hydrophytic Veg	etation ¹ (Expla	ain)
2 Phleum pratense	25		FACU			
3. Geum canadense	15		FACU	¹ Indicators of hydric soil and wetla		must
4 Solidago rugosa	5	•	FAC	be present, unless disturbed or pr	oblematic.	
5. Alliaria petiolata				Definitions of Four Vegetation S	Strata:	
6 Polystichum acrostichoides	5		FACU FACU	Tree – Woody plants, excluding vi	ines 3 in (76	cm) or
<u> </u>		-		more in diameter at breast height		
7				height.		
8		-		Sapling/Shrub – Woody plants, e	excluding vines	s. less
9				than 3 in. DBH and greater than o		
10				m) tall.		
11				Herb – All herbaceous (non-wood	lv) plants, rega	ardless
	90	= Total Cov		of size, and woody plants less tha	n 3.28 ft tall.	
50% of total cover: 45	20% of	total cover:	18	Woody vine – All woody vines gre	oator than 2.2°	0 ft in
Woody Vine Stratum (Plot size: 15')				height.	sater triair 5.20	J 10 111
1				_		
2						
3						
4.						
5.		'		Hydrophytic Vegetation		
· ·	0	= Total Cov	er	Present? Yes	No	
50% of total cover: 0		total cover:	_			
Remarks: (Include photo numbers here or on a separate si	'					
Tromainer (morade priore manuscretistics of on a departure of	,					

	cription: (Describe	to the dept				or confirm	the absence	ce of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Feature: %	s Type ¹	Loc ²	Texture	Remarks
0-7	10YR 4/3	100	Color (moist)		Type	LUC	SIL	Remarks
-	-							- ·
7-15	10YR 5/4	100					SICL	
	· -							
-		-		· -				
								- -
-								
1Tupo: C-C	Concentration, D=Dep	lotion BM-	Poducod Motrix M				² Location:	PL=Pore Lining, M=Matrix.
	Indicators:	ietion, Rivi=	Reduced Matrix, M	is=iviasked	a Sand Gra	airis.		icators for Problematic Hydric Soils ³ :
Histoso			Dark Surfac	e (S7)				2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue B	, ,	ce (S8) (N	ILRA 147.		Coast Prairie Redox (A16)
	listic (A3)		Thin Dark S					(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley			. ,	_	Piedmont Floodplain Soils (F19)
Stratifie	d Layers (A5)		Depleted Ma	atrix (F3)				(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark				_	Very Shallow Dark Surface (TF12)
	ed Below Dark Surface	e (A11)	Depleted Da				_	Other (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depr			I DD N		
	Mucky Mineral (S1) (L A 147, 148)	.KK N,	Iron-Mangar		es (F12) (1	LKK N,		
	Gleyed Matrix (S4)		Umbric Surf		(MLRA 13	6. 122)	³ lr	ndicators of hydrophytic vegetation and
	Redox (S5)		Piedmont FI					wetland hydrology must be present,
-	d Matrix (S6)		Red Parent					unless disturbed or problematic.
Restrictive	Layer (if observed):			<u> </u>				•
Type:								
Depth (in	nches):						Hydric Sc	oil Present? Yes No
Remarks:								

Project/Site: Kensington	City/County:	Columbiana	Sampling Date: 03/01/21				
Project/Site: Rensington City/County: Columbiana Sampling Date: 03/01/21 Applicant/Owner: Algonquin Power Service Canada State: OH Sampling Point: W-JM34							
	Section, Towr						
Landform (hillslope, terrace, etc.): Hillslope	Local relief (conc	ave. convex. none	Slope (%); 2-4				
Subregion (LRR or MLRA): LRRN	Lat: 40.675843		889151 Datum: NAD 83				
Soil Map Unit Name: GaB: Gavers silt loam,	2 to 6 percent slopes	Long	NWI classification: None				
Are climatic / hydrologic conditions on the site typi							
	•		_				
Are Vegetation, Soil, or Hydrology							
Are Vegetation, Soil, or Hydrology			plain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach si	e map showing sampling	point location	ns, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes	No Is the	s the Sampled Area					
Hydric Soil Present? Yes	✓ No	a Wetland?	Yes V No				
Wetland Hydrology Present? Yes	<u>✓</u> No	a rronana.					
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type: B	1WETNONADJ				
	·	•					
LIVEROLOGY							
HYDROLOGY Wetland Hydrology Indicators		-	Cocondon, Indicators (minimum of two required)				
Wetland Hydrology Indicators:	phoek all that apply)	_	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required;			Surface Soil Cracks (B6)				
Surface Water (A1)	True Aquatic Plants (B14)Hydrogen Sulfide Odor (C1)	_	Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2) Saturation (A3)	Oxidized Rhizospheres on Liv	ing Poots (C3)	Drainage Patterns (B10) Moss Trim Lines (B16)				
Water Marks (B1)	Presence of Reduced Iron (C	• • • •	Moss Hill Ellies (B16) Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Recent Iron Reduction in Tille	,	Crayfish Burrows (C8)				
Drift Deposits (B3)	Thin Muck Surface (C7)	a cons (co) _	Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Remarks)	-	Stunted or Stressed Plants (D1)				
Iron Deposits (B5)	Other (Explain in Helmanie)	_	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)		_	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)		_	Microtopographic Relief (D4)				
Aquatic Fauna (B13)			FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? Yes No _	Depth (inches):						
Water Table Present? Yes No _	Depth (inches):						
	Depth (inches):	Wetland Hy	drology Present? Yes No				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous ins	spections), if availa	able:				
Remarks:							

Tree Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:		
Tiec otratum (Flot size.	% Cover			Number of Dominant Species	3	(4)
1				That Are OBL, FACW, or FAC:		(A)
2				Total Number of Dominant	4	(5)
3				Species Across All Strata:		(B)
4				Percent of Dominant Species	75%	
5				That Are OBL, FACW, or FAC:	1370	(A/B)
6			· ——	Prevalence Index worksheet:		
7	0 -	= Total Cov	/or	Total % Cover of:	Multiply by:	
50% of total cover: 0				OBL species x 1	=	_
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2	<u>?</u> =	_
1				FAC species x 3	3 =	_
2				FACU species x 4	l =	_
3				UPL species x 5	i =	_
4				Column Totals: (A)		
5						
6				Prevalence Index = B/A =		
7				Hydrophytic Vegetation Indicate		
8				1 - Rapid Test for Hydrophyti	c Vegetation	
9				✓ 2 - Dominance Test is >50%		
<u>. </u>	_	= Total Cov	/er	3 - Prevalence Index is ≤3.0¹		
50% of total cover:0				4 - Morphological Adaptations		
Herb Stratum (Plot size: 5')				data in Remarks or on a s		
1. Juncus effusus	25	~	FACW	Problematic Hydrophytic Veg	etation ¹ (Expla	iin)
2. Juncus tenuis	25	~	FAC			
3. Microstegium vimineum	20	~	FAC	¹ Indicators of hydric soil and wetla		must
4. Dactylis glomerata	20	~	FACU	be present, unless disturbed or pr		
5. Lysimachia nummularia	15		OBL	Definitions of Four Vegetation S	otrata:	
6				Tree – Woody plants, excluding v		
7				more in diameter at breast height height.	(DBH), regard	less of
8						
9				Sapling/Shrub – Woody plants, ethan 3 in. DBH and greater than c		
10				m) tall.	n equal to 5.20) 11 (1
11.				Hark All barbasassa (nan suna	d\	
	105	= Total Cov	/er	Herb – All herbaceous (non-wood of size, and woody plants less that		ardiess
50% of total cover:52.5		total cover				
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines gr height.	eater than 3.20	sπin
1				- 3		
2						
3						
4				Hydrophytic		
5				Vegetation		
	0	= Total Cov	/er	Present? Yes	No	
50% of total cover:0	20% of	total cover	:0			
Remarks: (Include photo numbers here or on a separate s	heet.)					

(inches)	Matrix Color (moist)	<u></u> %	Redox Color (moist)	<u>Features</u> % T	ype ¹ Loc ²	Texture		Remarks	
0-9	2.5Y 4/2	90	10YR 4/4	10 (Nemains	
9+								ed soil - Und	concolidato
9+							uistuib	eu son - one	Julisuluale
			_						
			_						
			_				<u> </u>		
						-	_		
						-	_		
						_			
Гуре: С=С	oncentration, D=Depl	etion, RM=F	Reduced Matrix, MS	=Masked Sa	and Grains.	² Location:	PL=Pore Lin	ing, M=Matrix.	
ydric Soil	Indicators:					Ind	dicators for P	roblematic Hy	dric Soils ³ :
Histosol	(A1)		Dark Surface				2 cm Muck (A10) (MLRA 1	47)
	pipedon (A2)				(S8) (MLRA 14			e Redox (A16)	
Black Hi					ILRA 147, 148)		(MLRA 14		
	n Sulfide (A4)		Loamy Gleye			_		oodplain Soils	(F19)
	d Layers (A5)		Depleted Mat Redox Dark S				(MLRA 13	≀6, 147) v Dark Surface	(TE40)
	ick (A10) (LRR N) d Below Dark Surface	Δ (Δ11)	Redox Dark s	, ,	7)			ง Dark Surface ain in Remarks)	. ,
	ark Surface (A12)	<i>(</i> A11)	Redox Depre		')	_	_ Other (Explo	uii iii ixemarks,	
	lucky Mineral (S1) (L	.RR N,	Iron-Mangane		F12) (LRR N,				
	A 147, 148)	,	MLRA 136		, , ,				
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ce (F13) (ML	RA 136, 122)	3	Indicators of h	ydrophytic veg	etation and
	tedox (S5)				(F19) (MLRA			ology must be p	
	Matrix (S6)		Red Parent M	laterial (F21)	(MLRA 127, 1	47)	unless disturb	ed or problema	atic.
Restrictive I	_ayer (if observed):								
Type:			<u> </u>					,	
Depth (in	ches):					Hydric S	Soil Present?	Yes	No
Remarks:									

Wetland ID W-JM34

Cowardin Code PEM Date 03/01/21



Photograph Number 677 Photograph Direction East

Comments:



Photograph Number 678 Photograph Direction SE

Comments:

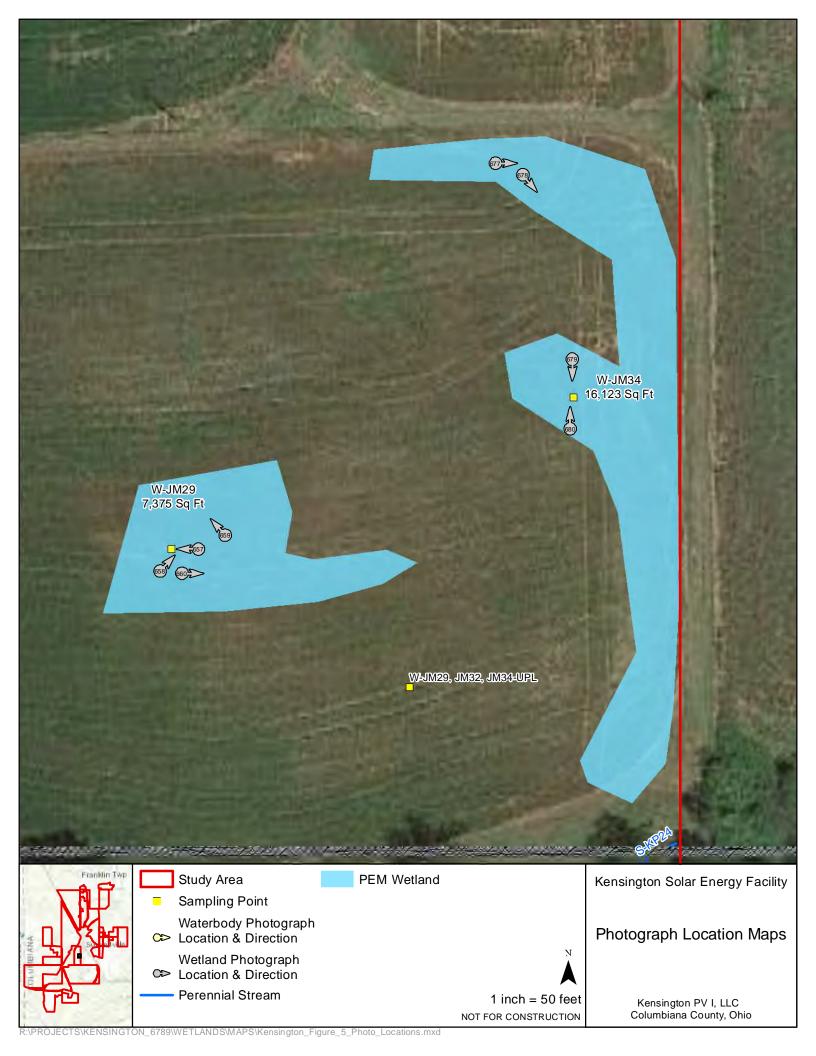


Photograph Number 679 Photograph Direction South

Comments:



Photograph Number ___680 Photograph Direction North



Project/Site: Kensington	City/C	ounty: Columbiana	Sampling Date: 06/28/21		
Applicant/Owner: Kensington PV I, LLC	,	State: OH	Sampling Point: W-KJ01		
	Section				
			ne): Concave Slope (%): 3-5%		
Subregion (LRR or MLRA): LRRN			.877567 Datum: NAD 83		
Soil Map Unit Name: CoC: Coshocton silt lo					
Are climatic / hydrologic conditions on the site type					
Are Vegetation, Soil, or Hydrolog	•		·		
Are Vegetation, Soil, or Hydrology			explain any answers in Remarks.) ons, transects, important features, etc.		
SOMMAN OF THADINGS - Attachs	, and showing sain	ipinig point locatio	mis, transects, important reatures, etc.		
Hydrophytic Vegetation Present? Yes _		Is the Sampled Area	ea		
Hydric Soil Present? Yes _		within a Wetland?	Yes No		
Wetland Hydrology Present? Yes _	No				
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type: I	RPWWN		
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required;			Surface Soil Cracks (B6)		
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface					
High Water Table (A2) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)					
Saturation (A3)					
Water Marks (B1)Sediment Deposits (B2)	Dry-Season Water Table (C2) Crayfish Burrows (C8)				
Drift Deposits (B3)	n in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Thin Muck Surface (C Other (Explain in Ren		Stunted or Stressed Plants (D1)		
Iron Deposits (B5)		,	Geomorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)		
Water-Stained Leaves (B9)			Microtopographic Relief (D4)		
Aquatic Fauna (B13)			FAC-Neutral Test (D5)		
Field Observations:					
Surface Water Present? Yes No	Depth (inches):				
Water Table Present? Yes No	Depth (inches):				
	Depth (inches):	Wetland H	lydrology Present? Yes 🔽 No		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	oring well, aerial photos, pre	vious inspections), if avai	ilable:		
, , ,					
Remarks:					

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: W-KJ01
30'	Absolute			Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	<u>Status</u>	Number of Dominant Species That Are ORL FACW or FAC: 3
1				That Are OBL, FACW, or FAC:3 (A)
2				Total Number of Dominant
3	-	-		Species Across All Strata:3 (B)
4	-	-		Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100% (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
50% - (1-1-1-1		= Total Cov	_	OBL species x 1 =
50% of total cover:0	20% of	total cover:		FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 15')				FAC species x 3 =
1				FACU species x 4 =
2				UPL species x 5 =
3				Column Totals: (A) (B)
4				Column Totals (A) (B)
5. <u> </u>				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov	_	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 0	20% of	total cover:		data in Remarks or on a separate sheet)
TICID Ottatum (1 lot 3126.	25	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Carex lurida 2. Carex scoparia	15	<u> </u>	FACW	
2. Impatiens capensis	10		FACW	¹ Indicators of hydric soil and wetland hydrology must
Juncus effusus	10		FACW	be present, unless disturbed or problematic.
5. Mentha spicata				Definitions of Four Vegetation Strata:
	<u>15</u> 5		FACW FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Poa trivialis			UPL	more in diameter at breast height (DBH), regardless of
7. Centaurea maculosa	<u>10</u> 5			height.
8. Phalaris arundinacea			FACW	Sapling/Shrub – Woody plants, excluding vines, less
9. Leersia oryzoides	10	-	OBL	than 3 in. DBH and greater than or equal to 3.28 ft (1
10		-		m) tall.
11	405	-		Herb – All herbaceous (non-woody) plants, regardless
(FO.)	105	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 52.5	20% of	total cover:		Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15)				height.
1				
2	-	-		
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
		= Total Cov	^	Present? Yes V No No
50% of total cover: 0		total cover:	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

Profile Desc	ription: (Describe t	o the dept	h needed to docun	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	k Features	3			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 4/2	80	7.5YR 4/6	20	С	M/PL	SIL	
3-18	10YR 4/1	80	7.5YR 4/6	20	С	M/PL	SICL	
					-			
¹ Type: C=C	oncentration, D=Deple	etion RM-	Reduced Matrix MS		Sand Gr	aine	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil		elion, Kivi=	Reduced Matrix, Mc	=iviaskeu	Sand Gi	airis.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(\$7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ca (S8) (N	ΛΙ D Λ 1/17		Coast Prairie Redox (A16)
Black Hi			Thin Dark Su				0	(MLRA 147, 148)
						147, 140)	Б	
	en Sulfide (A4)		Loamy Gleye		F2)		<u> </u>	iedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat		·o/			(MLRA 136, 147)
	ick (A10) (LRR N)	(444)	Redox Dark S	•	,			ery Shallow Dark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar					other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (L	RK N,	Iron-Mangane		es (F12) (LKK N,		
	A 147, 148)		MLRA 136				3	
-	Gleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent M	faterial (F	21) (MLR	A 127, 147	<u>)</u> un	less disturbed or problematic.
Restrictive I	Layer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes V No No
Remarks:								

Wetland ID W-KJ01 Cowardin Code PEM Date 06/28/21



Photograph Number 717

Photograph Direction NNE

Photograph Direction NNE

Comments:



Photograph Number ___718 ___ Photograph Direction NNW ___

Comments:

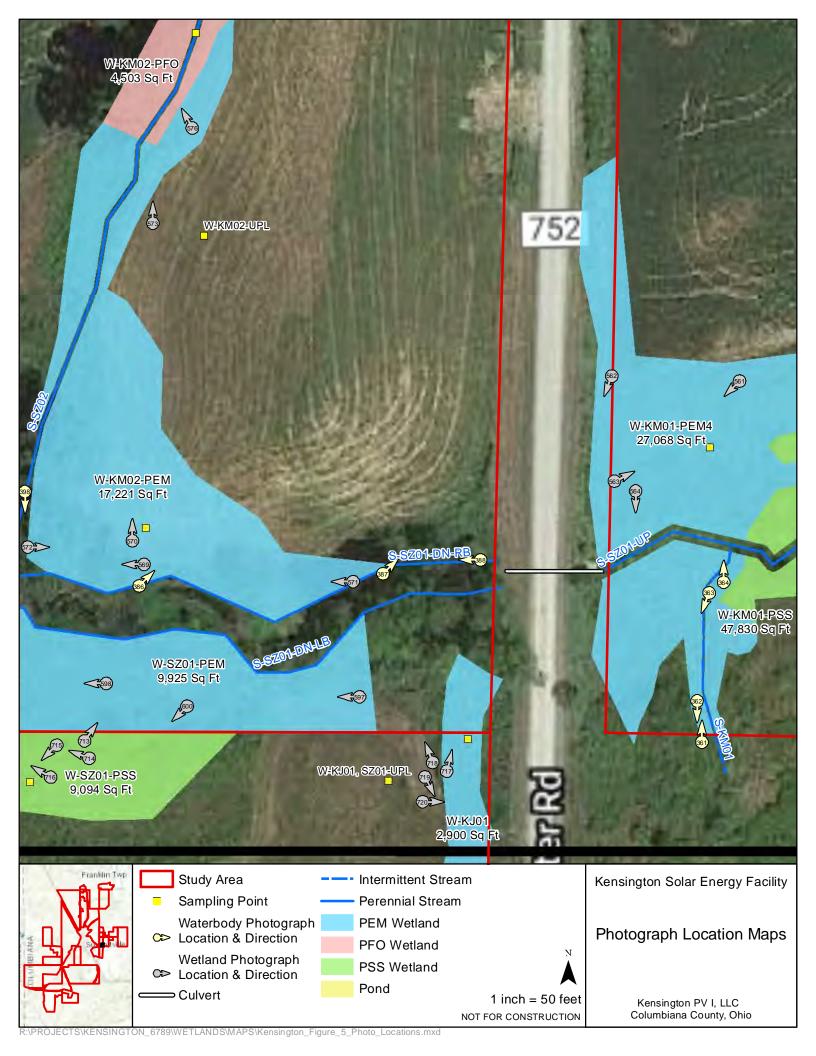


Photograph Number 719
Photograph Direction SE

Comments:



Photograph Number 720
Photograph Direction East



Project/Site: Kensington	City/C	ountv: Columbiana	Sampling Date: 06/28/21			
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-KJ01,SZ01-UPL			
	Section, Township, Range: N/A					
andform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Linear Slope (%): 3						
Subregion (LRR or MLRA): LRRN		•	877719 NAD 83			
Soil Map Unit Name: CoC: Coshocton silt I						
Are climatic / hydrologic conditions on the site ty	pical for this time of year? Y	es <u> </u>	If no, explain in Remarks.)			
Are Vegetation, Soil, or Hydrolog	y significantly disturb	ped? Are "Normal	Circumstances" present? Yes No			
Are Vegetation, Soil, or Hydrolog			xplain any answers in Remarks.)			
	-		ns, transects, important features, etc.			
Lhadranhatia Vanatatian Brasant2	No. V		1			
	No	Is the Sampled Area				
	No V	within a Wetland?	Yes No			
Remarks: Cowardin Code: UPLAND		Water Type:				
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required	: check all that apply)		Surface Soil Cracks (B6)			
Surface Water (A1)	True Aquatic Plants (I		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)						
Saturation (A3)	Moss Trim Lines (B16)					
Water Marks (B1)						
Sediment Deposits (B2)	n in Tilled Soils (C6)	Dry-Season Water Table (C2) oils (C6) Crayfish Burrows (C8)				
Drift Deposits (B3)	Thin Muck Surface (C	37)	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Other (Explain in Ren	narks)	Stunted or Stressed Plants (D1)			
Iron Deposits (B5)			Geomorphic Position (D2)			
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)			
Water-Stained Leaves (B9)			<pre> Microtopographic Relief (D4) FAC-Neutral Test (D5)</pre>			
Aquatic Fauna (B13)			FAC-Neutral Test (D5)			
Field Observations: Surface Water Present? Yes No	Depth (inches):					
	Depth (inches):					
	Depth (inches):		ydrology Present? Yes No			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monit	oring well, aerial photos, pre	vious inspections), if avai	lable:			
Remarks:						

,	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:30')		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC:0 (A)
2				(,,
				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4				Percent of Dominant Species
5	-			That Are OBL, FACW, or FAC:0% (A/B)
6				Prevalence Index worksheet:
7		· -		
	0	= Total Cov	ver	Total % Cover of: Multiply by:
50% of total cover:0	20% of	total cover	: <u> </u>	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Rosa multiflora	10	~	FACU	FAC species x 3 =
2				FACU species x 4 =
				UPL species x 5 =
3				Column Totals: (A) (B)
4				(2)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7	-			1 - Rapid Test for Hydrophytic Vegetation
8	-			2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	10	= Total Cov	ver	
50% of total cover: 5	20% of	total cover	: 2	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Solidago canadensis	20	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dactylis glomerata	15		FACU	
3. Phleum pratense	10	· <u> </u>	FACU	¹ Indicators of hydric soil and wetland hydrology must
4 Anthoxanthum odoratum	10	-	FACU	be present, unless disturbed or problematic.
5. Vicia cracca	10	-	- ——	Definitions of Four Vegetation Strata:
			UPL UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Centaurea stoebe	<u>15</u>			more in diameter at breast height (DBH), regardless of
7. Erigeron annuus	5		FACU	height.
8. Carex stipata	5		OBL	Canling/Chrush Woody plants avaluding vines less
9. Carex vulpinoidea	5		OBL	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11.				Hart All back assess (as a superil National State of Stat
	95	= Total Cov	uor.	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>47.5</u>				or oles, and nossy plants loss than oles it tam
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in
· · · · · · · · · · · · · · · · · · ·				height.
1		-		
2		-		
3	-			
4		· ·		Hydrophytic
5	-			Vegetation
	0	= Total Cov	ver	Present? Yes No
50% of total cover:0	20% of	total cover	:0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

Profile Desc	ription: (Describe t	o the depth	needed to docun	nent the ir	ndicator o	or confirm	the absence	of indicate	ors.)		
Depth	Matrix		Redox	k Features							
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remark	S	
0-6	10YR 5/3	100					GRSIL				
6-15	10YR 5/6	100					SIC				
	101110/0							-			-
								-			-
1			Andread Material MC	<u> </u>	010		21 1'		M. Mt-	• .	
Hydric Soil	oncentration, D=Deple	etion, RM=F	reduced Matrix, MS	s=Masked	Sand Gra	iins.	² Location: P			IX. Hydric Soils ³ :	
•			David Overs	(07)						•	
Histosol			Dark Surface		- (CO) /M	I D A 447			A10) (MLR		
Black Hi	oipedon (A2)		Polyvalue Be Thin Dark Su				146) (MLRA 14)	e Redox (A1	0)	
	en Sulfide (A4)		Loamy Gleye	, ,	•	47, 140)	_		oodplain So	ile (F10)	
	d Layers (A5)		Depleted Mat		۷)		<u> </u>	(MLRA 13		113 (1 13)	
	ick (A10) (LRR N)		Redox Dark S		3)		V		v Dark Surfa	ice (TF12)	
	d Below Dark Surface	(A11)	Depleted Dar						in in Remar		
	ark Surface (A12)	` '	Redox Depre							•	
Sandy M	Mucky Mineral (S1) (L	RR N,	Iron-Mangane	ese Masse	s (F12) (l	RR N,					
MLRA	A 147, 148)		MLRA 130	6)							
Sandy G	Gleyed Matrix (S4)		Umbric Surfa					licators of h	ydrophytic v	egetation and	
-	Redox (S5)		Piedmont Flo					etland hydro	logy must b	e present,	
	Matrix (S6)		Red Parent M	1aterial (F2	21) (MLR	A 127, 147) un	less disturb	ed or proble	ematic.	
Restrictive I	Layer (if observed):										
Type:			<u> </u>								
Depth (inc	ches):		<u> </u>				Hydric Soil	Present?	Yes	No <u> </u>	-
Remarks:											

Project/Site: Kensington		City/C	county: Columbiana	Sampling	Date: 03/30/21				
Applicant/Owner: Kensington F	V I, LLC	, ,	State: OH						
Investigator(s): KMM, SAZ		Section	Section, Township, Range: N/A						
Landform (hillslope, terrace, etc.):				e): Concave	Slope (%): 3-5%				
Subregion (LRR or MLRA): LRR		40.681080	Long: -80.8	875225	Datum: NAD 83				
Soil Map Unit Name: CoC: Cosl									
Are climatic / hydrologic conditions	on the site typical f	or this time of year? Y	res	f no, explain in Remarks.)					
Are Vegetation, Soil		-			es V No				
Are Vegetation, Soil				plain any answers in Remai					
SUMMARY OF FINDINGS				•	•				
Lhudaanhutia Vanatatian Daasant	Yes 🗸	Ne							
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes		Is the Sampled Area						
Wetland Hydrology Present?		No	within a Wetland?	Yes No					
Remarks: Cowardin Code			Water Type: A	414/ETADLIT					
HYDROLOGY				0					
Wetland Hydrology Indicators:				Secondary Indicators (minim	<u> </u>				
Primary Indicators (minimum of o				Surface Soil Cracks (B6)					
Surface Water (A1)	_	True Aquatic Plants (Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2)	_	_ Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)							
Saturation (A3)			=						
Water Marks (B1) Sediment Deposits (B2)		Presence of Reduced Recent Iron Reductio		Dry-Season Water Table (C2)					
Drift Deposits (B3)		Thin Muck Surface (C		Crayfish Burrows (C8)Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4)		Other (Explain in Ren		Stunted or Stressed Pla	= : : :				
Iron Deposits (B5)		(- · - · - · · · · · · · · · · ·	_	Geomorphic Position (D					
Inundation Visible on Aerial I	magery (B7)		- -	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)			_	Microtopographic Relief	(D4)				
Aquatic Fauna (B13)			<u>-</u>	FAC-Neutral Test (D5)					
Field Observations:									
	es <u>/</u> No	_ Dopui (inches)	0.5						
Water Table Present? Y	es / No	Depth (inches):	2						
	es <u>/</u> No	Depth (inches):	0 Wetland Hy	Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream	gauge, monitoring	well. aerial photos. pre	vious inspections), if avail	able:					
,		, p, p							
Remarks:									
Surface water in spots thro	ughout wetland								

Trop Stratum (Plot cizo: 30'	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:30')	% Cover	Species?	Status	Number of Dominant Species
1		. <u></u>		That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL FACW or FAC: 100% (A/B)
				That Are OBL, FACW, or FAC: 100% (A/B)
6		·		Prevalence Index worksheet:
7	0			Total % Cover of: Multiply by:
50% ()		= Total Cov		OBL species x 1 =
451	20% of	total cover:	0	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 15)				
1				FAC species x 3 =
2		. <u></u>		FACU species x 4 =
3				UPL species x 5 =
4				Column Totals: (A) (B)
5				
6		·		Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:0	20% of	total cover:	0	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')			E40)4/	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Poa trivialis	30		FACW	Problematic Hydrophytic Vegetation (Explain)
2. Leersia oryzoides	30	✓	OBL	4
3. Typha latifolia	15		OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Impatiens capensis	5		FACW	
5. Scirpus atrovirens	10		OBL	Definitions of Four Vegetation Strata:
6. Juncus effusus	10		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
		·		more in diameter at breast height (DBH), regardless of
7		· 		height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10		. <u></u>		m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	100	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover:50	20% of	total cover:	20	W
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in height.
1				noight.
2.				
-				
3				
4		· 		Hydrophytic
5				Vegetation Present? Yes ✔ No
		= Total Cov	_	Present? Yes No
50% of total cover: 0	20% of	total cover:	0	
Remarks: (Include photo numbers here or on a separate sl	heet.)			

	ription: (Describe t	to the dept			ator or confirr	n the absence	of indicate	ors.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	c Features	rpe ¹ Loc ²	Texture		Remarks	
0-4	10YR 4/3	100				SIL			
4-10	10YR 4/1	85	7.5YR 4/6	15 C	M/PL	SIL			
10-14	10YR 5/1	85	7.5YR 4/6	15 C	<u>M/PL</u>	SIL			
10-14	101113/1		7.5111 4/0	13 0		OIL			
						-			
	-								
						-			
						-			
	oncentration, D=Depl	letion, RM=	Reduced Matrix, MS	=Masked Sar	nd Grains.			ing, M=Matrix.	
Hydric Soil I								roblematic Hy	
Histosol			Dark Surface					A10) (MLRA 1	
	pipedon (A2)		·		88) (MLRA 147	, 148) (e Redox (A16)	
Black Hi	stic (A3) n Sulfide (A4)		Inin Dark Su Loamy Gleye		.RA 147, 148)		(MLRA 14	oodplain Soils	(E10)
	l Layers (A5)		Depleted Mat			'	MLRA 13	•	(1-19)
	ick (A10) (LRR N)		Redox Dark S	. ,		\		v Dark Surface	(TF12)
	Below Dark Surface	e (A11)		k Surface (F7)		•	ain in Remarks	, ,
	ark Surface (A12)		Redox Depre	ssions (F8)					
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan		12) (LRR N,				
	147, 148)		MLRA 130	•		3.			
	ileyed Matrix (S4)		Umbric Surfa					ydrophytic veg	
	edox (S5) Matrix (S6)				(F19) (MLRA 1 4 (MLRA 127, 14		-	ology must be posed or problem	
	_ayer (if observed):		red r archer	iatoriai (i Z i)	WENA 127, 14	1) ui	- IIC33 GI3tGIL	oca or problem	auc.
Type:	, , , , , , , , , , , , , , , , , , , ,								
Depth (inc	ches):					Hvdric Soi	I Present?	Yes_	No
Remarks:						1			

Wetland ID W-KM01-PEM1

Cowardin Code PEM Date 03/30/21



Photograph Number <u>549</u> Photograph Direction North

Comments:



Photograph Number <u>550</u> Photograph Direction South

Comments:

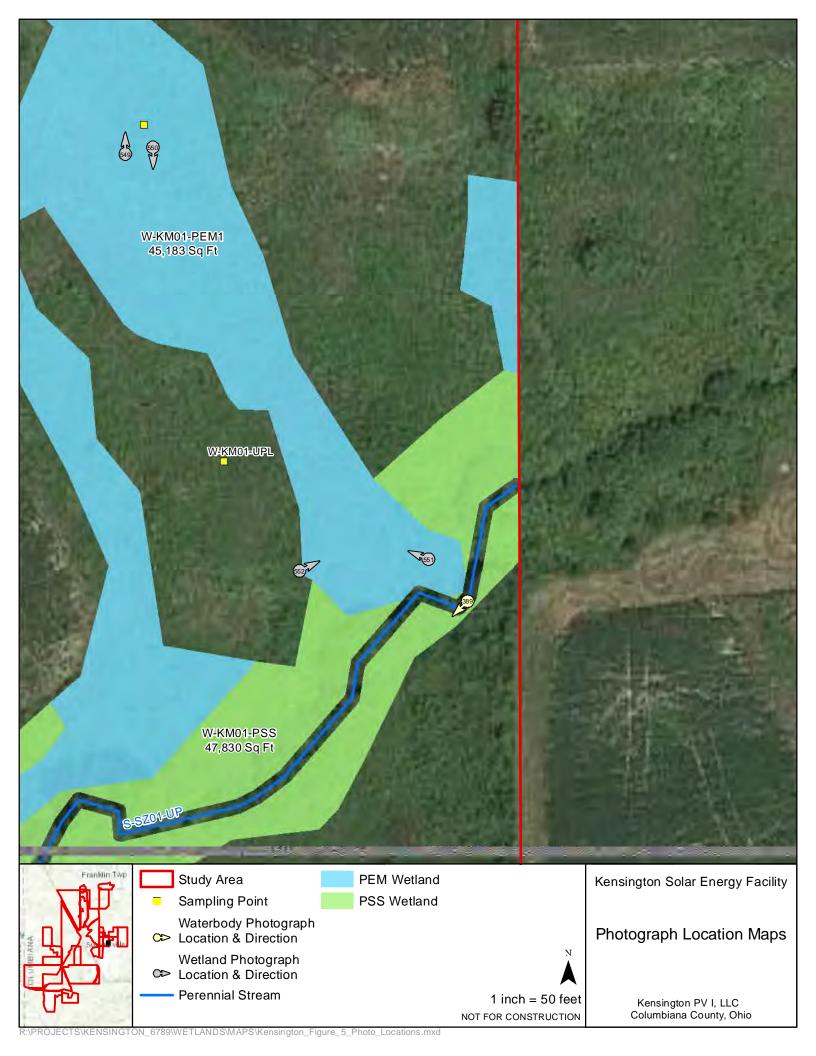


Photograph Number 551 Photograph Direction WNW

Comments:



Photograph Number ___552 Photograph Direction ENE



Project/Site: Kensington	City/C	county: Columbiana	Sampling Date: 03/30/21				
Applicant/Owner: Kensington PV I, LLC		State: OH					
Investigator(s): KMM, SAZ Section, Township, Range: N/A							
Landform (hillslope, terrace, etc.): Hillslope			s): Concave Slope (%): 10-20%				
Subregion (LRR or MLRA): LRRN	Lat: 40.679911	l ong: -80.8	75427 Datum: NAD 83				
Soil Map Unit Name: CoC: Coshocton silt							
Are climatic / hydrologic conditions on the site t	ypical for this time of year? Y	res No (If	no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrold	gy significantly distur	bed? Are "Normal C	Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrold	gy naturally problema	atic? (If needed, ex	plain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach	site map showing san	npling point location	s, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes	<u> </u>		1				
	No	Is the Sampled Area within a Wetland?	Yes No				
	✓ No	within a Wetland!	162 NO				
Remarks: Cowardin Code: PEM	HGM: Riverine	Water Type: A	4WETABUT				
HYDROLOGY							
Wetland Hydrology Indicators:		<u>S</u>	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	d; check all that apply)		Surface Soil Cracks (B6)				
Surface Water (A1)	True Aquatic Plants (Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)	Hydrogen Sulfide Od		Drainage Patterns (B10)				
Saturation (A3)	✓ Oxidized Rhizosphere						
Water Marks (B1)	Presence of Reduced Recent Iron Reduction		Dry-Season Water Table (C2)				
Sediment Deposits (B2) Drift Deposits (B3)	Thin Muck Surface (C		Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Rer		Saturation visible on Aerial imagery (C9) Stunted or Stressed Plants (D1)				
Iron Deposits (B5)	00101 (2/10/20/20/20/20/20/20/20/20/20/20/20/20/20		Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)				
Water-Stained Leaves (B9)			Microtopographic Relief (D4)				
Aquatic Fauna (B13)		<u> </u>	FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? Yes N	o Depth (inches):						
	o Depth (inches):						
Saturation Present? Yes N (includes capillary fringe)	Depth (inches):	Wetland Hy	land Hydrology Present? Yes No				
Describe Recorded Data (stream gauge, mon	itoring well, aerial photos, pre	vious inspections), if availa	able:				
Remarks:							

Sampling Point: W-KM01-PEM2

30'	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:30') 1		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:4 (A)
2		-		Total Number of Dominant
3				Species Across All Strata: 5 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 80% (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
2		= Total Cov		·
50% of total cover: 0	20% of	total cover	:0	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')			E4.011	FACW species x 2 =
1. Rosa multiflora	15		FACU_	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 =
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8		-		✓ 2 - Dominance Test is >50%
9	15			3 - Prevalence Index is ≤3.0 ¹
7.5		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 7.5	20% of	total cover	:3	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')	05	,	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Juncus effusus	25		- —	1 Toblematic Trydrophytic Vegetation (Explain)
2. Solidago gigantea	20		FACW	1 Indicators of budgin only untland budgelong much
3. Carex vulpinoidea	20		OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Eupatorium perfoliatum	10		FACW	Definitions of Four Vegetation Strata:
5. Poa trivialis	25	/	FACW	Deminions of Four Vegetation Strata.
6.				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
				neight.
8		-		Sapling/Shrub - Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb - All herbaceous (non-woody) plants, regardless
50	100	= Total Cov	ver	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>50</u>	20% of	total cover	: 20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size:15')				height.
1,				
2				
3				
4				Hudaankudia
5.		·		Hydrophytic Vegetation
-	0	= Total Cov	/er	Present? Yes V No No
50% of total cover: 0		total cover	_	
Remarks: (Include photo numbers here or on a separate s				
Tremaine. (moduce photo humbers here of on a separate o	11001.)			

Profile Des	cription: (Describe	to the dept	h needed to docun	nent the in	dicator	or confirm	the absence	of indicators.)	
Depth	Matrix		Redox	K Features						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-3	10YR 4/2	100				. .	SIL			
3-12	10YR 4/1	85	7.5YR 4/6	<u>15</u>	С	M/PL	SIL			
1214	10YR 5/1	75	7.5YR 4/6	25	С	M/PL	LC			
						· ·				
-								-		—
	·									
-										
							_			
¹ Type: C=C	Concentration, D=Depl	letion RM=	Reduced Matrix MS	= S=Masked S	Sand Gr	ains	² Location: Pl	L=Pore Lining,	M=Matrix	_
	Indicators:	iodon, ravi	rtoadood matrix, me	Maonoa V	ouria Or	uii 10.			lematic Hydric Soils ³ :	
Histoso			Dark Surface	(S7)				cm Muck (A10	•	
	pipedon (A2)		Polyvalue Be	. ,	e (S8) (N	ILRA 147, 1		oast Prairie Re		
	listic (A3)		Thin Dark Su		. , .			(MLRA 147, 1		
	en Sulfide (A4)		Loamy Gleye				P		olain Soils (F19)	
Stratifie	ed Layers (A5)		Depleted Mat					(MLRA 136, 1		
2 cm M	uck (A10) (LRR N)		Redox Dark S	Surface (F6	5)		v	ery Shallow Da	ark Surface (TF12)	
Deplete	ed Below Dark Surface	e (A11)	Depleted Dar	k Surface (F7)		0	ther (Explain i	Remarks)	
Thick D	ark Surface (A12)		Redox Depre	ssions (F8))					
Sandy I	Mucky Mineral (S1) (L	.RR N,	Iron-Mangane	ese Masses	s (F12) (LRR N,				
	A 147, 148)		MLRA 130							
-	Gleyed Matrix (S4)		Umbric Surfa						ophytic vegetation and	
-	Redox (S5)		Piedmont Flo					tland hydrolog	y must be present,	
	d Matrix (S6)		Red Parent M	1aterial (F2	1) (MLR	A 127, 147)	unl	less disturbed	or problematic.	
Restrictive	Layer (if observed):									
Type:										
Depth (in	nches):						Hydric Soil	Present? Y	es <u>/</u> No	_
Remarks:										
1										
1										

Wetland ID W-KM01-PEM2

Cowardin Code PEM Date 03/30/21



Photograph Number <u>553</u>

Photograph Direction NE

Comments:



Photograph Number <u>554</u>

Photograph Direction $\underline{\text{North}}$

Comments:



Photograph Number 555

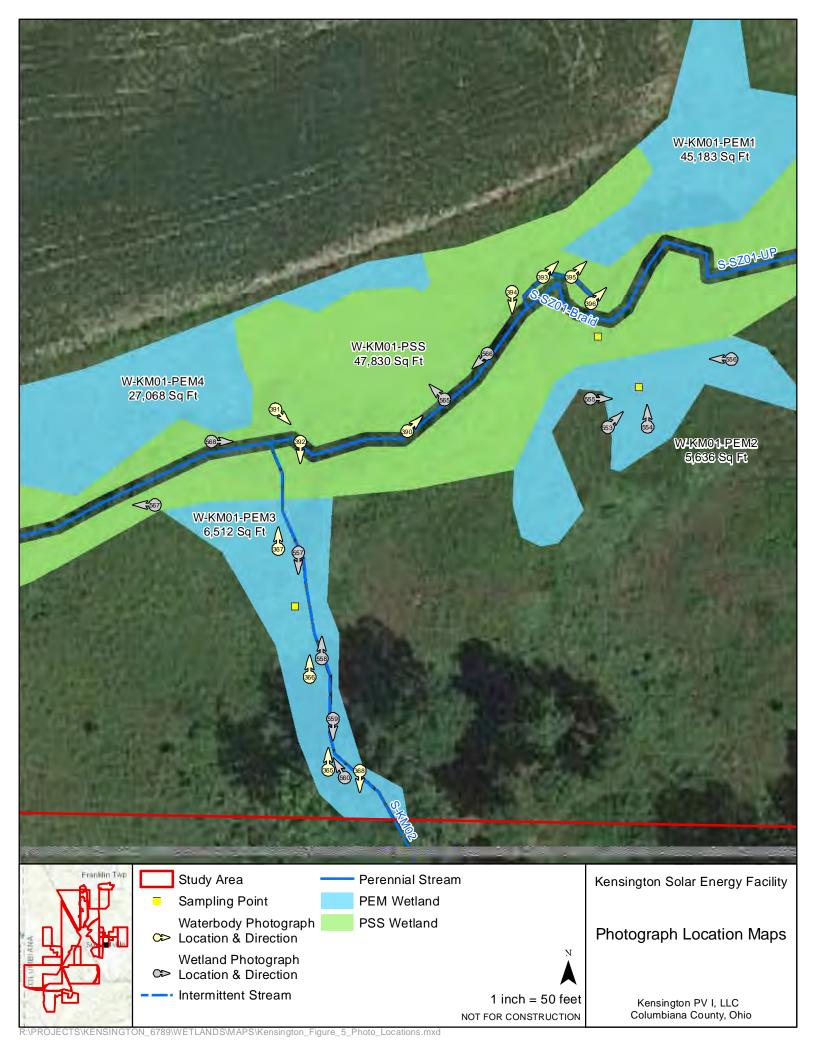
Photograph Direction East

Comments:



Photograph Number ___556

Photograph Direction West



Project/Site: Kensington	City/C	county: Columbiana	Sampling Date: 03/30/21				
Applicant/Owner: Kensington PV I, LLC	<i>,</i>	State: OH					
	on, Township, Range: N/A						
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope (%):							
Subregion (LRR or MLRA): LRRN	Lat: 40.679606	Long: -80.8	76079 Datum: NAD 83				
Soil Map Unit Name: CoC: Coshocton silt							
Are climatic / hydrologic conditions on the site t	ypical for this time of year? Y	res No (If	no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrold	gy significantly disturl	bed? Are "Normal C	Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrold			plain any answers in Remarks.)				
			s, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes	∨ No						
, , , ,	No	Is the Sampled Area	Yes No				
	✓ No	within a Wetland?	res No				
Remarks: Cowardin Code: PEM	HGM: Riverine	Water Type: A					
HYDROLOGY							
Wetland Hydrology Indicators:		<u>S</u>	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is require	d; check all that apply)		Surface Soil Cracks (B6)				
Surface Water (A1)	True Aquatic Plants (Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)	Hydrogen Sulfide Odd		Drainage Patterns (B10)				
Saturation (A3)	Oxidized Rhizosphere	=					
Water Marks (B1)	Presence of Reduced	` '	Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Recent Iron Reductio		Crayfish Burrows (C8)				
Drift Deposits (B3) Algal Mat or Crust (B4)	Thin Muck Surface (C Other (Explain in Ren		Saturation Visible on Aerial Imagery (C9)Stunted or Stressed Plants (D1)				
Algal Mat of Crust (B4) Iron Deposits (B5)	Other (Explain in Neil		Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)		-	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)		_	Microtopographic Relief (D4)				
Aquatic Fauna (B13)		<u>-</u>	FAC-Neutral Test (D5)				
Field Observations:							
Surface Water Present? Yes No	Depth (inches):						
	Depth (inches):						
	Depth (inches):	Wetland Hy	Wetland Hydrology Present? Yes No				
(includes capillary fringe) Describe Recorded Data (stream gauge, mon	toring well serial photos pre-	vious inspections) if avails	able:				
Describe Recorded Data (stream gauge, mon	itoring well, aerial priotos, pre	vious irispections), ii avalia	able.				
Remarks:							

Sampling	Point:	W-KI	M01-F	PEM3
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0.01	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC:3 (A)
2				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4.				
5		-		Percent of Dominant Species That Are OBL FACW or FAC: 75% (A/B)
6				That Are OBL, FACW, or FAC: 75% (A/B)
				Prevalence Index worksheet:
7	0	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 0				OBL species x 1 =
451	20% 01	total cover.		FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 15) 1. Alnus serrulata	5	~	OBL	FAC species x 3 =
2. Rosa multiflora	10			FACU species x 4 =
			F <u>ACU</u>	
3				UPL species x 5 =
4				Column Totals: (A) (B)
5				Prevalence Index = B/A =
6	-			
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
<u>. </u>	15	= Total Cov		3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')	2070 01	total oover.		data in Remarks or on a separate sheet)
1. Poa trivialis	40	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Onoclea sensibilis	20		FACW	
3. Carx vulpinoidea	10		OBL	¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
4. Leeraia oryzoides	15		OBL	Definitions of Four Vegetation Strata:
5. Juncus effusus	10		FACW	Tara Mandaglada sadadi sada o (7.0 as)
6. Solidago gigantea	5		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8.				
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11				,
· · · · · · · · · · · · · · · · · · ·	100	T-1-1 O-1		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50		= Total Cov total cover:		of size, and woody plants less than 3.26 it tall.
4 <i>E</i> I	20% 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cov	er	Present? Yes No
50% of total cover:0		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
	,			

Depth (inches)
0-12 10YR 4/1 80 7.5YR 4/6 20 C M/PL SIL 12-16 10YR 4/1 40 7.5YR 4/6 20 C M/PL SIL

¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators: Indicators for Problematic Hydric So
Histosol (A1) Dark Surface (S7) 2 cm Muck (A10) (MLRA 147)
Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Coast Prairie Redox (A16)
Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) (MLRA 147, 148) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19)
Stratified Layers (A5) Depleted Matrix (F3) New Matrix (F3) New Matrix (F3)
2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain in Remarks)
Thick Dark Surface (A12) Redox Depressions (F8)
Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N,
MLRA 147, 148) MLRA 136)
Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) Sandy Beday (S5) Piedment Fleedylein Seile (F10) (MLRA 148) unstand by dealers must be present
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.
Restrictive Layer (if observed):
lvpe:
Type: Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): No _
Depth (inches): No _
Depth (inches): No _
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): No _
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): No _
Depth (inches): No _
Depth (inches): No _
Depth (inches): Hydric Soil Present? Yes V No
Depth (inches): No _
Depth (inches): No _

Wetland ID W-KM01-PEM3 Cowardin Code PEM Date 03/30/21



Photograph Number <u>557</u>
Photograph Direction <u>South</u>

Comments:



Photograph Number <u>558</u>
Photograph Direction North

Comments:

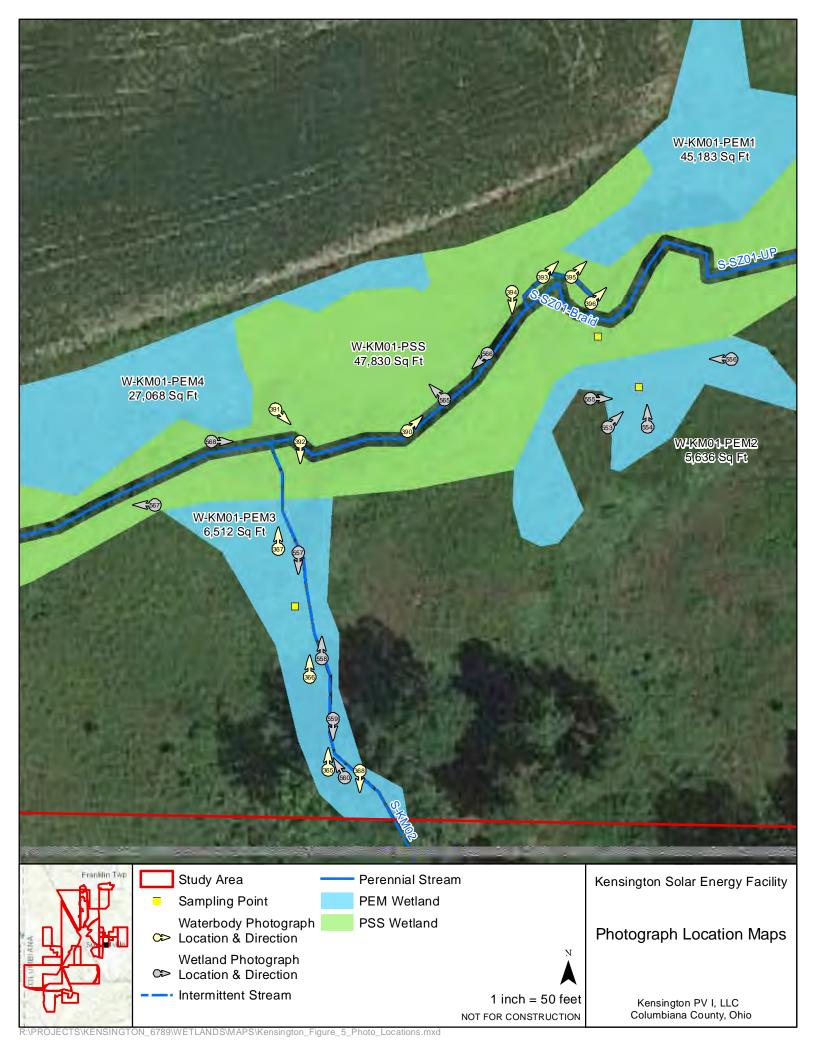


Photograph Number 559
Photograph Direction South

Comments:



Photograph Number 560
Photograph Direction NNW



Project/Site: Kensington	City/C	ounty: Columbiana	Sampling Date: 03/30/21			
Applicant/Owner: Kensington PV I, LLC		State: OH				
	Section	on. Township. Range: N/				
Landform (hillslope, terrace, etc.): Floodplain			e): Concave Slope (%): 0-3%			
Subregion (LRR or MLRA): LRRN			877104 Datum: NAD 83			
Soil Map Unit Name: CoC: Coshocton silt loa						
Are climatic / hydrologic conditions on the site typic						
	· · · · · · · · · · · · · · · · · · ·					
Are Vegetation, Soil, or Hydrology						
Are Vegetation, Soil, or Hydrology			xplain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site	e map showing sam	pling point location	ns, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes	✓ No		led Area			
Hydric Soil Present? Yes	No	Is the Sampled Area within a Wetland?	Yes V No			
Wetland Hydrology Present? Yes	✓ No	within a wettand:	resNU			
Remarks: Cowardin Code: PEM	HGM: Riverine	Water Type: A	A4WETABUT			
Serial and Seast Em						
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; c			Surface Soil Cracks (B6)			
Surface Water (A1)	True Aquatic Plants (I		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	Hydrogen Sulfide OddOxidized Rhizosphere		Drainage Patterns (B10)			
Saturation (A3) Water Marks (B1)	Presence of Reduced		Moss Trim Lines (B16) Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Recent Iron Reduction	` '	Crayfish Burrows (C8)			
Orift Deposits (B3)	Thin Muck Surface (C		Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Other (Explain in Ren		Stunted or Stressed Plants (D1)			
Iron Deposits (B5)	Other (Explain in Nen		Geomorphic Position (D2)			
Inundation Visible on Aerial Imagery (B7)		•	Shallow Aquitard (D3)			
Water-Stained Leaves (B9)			Microtopographic Relief (D4)			
Aquatic Fauna (B13)			FAC-Neutral Test (D5)			
Field Observations:						
Surface Water Present? Yes No	Depth (inches):					
Water Table Present? Yes No	Depth (inches):					
	Depth (inches):		ydrology Present? Yes No			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitori	ng well, aerial photos, pre	vious inspections), if avail	lable:			
Remarks:						

Sampling Point:	W-KM01-PEM4
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	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')		Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC:4 (A)
2				Total Number of Descions
3				Total Number of Dominant Species Across All Strata:5 (B)
4.				
F				Percent of Dominant Species That Are OBL FACW or FAC: 80% (A/B)
				That Are OBL, FACW, or FAC: 80% (A/B)
6				Prevalence Index worksheet:
T	0	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 0				OBL species x 1 =
	20% 01	total cover		FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 15') 1 Rosa multiflora	5	~	FACU	FAC species x 3 =
· ' -			FACU	FACU species x 4 =
2			· 	•
3			· ——	UPL species x 5 =
4				Column Totals: (A) (B)
5				Prevalence Index = B/A =
6		-	. <u></u>	Hydrophytic Vegetation Indicators:
7				
8.				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
<u> </u>	5	= Total Cov	or .	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 2.5		total cover		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')		10101 00701		data in Remarks or on a separate sheet)
1. Leersia oryzoides	20	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Carex vulpinoidea	20		OBL	
3. Carex atrovirens	15		OBL	¹ Indicators of hydric soil and wetland hydrology must
	15			be present, unless disturbed or problematic.
4. Juncus effusus			FACW	Definitions of Four Vegetation Strata:
5. Poa trivialis	10		FACW_	Tree Woody plants evaluding vince 2 in (7.6 cm) or
6. Euthamia graminifolia	10		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7. Symphyotrichum puniceum	5		OBL	height.
8. Solidago canadensis	5		FACU	Continue/Charaba Manda and avaluation visco loss
9			<u> </u>	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				Harb All harbaccaus (non woods) planta regardless
	100	= Total Cov	er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50		total cover		
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3			· ——	
4		-		Hydrophytic
5				Vegetation
		= Total Cov	_	Present? Yes No
50% of total cover: 0	20% of	total cover		
Remarks: (Include photo numbers here or on a separate s	heet.)			

(inches)	Matrix Color (moist)	%	Redo Color (moist)	x Features % Ty	pe ¹ Loc ²	Texture		Remarks	
0-3	10YR 4/2	80	7.5 YR 6/8	20 C	M/PL	SIL		Remarks	
							-		
3-16	10YR 4/1	90	7.5YR 6/8	<u>10</u> C	M/PL	SICL			
									
							-		
vno: C-Co	ncentration, D=Depl	otion PM-	Poducod Matrix MS	S-Macked San	d Grains	² Location: D	I –Poro Lini	ng, M=Matrix.	
ype. C=C0 ∕dric Soil Iı		ellori, Kivi=	Reduced Matrix, Mc	5=Waskeu San	u Grains.			oblematic Hy	dric Soils ³ :
_ Histosol (Dark Surface	(\$7)				410) (MLRA 1	
	ipedon (A2)				8) (MLRA 147 ,			Redox (A16)	
Black His				rface (S9) (ML			(MLRA 14		
	n Sulfide (A4)		Loamy Gleye			P		odplain Soils	(F19)
Stratified	Layers (A5)		Depleted Mat	trix (F3)			(MLRA 13	6, 147)	
	ck (A10) (LRR N)		Redox Dark					Dark Surface	
-	Below Dark Surface	e (A11)		rk Surface (F7)		0	ther (Expla	in in Remarks))
	rk Surface (A12)	DD 11	Redox Depre		40) (I DD N				
	ucky Mineral (S1) (L . 147, 148)	KK N,	Iron-Mangan	ese Masses (F	12) (LRR N,				
	leyed Matrix (S4)			ice (F13) (MLR	Δ 136 122)	3Ind	icators of h	ydrophytic veg	etation and
	edox (S5)				F19) (MLRA 14			logy must be p	
	Matrix (S6)				MLRA 127, 147		-	ed or problem	
	ayer (if observed):			· / ·	· · · · · · · · · · · · · · · · · · ·	Ì		•	
-									
Туре:						Hydric Soil	Present?	Yes 🗸	No
Type: Depth (inc	:hes):								
Depth (inc	hes):					1			
Depth (inc	hes):					1			
Depth (inc	hes):								
Depth (inc	hes):					•			
Depth (inc	hes):								
Depth (inc	hes):								
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Depth (inc	hes):								
Depth (inc	hes):								
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Depth (inc	hes):								
Depth (inc	hes):								
Depth (inc	hes):								
Depth (inc	hes):								
Depth (inc	hes):								

Wetland ID W-KM01-PEM4

Cowardin Code PEM Date 03/30/21



Photograph Number <u>561</u> Photograph Direction SW

Comments:



Photograph Number <u>562</u> Photograph Direction SSE

Comments:

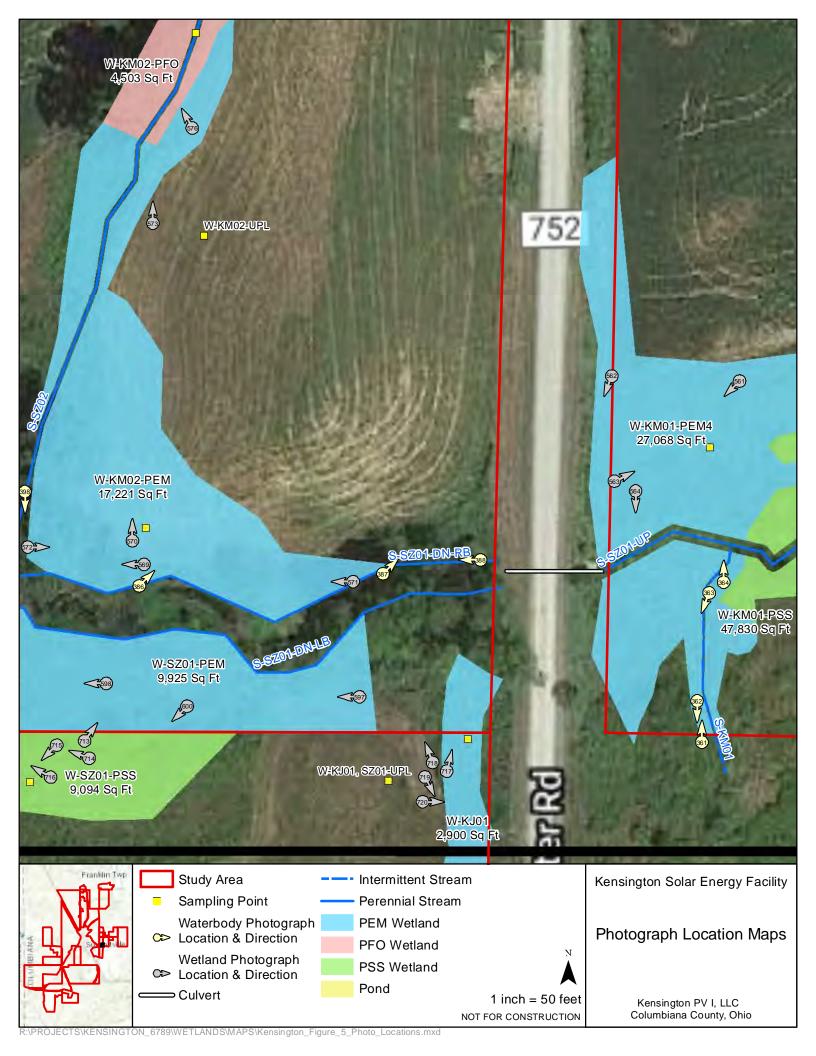


Photograph Number <u>563</u> Photograph Direction ENE

Comments:



Photograph Number ___564 Photograph Direction South



Project/Site: Kensington	City/County: Columbiana Sampling Date: 03/30/21						
Applicant/Owner: Kensington PV I, LLC							
	Section, Township, Rai						
ů (, ,	Local relief (concave, conv		Slope (%): 0-5%				
Subregion (LRR or MLRA): LRRN La	t 40.679985	g: <u>-</u> 80.875502	Datum: NAD 83				
Soil Map Unit Name: CoC: Coshocton silt loam							
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes No	(If no, explain in Rema	arks.)				
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "	'Normal Circumstances" prese	ent? Yes 🖊 No				
Are Vegetation, Soil, or Hydrology		eeded, explain any answers in					
SUMMARY OF FINDINGS – Attach site							
Hydrophytic Vegetation Present? Yes	Nolo the Sempled						
Hydric Soil Present? Yes	- Is the Sampled		Na				
Wetland Hydrology Present? Yes		id? Yes	NO				
Remarks: Cowardin Code: PSS	HGM: Riverine Water	Type: A4WETABUT					
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicators	(minimum of two required)				
Primary Indicators (minimum of one is required; che	ck all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1)	_ True Aquatic Plants (B14)	Sparsely Vegeta	ted Concave Surface (B8)				
High Water Table (A2)	_ Hydrogen Sulfide Odor (C1)	Drainage Pattern	ns (B10)				
Saturation (A3)	Oxidized Rhizospheres on Living Roots	s (C3) Moss Trim Lines	(B16)				
Water Marks (B1)	Presence of Reduced Iron (C4)	Dry-Season Wate	er Table (C2)				
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (0	C6) Crayfish Burrows	s (C8)				
Drift Deposits (B3)	_ Thin Muck Surface (C7)		e on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Stunted or Stress					
Iron Deposits (B5)		<u>✓</u> Geomorphic Pos					
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3) Microtopographic Relief (D4)					
Water-Stained Leaves (B9)		<pre> Microtopographic Relief (D4) FAC-Neutral Test (D5)</pre>					
Aquatic Fauna (B13)		FAC-Neutral Tes	ET (D5)				
Field Observations: Surface Water Present? Yes No	Depth (inches):						
	Depth (inches):						
		.tland Hedralam. Duana.	Voc V No				
(includes capillary fringe)	Depth (inches): we	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspections), if available:					
Davida							
Remarks:							

Sampling Point: W-KM01-PSS	ampling	Point:	W-KN	101-PSS
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Troo Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30')	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1,				That Are OBL, FACW, or FAC:3 (A)
2				Total Number of Deminerat
3				Total Number of Dominant Species Across All Strata:3 (B)
				Openies / toress / tir etrata.
4		-		Percent of Dominant Species That Are ORL FACW or FAC: 100% (A/R)
5			· ——	That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				
	0	= Total Cov	er _	
50% of total cover:0	20% of	total cover	. 0	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Alnus serrulata	50	~	OBL	FAC species x 3 =
2				FACU species x 4 =
		-		UPL species x 5 =
3		-		Column Totals: (A) (B)
4,		-		Goldmin rotals: (r) (b)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9.				
	50	= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 25				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Poa trivialis	60	/	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Symplocarpus foetidus	20		OBL	
	10		OBL	¹ Indicators of hydric soil and wetland hydrology must
3. Leersia Iryzoides			OBL	be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				g
•				Sapling/Shrub – Woody plants, excluding vines, less
•				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				my tan.
11	-00			Herb – All herbaceous (non-woody) plants, regardless
45		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45	20% of	total cover	10	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1,				
2				
3				
4				
5.	-	-		Hydrophytic Vegetation
J	0	T-1-1-0		Present? Yes No
50% of total cover: 0		= Total Cov	_	
		total cover		
Remarks: (Include photo numbers here or on a separate s	heet.)			

Depth	Matrix	%		x Features	Type ¹	Loc ²	Tovtura		Domortia	
inches) 0-10	Color (moist) 10YR 4/1	80	Color (moist) 7.5YR4/6		Type ¹ C	M/PL	Texture SIL		Remarks	5
10-14	10YR 4/1	50	7.5YR 4/6	10	<u>C</u>	M/PL	SIL	-		
	10YR 4/6	40								
								-		
								-		
								-		
ype: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, M	S=Masked S	Sand Gra	ins.	² Location: P	L=Pore Lin	ing, M=Matrix	х.
	ndicators:									Hydric Soils ³ :
_ Histosol			Dark Surface						A10) (MLRA	
	pipedon (A2)		Polyvalue Be		. , .		148) C		e Redox (A16	3)
_ Black Hi			Thin Dark Su			17, 148)		(MLRA 14		(510)
	n Sulfide (A4) I Layers (A5)		Loamy Gleye Depleted Ma	•	2)		_ P	edmont Fit (MLRA 13)	oodplain Soil	s (F19)
	ck (A10) (LRR N)		Redox Dark)		V		v Dark Surfac	ce (TF12)
	Below Dark Surface	e (A11)	Depleted Da						in in Remark	
_	ark Surface (A12)	` ,	Redox Depre					` .		,
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan		(F12) (L	RR N,				
	147, 148)		MLRA 13	•			3			
	leyed Matrix (S4)		Umbric Surfa							egetation and
	edox (S5) Matrix (S6)		Piedmont Florent New Parent Ne					-	logy must be ed or proble	
	_ayer (if observed):		Red Falenti	viateriai (i Z	i) (IVILIXA	127, 147) un	iess distain	ed of problet	matic.
Type:	,									
Depth (inc	ches):						Hydric Soil	Present?	Yes 🗸	No
emarks:							.,			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										

Wetland ID W-KM01-PSS

Cowardin Code PSS Date 03/30/21



Photograph Number <u>565</u> Photograph Direction NW

Comments:



Photograph Number <u>566</u> Photograph Direction SW

Comments:



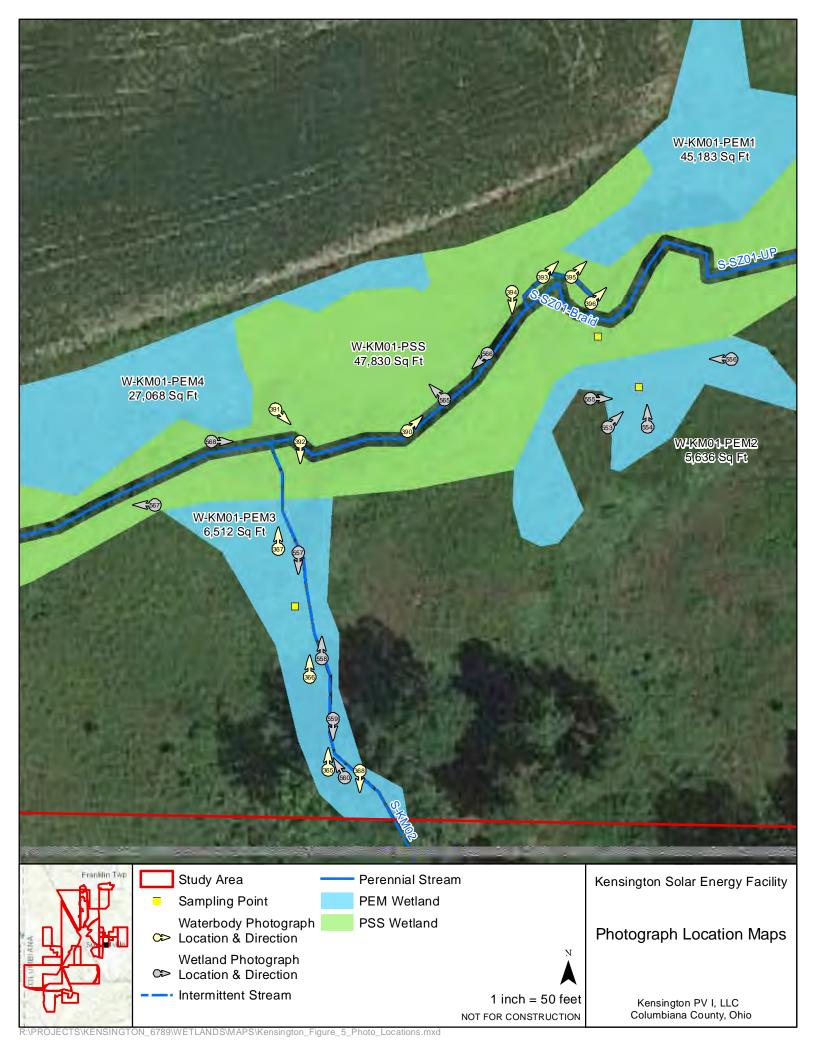
Photograph Number <u>567</u> Photograph Direction West

Comments:



Photograph Number ___568

Photograph Direction _____



Project/Site: Kensington	City/County: Columbiana Sampling Date: 03/30/21						
Applicant/Owner: Kensington PV I, LLC	State: OH Sampling Point: W-KM01-UPL						
	Section, To						
Landform (hillslope, terrace, etc.): Hillslope			: Convex Slope (%): 5-10%				
Subregion (LRR or MLRA): LRRN	Lat: 40.680598	Long: -80.8	75086 Datum: NAD 83				
Soil Map Unit Name: CoC: Coshocton silt lo							
Are climatic / hydrologic conditions on the site typi	cal for this time of year? Yes	✓ No (If	no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal C	ircumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology			blain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach si							
Hudaanhutia Varatatiaa Buasat2	No. V						
	No.	e Sampled Area					
	No with	in a Wetland?	Yes No				
Remarks: Cowardin Code: UPLAND	HGM:	Water Type:					
HYDROLOGY							
Wetland Hydrology Indicators:		S	econdary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)				
Surface Water (A1)	True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)	Hydrogen Sulfide Odor (C1) _	_ Drainage Patterns (B10)				
Saturation (A3)	Oxidized Rhizospheres on	Living Roots (C3) _	_ Moss Trim Lines (B16)				
Water Marks (B1)	Presence of Reduced Iron	(C4)	_ Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Recent Iron Reduction in T	lled Soils (C6)	_ Crayfish Burrows (C8)				
Drift Deposits (B3)	Thin Muck Surface (C7)	_	_ Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Remarks)	_	_ Stunted or Stressed Plants (D1)				
Iron Deposits (B5)		_	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)		_	Shallow Aquitard (D3) Microtopographic Relief (D4)				
Water-Stained Leaves (B9)Aquatic Fauna (B13)		_	Microtopographic Relief (D4) FAC-Neutral Test (D5)				
Field Observations:			_ FAC-Neutral Test (D3)				
	Depth (inches):						
	Depth (inches):						
	Depth (inches):		drology Present? Yes No				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitor	ring well, aerial photos, previous	inspections), if availa	ble:				
Remarks:							
Remarks.							

Sampling	Point:	W-KM0 ⁻	I-UPL
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301	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:)		Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
1		-	· ——	That Are OBL, FACW, OF FAC.
2				Total Number of Dominant Species Across All Strata: 5 (B)
3		-	· ·	Species Across All Strata: 5 (B)
4			· ——	Percent of Dominant Species
5			· 	That Are OBL, FACW, or FAC: 20% (A/B)
6				Prevalence Index worksheet:
7			<u> </u>	Total % Cover of: Multiply by:
2		= Total Cov		OBL species x 1 =
50% of total cover: 0	20% of	total cover	:0	
Sapling/Shrub Stratum (Plot size: 15')	40		E4011	FACW species x 2 =
1. Rosa multifolra	40		F <u>ACU</u>	FAC species x 3 =
2. Rubus allegheniensis	20		F <u>ACU</u>	FACU species x 4 =
3				UPL species x 5 =
4				Column Totals: (A) (B)
5				Dravelance Index D/A
6		·		Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
8			·	1 - Rapid Test for Hydrophytic Vegetation
9.			·	✓ 2 - Dominance Test is >50%
5	60	= Total Cov		3 - Prevalence Index is ≤3.0 ¹
50% of total cover:30		total cover		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')	20 /6 01	total cover		data in Remarks or on a separate sheet)
1. Solidago canadensis	15	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dichanthelium clandestinum	20		FAC	
	15		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Dactylis glomerata				be present, unless disturbed or problematic.
4. Vernonia noveboracensis	5		FACW	Definitions of Four Vegetation Strata:
5. Achillea millefolium	5		FACU	Total Washington and allowed to 10 (7.0 and an
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Canling/Chruh Woody plants evaluding visco loss
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11.				Have All have account (non-woods) plants, regardless
	60	= Total Cov	/er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 30		total cover		
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in
1				height.
2.		-	• •	
3				
			· -	
4		-	· ——	Hydrophytic
5	0			Vegetation Present? Yes No _ ✓
50% of total cover: 0		= Total Cov	•	100 100
		total cover		
Remarks: (Include photo numbers here or on a separate s	neet.)			

		o the depth	needed to document the indicator or c	onfirm the ab	sence of indicate	ors.)	
Depth (inches)	Matrix Color (moist)	<u></u> %	Redox Features Color (moist) % Type¹ Lo	oc² Tex	ture	Remarks	
0-12	10YR 4/4	100			SIL		
12-16	10YR 5/4	100			 CL		
12-10	10111 3/4	100			<u></u>		
	-						
						,	
		etion, RM=Re	educed Matrix, MS=Masked Sand Grains.	. ² Loca	tion: PL=Pore Lin		
Hydric Soil I	ndicators:				Indicators for P	roblematic Hy	ydric Soils³:
Histosol			Dark Surface (S7)			A10) (MLRA 1	•
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA			e Redox (A16)	
Black Hi			Thin Dark Surface (S9) (MLRA 147,	148)	(MLRA 14		(F40)
	n Sulfide (A4) I Layers (A5)		Loamy Gleyed Matrix (F2)Depleted Matrix (F3)		Pleamont Fig.	oodplain Soils	(F19)
	ck (A10) (LRR N)		Redox Dark Surface (F6)		•	v Dark Surface	(TF12)
	Below Dark Surface	e (A11)	Depleted Dark Surface (F7)			in in Remarks	
	ark Surface (A12)	` ,	Redox Depressions (F8)		` `		•
	lucky Mineral (S1) (L	RR N,	Iron-Manganese Masses (F12) (LRR	. N,			
	147, 148)		MLRA 136)		2		
	leyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 13		³ Indicators of h		-
	edox (S5)		Piedmont Floodplain Soils (F19) (ML		wetland hydro		
	Matrix (S6) ayer (if observed):		Red Parent Material (F21) (MLRA 12	27, 147)	unless disturb	ed of problem	ialic.
Type:	ayer (ii observea).						
	ches):		_	Hydr	ric Soil Present?	Yes	No 🗸
Remarks:			_	Tiyui	ic doil i resent:		
Nemains.							

Project/Site: Kensington	City/C	ounty: Columbiana	Sampling Date: 03/30/21				
Applicant/Owner: Kensington PV I, LLC		State: OH					
Investigator(s): KMM, SAZ Section, Township, Range: N/A							
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-3%							
Subregion (LRR or MLRA): LRRN	Lat. 40.679643		878164 Datum: NAD 83				
Soil Map Unit Name: CoC: Coshocton silt lo			· · · · · · · · · · · · · · · · · · ·				
Are climatic / hydrologic conditions on the site typi							
	· · · · · · · · · · · · · · · · · · ·						
Are Vegetation, Soil, or Hydrology							
Are Vegetation, Soil, or Hydrology			xplain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach sit	te map showing sam	ipling point locatio	ns, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes	✓ No	Is the Sampled Area					
Hydric Soil Present? Yes	✓ No	within a Wetland?	Yes 🗸 No				
Wetland Hydrology Present? Yes	✓ No						
Remarks: Cowardin Code: PEM	HGM: Riverine	Water Type: A	A4WETABUT				
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)				
✓ Surface Water (A1)	True Aquatic Plants (I	·	Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)	Hydrogen Sulfide Odd		Drainage Patterns (B10)				
Saturation (A3)		Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1)		Presence of Reduced Iron (C4) Dry-Season Water Table (C2)					
Sediment Deposits (B2)		Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3)	Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9)						
Algal Mat or Crust (B4)	Other (Explain in Ren	Stunted or Stressed Plants (D1)					
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)				
Water-Stained Leaves (B9)			Microtopographic Relief (D4)				
Aquatic Fauna (B13)			FAC-Neutral Test (D5)				
Field Observations:							
	Doptii (interios)	0.5					
Water Table Present? Yes No _	Depth (inches):	0					
	Depth (inches):	0 Wetland H	Hydrology Present? Yes <u>✓</u> No				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, pre	vious inspections), if avai	lable:				
	g, acriai priotoc, pro	,,					
Remarks:							

Sampling F	oint W-KN	102-PEM
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Trop Strotum (Blot size: 30'	Absolute	Dominant		Dominance Test worksheet:
Tiee Stratum (Flot Size)		Species?	<u>Status</u>	Number of Dominant Species
1				That Are OBL, FACW, or FAC:4 (A)
2				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				That Are OBE, I AGW, OF I AG.
7				Prevalence Index worksheet:
	0	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 0				OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')	20 /0 0.	10101 00101		FACW species x 2 =
				FAC species x 3 =
1				FACU species x 4 =
2		-		UPL species x 5 =
3				
4				Column Totals: (A) (B)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				
	_	= Total Cov	er	3 - Prevalence Index is ≤3.0¹
50% of total cover:0				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Poa trivialis	20	/	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Carex vulpinoidea	20		OBL	
3. Juncus effusus	15		FACW	¹ Indicators of hydric soil and wetland hydrology must
4 Phalaris arundinacea	15		FACW	be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
5. Dactylis glomerata	10		FACU FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Trifolium repens	10			more in diameter at breast height (DBH), regardless of
7. Epilobium coloratum	5		FACW_	height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	95	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.5				
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in height.
				neight.
1				
3				
4				Hydrophytic
5				Vegetation No. 1
		= Total Cov	_	Present? Yes No
50% of total cover:0	20% of	total cover:	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

Depth (inches)	Matrix Color (moist)	%	Redox Color (moist)	x Features	rpe ¹ Loc ²	Texture	Remarks
0-2	10YR 4/2	90	7.5 YR 4/6	10 C		SIL	Remarks
3-16	10YR 4/1	<u>95</u>	7.5YR 4/6	<u>5</u> C	<u>M/PL</u>	SICL	
							-
vne: C=Cc	oncentration, D=Depl	etion. RM=	Reduced Matrix, MS	S=Masked Sar	nd Grains	² I ocation: P	L=Pore Lining, M=Matrix.
	ndicators:	0.0011, 1.001	rtoadood matrix, me	-madrida dar	ia Granio.		ators for Problematic Hydric Soils
_ Histosol			Dark Surface	(S7)			cm Muck (A10) (MLRA 147)
	ipedon (A2)				88) (MLRA 147 ,		Coast Prairie Redox (A16)
Black His	stic (A3)		·		RA 147, 148)		(MLRA 147, 148)
_ Hydroger	n Sulfide (A4)		Loamy Gleye	d Matrix (F2)		P	riedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mat				(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S				Yery Shallow Dark Surface (TF12)
_	Below Dark Surface	e (A11)		k Surface (F7)		Other (Explain in Remarks)
	irk Surface (A12) lucky Mineral (S1) (L	RR N	Redox Depre Iron-Mangane		(12) (I RR N		
	147, 148)	.NN N,	MLRA 130		12) (LKK N,		
	leyed Matrix (S4)		Umbric Surfa	•	RA 136, 122)	³ Ind	licators of hydrophytic vegetation and
	edox (S5)				(F19) (MLRA 1 4		etland hydrology must be present,
	Matrix (S6)				MLRA 127, 147		less disturbed or problematic.
estrictive L	.ayer (if observed):						
estrictive L Type:	.ayer (if observed):						
			<u> </u>			Hydric Soil	Present? Yes <u>✓</u> No
Type:			<u> </u>			Hydric Soil	Present? Yes V No
Type:			_			Hydric Soil	Present? Yes <u>✓</u> No
Type:						Hydric Soil	Present? Yes <u>V</u> No
Type: Depth (inc						Hydric Soil	Present? Yes <u>✓</u> No
Type:						Hydric Soil	Present? Yes <u>V</u> No
Type:						Hydric Soil	Present? Yes <u>✓</u> No
Type:						Hydric Soil	Present? Yes V No
Type:						Hydric Soil	Present? Yes V No
Type: Depth (inc						Hydric Soil	Present? Yes V No
Type: Depth (inc						Hydric Soil	Present? Yes <u>✓</u> No
Type: Depth (inc						Hydric Soil	Present? Yes V No
Type: Depth (inc						Hydric Soil	Present? Yes V No
Type: Depth (inc						Hydric Soil	Present? Yes V No
Type: Depth (inc						Hydric Soil	Present? Yes V No
Type: Depth (inc						Hydric Soil	Present? Yes V No
Type:						Hydric Soil	Present? Yes V No
Туре:						Hydric Soil	Present? Yes V No
Type:						Hydric Soil	Present? Yes V No
Type:						Hydric Soil	Present? Yes V No
Type:						Hydric Soil	Present? Yes 🗸 No
Type:						Hydric Soil	Present? Yes V No
Type:						Hydric Soil	Present? Yes V No

Wetland ID W-KM02-PEM

Cowardin Code PEM Date 03/30/21



Photograph Number <u>569</u> Photograph Direction West

Comments:



Photograph Number <u>570</u> Photograph Direction North

Comments:

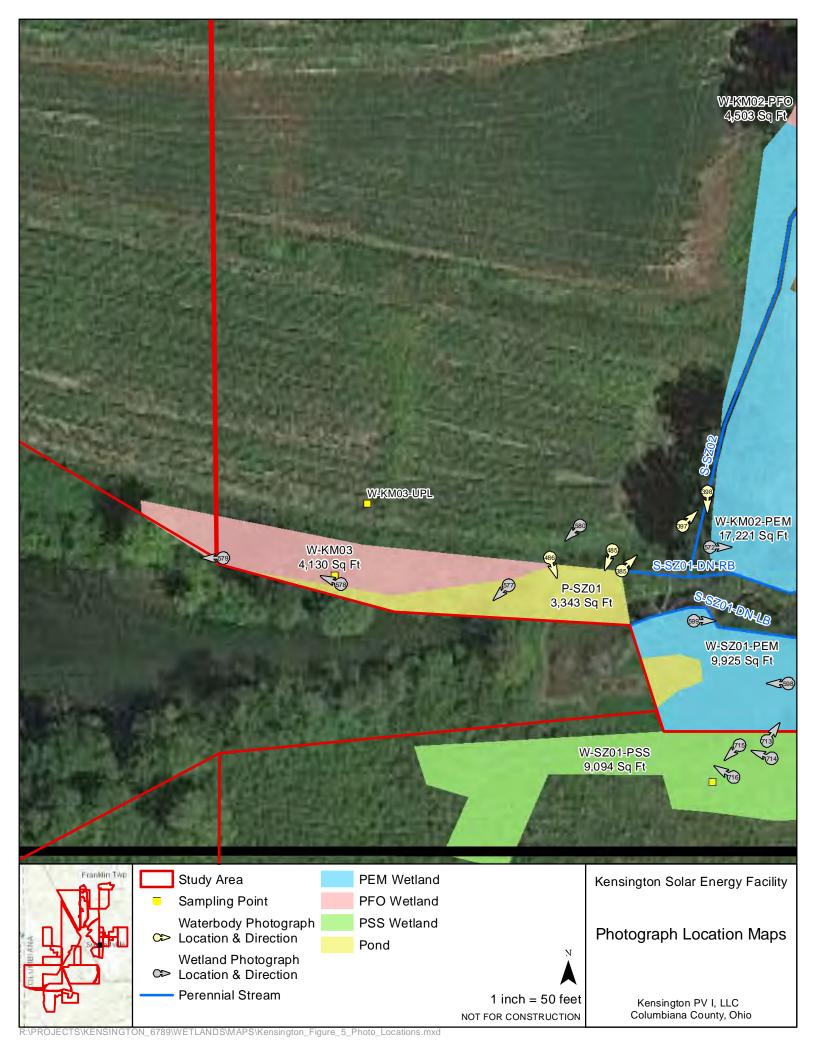


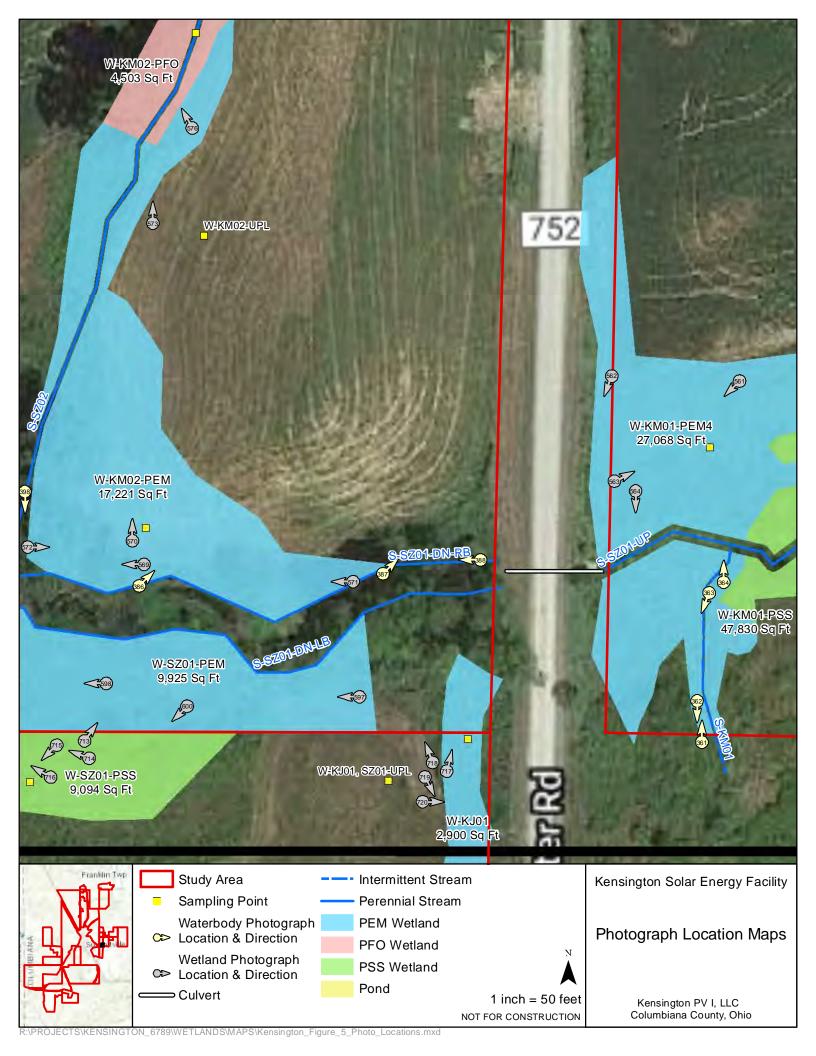
Photograph Number <u>571</u> Photograph Direction West

Comments:



Photograph Number ___572 Photograph Direction East





Project/Site: Kensington	City/C	county: Columbiana	Sampling Date: 03/30/21					
Applicant/Owner: Kensington PV I, LLC		State: OH						
Investigator(s): KMM, SAZ Section, Township, Range: N/A								
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-3%								
Subregion (LRR or MLRA): LRRN	+ 40.680349							
Subregion (LRR or MLRA): LRRN Lat: 40.680349 Long: -80.878054 Datum: NAD 83 Soil Map Unit Name: CoC: Coshocton silt loam, 6 to 15 percent slopes NWI classification: N/A								
Are climatic / hydrologic conditions on the site typical		_						
Are Vegetation, Soil, or Hydrology	•		_					
Are Vegetation, Soil, or Hydrology			xplain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Yes	No	Is the Sampled Area						
Hydric Soil Present? Yes <u>✓</u>	No	within a Wetland?	Yes No					
Wetland Hydrology Present? Yes	No							
Remarks: Cowardin Code: PFO	HGM: Riverine	Water Type: A	A4WETABUT					
HYDROLOGY								
Wetland Hydrology Indicators:	als all that annies		Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; che		<u> </u>	Surface Soil Cracks (B6)					
Surface Water (A1) High Water Table (A2)	True Aquatic Plants (I		Sparsely Vegetated Concave Surface (B8)					
Saturation (A3)	Hydrogen Sulfide Odor (C1) Drainage Patterns (B10) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)							
<u> </u>	Presence of Reduced	-	Nioss Till Ellies (BTo) Dry-Season Water Table (C2)					
Sediment Deposits (B2)	Recent Iron Reductio		Dry-Season Water Table (C2) Crayfish Burrows (C8)					
Drift Deposits (B3)	Thin Muck Surface (C		Crayist Burlows (Co) Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4)	Other (Explain in Ren		Saturation visible on Aerial imagery (C9) Stunted or Stressed Plants (D1)					
Iron Deposits (B5)		Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)					
Water-Stained Leaves (B9)			Microtopographic Relief (D4)					
Aquatic Fauna (B13)			FAC-Neutral Test (D5)					
Field Observations:								
Surface Water Present? Yes No	Depth (inches):							
	Depth (inches):	4						
Saturation Present? Yes V		0 Wetland H	Hydrology Present? Yes <u>✓</u> No					
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, pre	vious inspections), if avai	lable:					
Remarks:								

Sampling	ı Point: W-KM02-PFO
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	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')		Species?		Number of Dominant Species
1 Quercus bicolor	40	~	FACW	That Are OBL, FACW, or FAC: 6 (A)
·· ·				(1)
2				Total Number of Dominant
3				Species Across All Strata: 8 (B)
4				Demonstrat Demoissant Operation
5				Percent of Dominant Species That Are OBL, FACW, or FAC:75% (A/B)
				That Are OBL, FACW, or FAC (A/B)
6		-		Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		
50% of total cover: 20	20% of	total cover	<u>. 8</u>	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15'				FACW species x 2 =
1 Alnus glutinosa	40	✓	FACW	FAC species x 3 =
2. Cornus amomum	15			FACU species x 4 =
			F <u>ACW</u>	
3				UPL species x 5 =
4				Column Totals: (A) (B)
5				
				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				
	55	Tatal Car		3 - Prevalence Index is ≤3.0 ¹
500/ // / 27.5		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>27.5</u>	20% of	total cover	:11	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5'				Problematic Hydrophytic Vegetation ¹ (Explain)
1. Poa trivialis	20		FACW	Problematic Hydrophytic Vegetation (Explain)
2. Leersia oryzoides	15	✓	OBL	
3. Juncus effusus	5		FACW	¹ Indicators of hydric soil and wetland hydrology must
	5	-		be present, unless disturbed or problematic.
4. Phalaris arundinacea			FACW_	Definitions of Four Vegetation Strata:
5. Rumex crispus	10		FACU_	
6. Trifolium repens	10	~	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Ranunculus repens	10	<u> </u>	FAC	more in diameter at breast height (DBH), regardless of height.
		-		neight.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				
	75	Tatal Car		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
500/ of total account 37 F		= Total Cov		of size, and woody plants less than 3.20 it tall.
50% of total cover: 37.5	20% 01	total cover		Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size:)				height.
1				
2				
2				
		-		
4		-	·	Hydrophytic
5				Vegetation
	0	= Total Cov	er er	Present? Yes V No No
50% of total cover: 0		total cover		
Remarks: (Include photo numbers here or on a separate s				l
Tromains. (moidde prioto numbers nere or on a separate s	1001.)			

Depth (inches)	Matrix	%	Redo:	x Features	pe ¹ Loc ²	Texture		Domorlo	
(inches) 0-4	Color (moist) 10YR 4/2	90	Color (moist) 7.5 YR 4/6	10 C	M/PL	SIL		Remarks	
							-		
4-18	10YR 4/1	95	7.5YR 4/6	<u>5</u> <u>C</u>	<u>M/PL</u>	SICL	-		
			<u> </u>						
Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked San	d Grains.	² Location: Pl	L=Pore Linir	ng, M=Matrix.	
ydric Soil I		•	,			Indica	tors for Pr	oblematic Hy	dric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)		2	cm Muck (A	10) (MLRA 1	47)
_ Histic Ep	ipedon (A2)		Polyvalue Be	low Surface (S	8) (MLRA 147,	148) C	oast Prairie	Redox (A16)	
_ Black His				rface (S9) (ML	RA 147, 148)		(MLRA 14		
	n Sulfide (A4)		Loamy Gleye			P		odplain Soils	(F19)
	Layers (A5)		Depleted Mat	. ,			(MLRA 13		
	ck (A10) (LRR N)	(044)	Redox Dark S	, ,				Dark Surface	
_	l Below Dark Surface irk Surface (A12)	(A11)	Redox Depre	k Surface (F7)		_ 0	ıtrier (⊏xpiai	n in Remarks)	
	lucky Mineral (S1) (L	RR N.		ese Masses (F	12) (LRR N .				
	147, 148)	,	MLRA 13		, (,				
	leyed Matrix (S4)			ce (F13) (MLR	A 136, 122)	³ Ind	icators of hy	drophytic veg	etation and
	edox (S5)				- 19) (MLRA 14			ogy must be p	
_ Stripped	Matrix (S6)		Red Parent N	/laterial (F21) (I	MLRA 127, 147	') unl	ess disturbe	ed or problema	atic.
estrictive L	.ayer (if observed):								
-			<u></u>						
Type:						Hydric Soil	Present?	Yes 🗸	No
Type: Depth (inc	ches):		<u> </u>			-			
Depth (inc	ches):								
Depth (inc	ches):		<u> </u>						
Depth (inc	ches):					1 -			
Depth (inc	ches):								
Depth (inc	:hes):								
Depth (inc	:hes):								
Depth (inc	ches):					1 -			
Depth (inc	ches):					1 -			
Depth (inc	ches):					1 -			
Depth (inc	ches):								
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Depth (inc	ches):								
Depth (inc	ches):								

Photograph Page

Wetland ID W-KM02-PFO

Cowardin Code PFO Date 03/30/21



Photograph Number <u>573</u> Photograph Direction North

Comments:



Photograph Number <u>574</u> Photograph Direction $\underline{\text{North}}$

Comments:

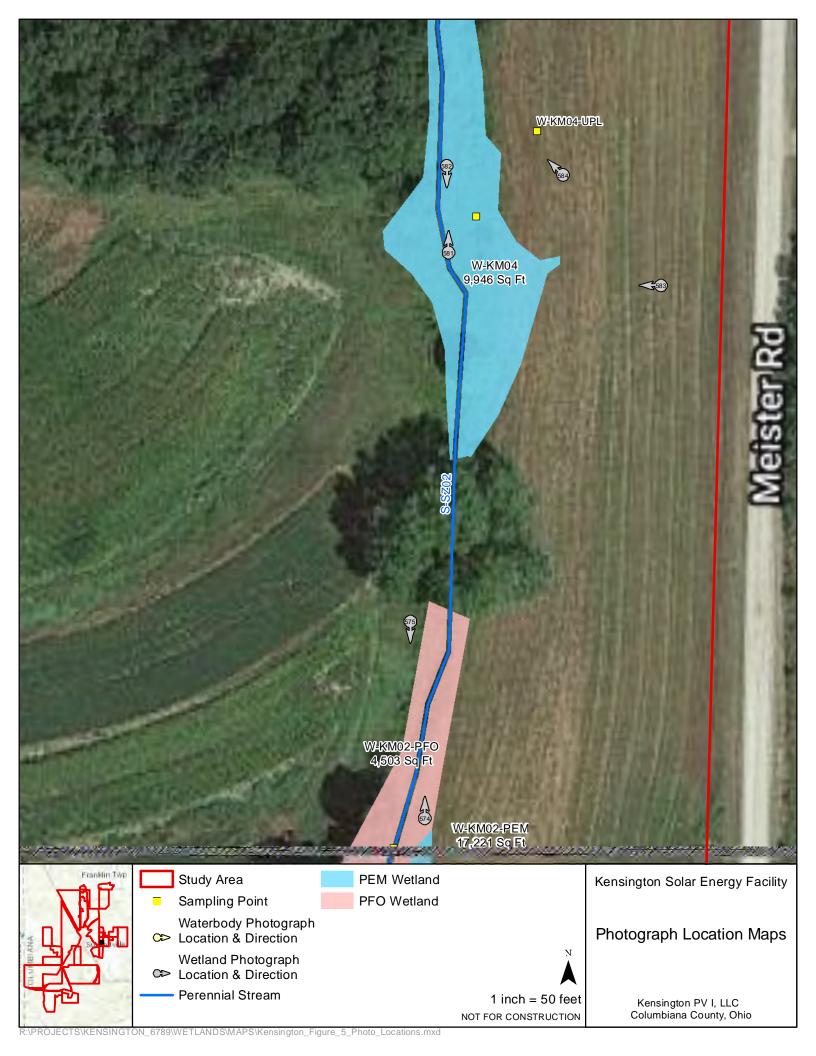


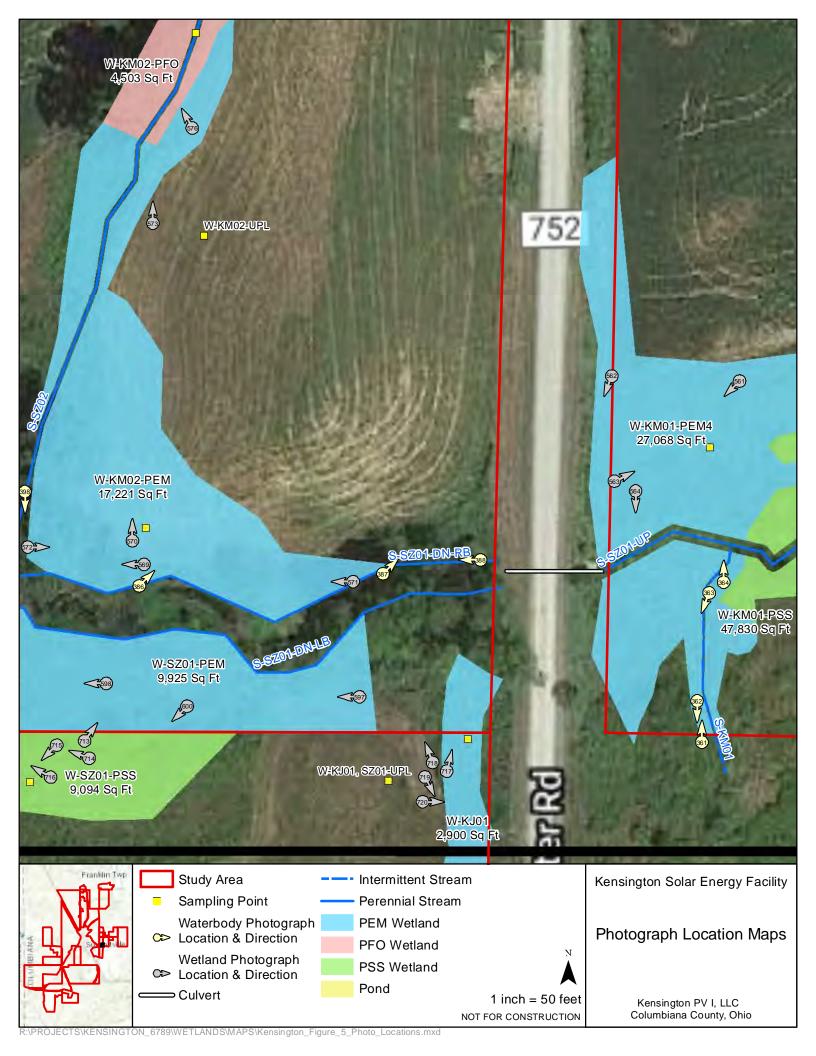
Photograph Number <u>575</u> Photograph Direction South

Comments:



Photograph Number ___576 Photograph Direction NNW





Project/Site: Kensington	City/County: County	olumbiana	Sampling Date: 03/30/21			
Applicant/Owner: Kensington PV I, LLC		State: OH				
	Section, Townsl					
Landform (hillslope, terrace, etc.): Hillslope		-	: Convex Slope (%): 0-5%			
Subregion (LRR or MLRA): LRRN			78045 Datum: NAD 83			
Soil Map Unit Name: CoC: Coshocton silt lo						
Are climatic / hydrologic conditions on the site typ	ical for this time of year? Yes	O (If r	no, explain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Ci	ircumstances" present? Yes No			
Are Vegetation, Soil, or Hydrology			olain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach si			·			
Hudrophytic Vanctation Process?	Na 🗸		•			
	No V	impled Area				
	No within a	Wetland?	Yes No			
Remarks: Cowardin Code: UPLAND		/ater Type:				
HYDROLOGY						
Wetland Hydrology Indicators:		<u>Se</u>	econdary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required;	check all that apply)		_ Surface Soil Cracks (B6)			
Surface Water (A1)	True Aquatic Plants (B14)	_	_ Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	_	_ Drainage Patterns (B10)			
Saturation (A3)	Oxidized Rhizospheres on Livin		_ Moss Trim Lines (B16)			
Water Marks (B1)	Presence of Reduced Iron (C4)	·	_ Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Recent Iron Reduction in Tilled	Soils (C6)	_ Crayfish Burrows (C8)			
Drift Deposits (B3)	Thin Muck Surface (C7)	_	_ Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Other (Explain in Remarks)	_	Stunted or Stressed Plants (D1)			
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		_	Geomorphic Position (D2)			
Water-Stained Leaves (B9)		_	_ Shallow Aquitard (D3) _ Microtopographic Relief (D4)			
Aquatic Fauna (B13)			FAC-Neutral Test (D5)			
Field Observations:		_				
	Depth (inches):					
	Depth (inches):					
	Depth (inches):	Wetland Hvd	drology Present? Yes No			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monito	ring weil, aerial photos, previous insp	ections), if availar	DIE:			
Remarks:						

Sampling	Point: W-KM02-UPL
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Troo Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:
Tiee Stratum (Flot size)	% 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				Description (Description
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				(VD)
7				Prevalence Index worksheet:
	0	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 0		total cover:		OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1				FAC species x 3 =
				FACU species x 4 =
2				UPL species x 5 =
3				Column Totals: (A) (B)
4				(7)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	0	= Total Cov	er	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover: 0	20% of	total cover:	0	
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Phleum pratense	40	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Trifolium repens	25	V	FACU	
3. Plantago lanceolata	10		UPL	¹ Indicators of hydric soil and wetland hydrology must
4. Plantago major	10		FACU	be present, unless disturbed or problematic.
5. Symphyotrichum pilosum	5		FAC	Definitions of Four Vegetation Strata:
6. Daucus carota			UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Dactylis glomerata	5		FACU	more in diameter at breast height (DBH), regardless of
			1 100	height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50	20% of	total cover:	20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				
2				
3				
4				
5.				Hydrophytic Vegetation
o	0	= Total Cov		Present? Yes No
50% of total cover: 0		total cover:	_	
		total cover.		
Remarks: (Include photo numbers here or on a separate sl	neet.)			

Depth	Matrix		Pedo	x Features					
(inches)	Color (moist)	%	Color (moist)	<u>% Ty</u>	pe ¹ Loc ²	Texture		Remarks	
0-5	10YR 4/3	100				SICL			
5-17	10YR 5/3	80	10YR 6/8	20 C	M	SIC		blended /	tilled
									
									
						·			
						·			
						· -	-		
		-				·	-		
						21 5			
Type: C=C Tydric Soil	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	S=Masked Sar	d Grains.	² Location: Pl			ydric Soils³:
Histosol			Dark Surface	(S7)			cm Muck (A		-
	pipedon (A2)			low Surface (S	8) (MLRA 147		oast Prairie		
	istic (A3)			rface (S9) (ML	, .	· , <u>—</u>	(MLRA 147		,
Hydroge	en Sulfide (A4)		Loamy Gleye	d Matrix (F2)		P	iedmont Floo	odplain Soils	(F19)
	d Layers (A5)		Depleted Mat				(MLRA 136		
	uck (A10) (LRR N)		Redox Dark S	. ,			ery Shallow		
	d Below Dark Surface	e (A11)		k Surface (F7)		0	ther (Explain	n in Remarks	s)
	ark Surface (A12) ⁄lucky Mineral (S1) (L	DD N	Redox Depre		12) /I DD N				
	Nucky Mineral (ST) (L A 147, 148)	.KK N,	MLRA 130	ese Masses (F 8)	12) (LKK N,				
	Gleyed Matrix (S4)			ce (F13) (MLF	A 136, 122)	³ Ind	icators of hy	drophytic ve	getation and
	Redox (S5)			odplain Soils (tland hydrol		-
-	Matrix (S6)			faterial (F21) (less disturbe		
				. , ,		<u> </u>			
Restrictive	Layer (if observed):								
Restrictive Type:	Layer (if observed):		<u></u>						
Туре:	Layer (if observed):		<u> </u>			Hydric Soil	Present?	Yes	No
Type: Depth (in			_			Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in			<u> </u>			Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in			_			Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u>✔</u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	No V
Type:						Hydric Soil	Present?	Yes	_ No
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u>v</u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (in						Hydric Soil	Present?	Yes	_ No

Project/Site: Kensington	City/County: Columbiana Sampling Date: 03/30/	21		
Applicant/Owner: Kensington PV I, LLC	State: OH Sampling Point: W-KM03			
	Section, Township, Range: N/A			
• , ,	Local relief (concave, convex, none): Concave Slope (%):	0-5%		
Subregion (LRR or MLRA): LRRN La	at: 40.679588 Long: -80.879093 Datum: NAC	83		
	n, 6 to 15 percent slopes NWI classification: PEM1C / PUB			
Are climatic / hydrologic conditions on the site typical	I for this time of year? Yes No (If no, explain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal Circumstances" present? Yes 🔽 N	0		
Are Vegetation, Soil, or Hydrology				
	map showing sampling point locations, transects, important feature	s, etc.		
Hydrophytic Vegetation Present? Yes	No. In the Samulad Area			
Hydric Soil Present? Yes	is the Sampled Area			
Wetland Hydrology Present? Yes				
Remarks: Cowardin Code: PFO	HGM: Riverine Water Type: A4WETABUT			
HYDROLOGY				
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two req	uired)		
Primary Indicators (minimum of one is required; che				
	True Aquatic Plants (B14) Sparsely Vegetated Concave Surface	(B8)		
High Water Table (A2)	Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)	` ,		
	Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)			
Water Marks (B1)	Presence of Reduced Iron (C4) Dry-Season Water Table (C2)			
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8)			
Drift Deposits (B3)	Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Other (Explain in Remarks) Stunted or Stressed Plants (D1)			
Iron Deposits (B5)	Geomorphic Position (D2)			
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)			
Water-Stained Leaves (B9)	Microtopographic Relief (D4)			
Aquatic Fauna (B13)	FAC-Neutral Test (D5)			
Field Observations:				
	Depth (inches):			
	Depth (inches):			
Saturation Present? Yes No	✓ Depth (inches): Wetland Hydrology Present? Yes ✓ No_			
	g well, aerial photos, previous inspections), if available:			
Remarks:				

VEGETATION (Four Strata) - Use scientific names of plants.

Sapling/Shrub Stratum (Plot size: 15')

2. Lonicera morrowii

Tree Stratum (Plot size: _

1. Acer rubrum

1 Rosa multiflora

Herb Stratum (Plot size:

3. Persicaria sagittata

5. Achillea millefolium

4. Euthamia graminifolia

1. Poa trivialis 2. Carex scoparia ___)

0 = Total Cover

Hydrophytic Vegetation

Present?

30 FAC

50% of total cover: 15 20% of total cover: 6

50% of total cover: 15 20% of total cover: 6

10 FACU

50% of total cover: ___35__ 20% of total cover: __14_

50% of total cover: 0 20% of total cover: 0

ames of plants.	Sampling F	Point: W-KM03
Absolute Dominant Indicator	Dominance Test worksheet:	
% Cover Species? Status 30 ✔ FAC	Number of Dominant Species That Are OBL, FACW, or FAC	: <u>3</u> (A)
	Total Number of Dominant Species Across All Strata:	5 (B)
	Percent of Dominant Species That Are OBL, FACW, or FAC	: <u>60%</u> (A/B)
	Prevalence Index worksheet	:
30 = Total Cover	Total % Cover of:	Multiply by:
20% of total cover: 6	OBL species	x 1 =
	FACW species	x 2 =
20 ✔ FACU	FAC species	x 3 =
	FACU species	x 4 =
<u></u> . <u></u>	UPL species	x 5 =
	Column Totals:	(A) (B)
	Prevalence Index = B/A	=
	Hydrophytic Vegetation Indi	cators:
	1 - Rapid Test for Hydropl	nytic Vegetation
	✓ 2 - Dominance Test is >50)%
	3 - Prevalence Index is ≤3	3.0 ¹
= Total Cover	4 - Morphological Adaptat	ions ¹ (Provide supporting
20% of total cover:6	data in Remarks or on	a separate sheet)
30 ✔ FACW	Problematic Hydrophytic \	/egetation ¹ (Explain)
10 FACW		
15	¹ Indicators of hydric soil and w be present, unless disturbed o	
	Definitions of Four Vegetation	on Strata:
FACU	Tree – Woody plants, excludir more in diameter at breast hei height.	
	Sapling/Shrub – Woody plant than 3 in. DBH and greater tha m) tall.	
70 = Total Cover	Herb – All herbaceous (non-w of size, and woody plants less	
20% of total cover:14	Woody vine – All woody vines height.	s greater than 3.28 ft in

Remarks: (Include photo numbers here or on a separate sheet.)

Woody Vine <u>Stratum</u> (Plot size: ______)

Yes V No ____

	Matrix Color (moist)	<u></u> %	Color (moist)	Features -	Type ¹	Loc ² -	<u>Γexture</u>		Remarks	
nches) 0-10	10YR 4/1	95	7.5YR 4/6			<u></u> И/PL	SIL	-	Kemarks	
	10111 471		7.0111 470		<u> </u>		OIL	-		
								-		
			<u> </u>							
ype: C=Cc	ncentration, D=Depl	etion, RM=	Reduced Matrix, MS	=Masked S	and Grain	s. ² Lo	cation: PL	=Pore Lini	ng, M=Matrix.	
ydric Soil I		,	,						oblematic Hy	
Histosol	(A1)		Dark Surface	(S7)			20	cm Muck (A	A10) (MLRA 1	47)
	ipedon (A2)		Polyvalue Bel						Redox (A16)	
_ Black His			Thin Dark Su			, 148)		(MLRA 14		
	n Sulfide (A4)		Loamy Gleye		2)				odplain Soils	(F19)
	Layers (A5)		Depleted Mat	. ,				(MLRA 13		(TE40)
	ck (A10) (LRR N) Below Dark Surface	· (A11)	Redox Dark S Depleted Dar	, ,					Dark Surface in in Remarks	
•	rk Surface (A12)	5 (A11)	Redox Depre		7)		0	illei (Expiai	III III Nemaiks)
	ucky Mineral (S1) (L	.RR N.	Iron-Mangane		(F12) (LR	R N.				
	147, 148)	,	MLRA 136		` / `	,				
	leyed Matrix (S4)		Umbric Surfa	•	LRA 136,	122)	³ Indi	cators of hy	ydrophytic veg	getation and
_ Sandy R	edox (S5)		Piedmont Flo				wet	land hydro	logy must be p	present,
	Matrix (S6)		Red Parent M	laterial (F21) (MLRA 1	27, 147)	unle	ess disturb	ed or problem	atic.
estrictive L	ayer (if observed):									
	ourse fragments									
Depth (inc	thes): 10+					н	ydric Soil I	Present?	Yes	No
emarks:										

Wetland ID W-KM03

Cowardin Code PFO Date 03/30/21



Photograph Number <u>577</u> Photograph Direction <u>SW</u>

Comments:



Photograph Number <u>578</u> Photograph Direction $\underline{^{WSW}}$

Comments:

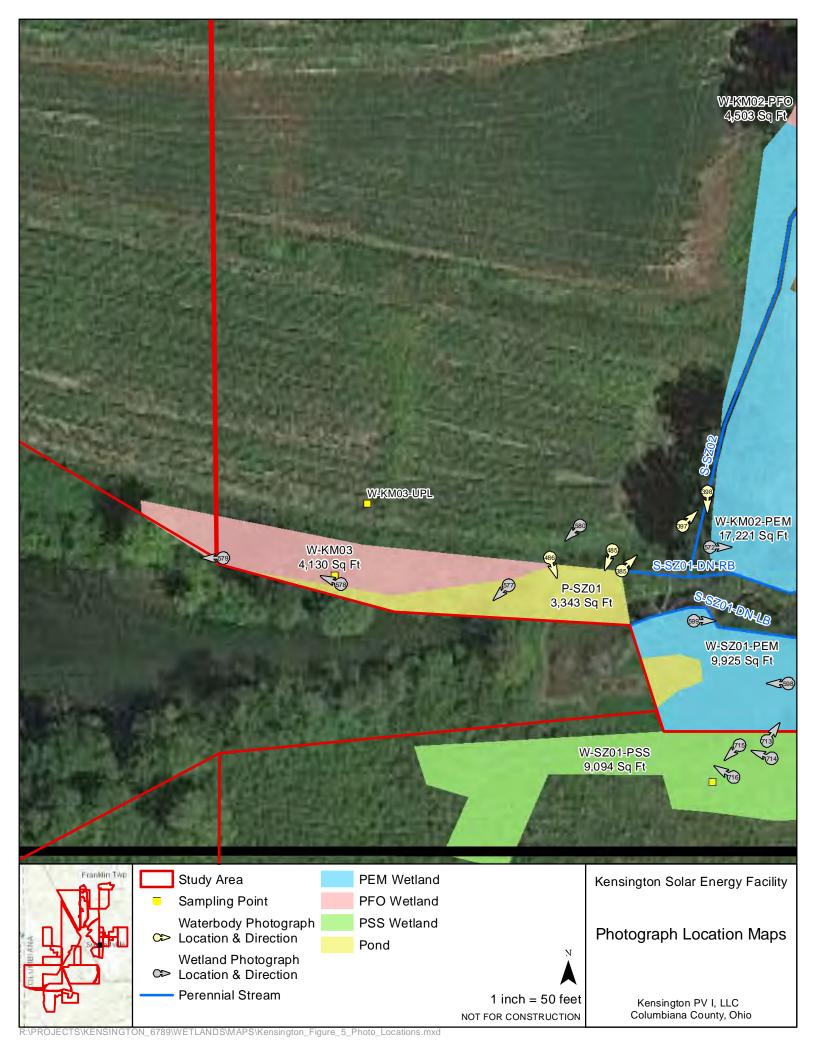


Photograph Number <u>579</u> Photograph Direction West

Comments:



Photograph Number ___580 Photograph Direction SW



Project/Site: Kensington	City/County: Co	lumbiana	Sampling Date: 03/30/21		
Applicant/Owner: Kensington PV I, LLC		State: OH			
	Section, Townsh	in, Range: N/A			
Landform (hillslope, terrace, etc.): Hillslope		-	Convex Slope (%): 0-5%		
Subregion (LRR or MLRA): LRRN			903 Datum: NAD 83		
Soil Map Unit Name: CoC: Coshocton silt lo					
Are climatic / hydrologic conditions on the site typi	cal for this time of year? Yes	No (If no	o, explain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circ	eumstances" present? Yes No		
Are Vegetation, Soil, or Hydrology			in any answers in Remarks.)		
SUMMARY OF FINDINGS – Attach sit			·		
Hudanahutia Variatatian Busant?	No. V		1		
	No.	mpled Area	•		
	No vithin a V	Wetland?	Yes No		
Remarks: Cowardin Code: UPLAND		ater Type:			
V =		,,			
HYDROLOGY					
Wetland Hydrology Indicators:		Sec	ondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)		
Surface Water (A1)	True Aquatic Plants (B14)		Sparsely Vegetated Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Odor (C1)		Drainage Patterns (B10)		
Saturation (A3)	Oxidized Rhizospheres on Living	g Roots (C3)	Moss Trim Lines (B16)		
Water Marks (B1)	Presence of Reduced Iron (C4)		Dry-Season Water Table (C2)		
Sediment Deposits (B2)	Recent Iron Reduction in Tilled S	3oils (C6)	Crayfish Burrows (C8)		
Drift Deposits (B3)	Thin Muck Surface (C7)		Saturation Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Other (Explain in Remarks)		Stunted or Stressed Plants (D1)		
Iron Deposits (B5)		·	Geomorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)		
Water-Stained Leaves (B9)			Microtopographic Relief (D4)		
Aquatic Fauna (B13)			FAC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes No	Depth (inches):				
	Depth (inches):				
	Depth (inches):	Matle e al Ilerale.	ology Present? Yes No		
(includes capillary fringe)		-			
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous inspe	ctions), if available	e:		
Remarks:					

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

Sampling Poin	t:W-KM03-UPL
t worksheet:	<u>'</u>
nant Species	0

30'	Absolute	Dominant		Dominance Test works	neet:		
<u>Tree Stratum</u> (Plot size:) 1	% Cover	Species?	Status	Number of Dominant Spe That Are OBL, FACW, or		0	_ (A)
2							_ , ,
3				Total Number of Dominar Species Across All Strata		2	_ (B)
4				Doroont of Dominant Coo	oi o o		
5	-			Percent of Dominant Spe That Are OBL, FACW, or		0%	_ (A/B)
6				Prevalence Index works	heet:		
7				Total % Cover of:	M	lultiply by:	
500/ -//		= Total Co		OBL species			
50% of total cover: 0	20% of	total cover	: <u> </u>	FACW species			
Sapling/Shrub Stratum (Plot size: 15')				FAC species			
1,				FACU species			
2							
3				UPL species			
4				Column Totals:	(A)		(B)
5				Prevalence Index =	B/A =		_
6				Hydrophytic Vegetation			
7				1 - Rapid Test for Hy		egetation/	
8				2 - Dominance Test i	s >50%		
9		T-1-1-0		3 - Prevalence Index	is ≤3.0 ¹		
50% of total cover:0		= Total Co		4 - Morphological Ad	aptations ¹	(Provide su	pporting
	20% 01	total cover		data in Remarks of	or on a sep	arate sheet)
Herb Stratum (Plot size: 5') 1. Zea mays	50	✓	FACU	Problematic Hydroph	ytic Vegeta	ation ¹ (Expl	ain)
2 Trifolium repens	20	~	FACU				
3. Plantago lanceolata	10		UPL	¹Indicators of hydric soil a			must
4. Plantago major	5		FACU	be present, unless disturb			
5. Phleum pratense	5		FACU	Definitions of Four Veg	etation Str	ata:	
6. Daucus carota	5	-	UPL	Tree - Woody plants, exc			
7. Dactylis glomerata	5		FACU	more in diameter at breas height.	st height (D	BH), regard	dless of
		-		noight.			
8				Sapling/Shrub – Woody			
9 10				than 3 in. DBH and greatem) tall.	er than or e	equal to 3.2	8π(1
11							
	100	= Total Co	ver	Herb – All herbaceous (n of size, and woody plants			ardless
50% of total cover:50		total cover		NAV			0.61
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody height.	vines grea	ter than 3.2	8 π in
1							
2							
3							
4							
5.				Hydrophytic Vegetation			
	0	= Total Co	ver		N	lo 🗸	
	U		_				
50% of total cover: 0		total cover	_" 0				

Depth	cription: (Describe to Matrix	o the depti		K Features	dicator	or commi	n the absence	or indicators.)	
(inches)	Color (moist)	%	Color (moist)	<u> </u>	Type ¹	Loc ²	Texture	Rem	narks
0-5	10YR 4/3	100					SICL		
5-17	10YR 5/3	80	10YR 6/8	20		M	SIC	hlend	ed / tilled
<u> 5-17</u>	101113/3		101110/0			IVI		Diction	cu / tilicu
						· ——			
						·		-	
									
	oncentration, D=Depl	etion, RM=F	Reduced Matrix, MS	=Masked	Sand Gr	ains.		L=Pore Lining, M=M	
Hydric Soil	Indicators:						Indica	ators for Problema	tic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MI	LRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	ow Surfac	e (S8) (N	ILRA 147	, 148) C	Coast Prairie Redox	(A16)
Black Hi	istic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)		(MLRA 147, 148)	
	en Sulfide (A4)		Loamy Gleye		2)		P	edmont Floodplain	Soils (F19)
	d Layers (A5)		Depleted Mat					(MLRA 136, 147)	
	uck (A10) (LRR N)		Redox Dark S	•				ery Shallow Dark S	
	d Below Dark Surface	e (A11)	Depleted Dar		. ,		0	Other (Explain in Rer	narks)
	ark Surface (A12)		Redox Depre						
	Mucky Mineral (S1) (L	.KR N,	Iron-Mangane		s (F12) (LRR N,			
	A 147, 148)		MLRA 136	•	#L DA 42	C 400\	311		tiaa matatia a anal
	Gleyed Matrix (S4)		Umbric Surfa					licators of hydrophyt	-
	Redox (S5)		Piedmont Flo					etland hydrology mus	
	Matrix (S6) Layer (if observed):		Red Parent M	lateriai (FZ	(IVILR	A 127, 14	r) un	less disturbed or pro	Dolematic.
	Layer (II Observeu).								
Type:									4
	ches):						Hydric Soil	Present? Yes _	No
Remarks:									

Project/Site: Kensington		City/C	county: Columbiana	San	npling Date: 03/30/21		
Applicant/Owner: Kensington PV I, LLC State: OH Sampling Point: W-KM04							
Investigator(s): KMM, SAZ Section, Township, Range: N/A							
Landform (hillslope, terrace, etc			· · · · · ·		Slope (%): 0-3%		
Subregion (LRR or MLRA): LI	RRN La			Datum: NAD 83			
Soil Map Unit Name: BkD: B							
Are climatic / hydrologic conditi	ions on the site typical	for this time of year? Y	res No ((If no, explain in Remai	rks.)		
Are Vegetation, Soil	, or Hydrology	significantly distur	bed? Are "Normal	Circumstances" prese	nt? Yes <u>/</u> No		
Are Vegetation, Soil							
SUMMARY OF FINDING							
Hydrophytic Vegetation Prese	ent? Yes	No					
Hydric Soil Present?		No	Is the Sampled Area	Yes	N.		
Wetland Hydrology Present?			within a Wetland?	res	NO		
Remarks: Cowardin Co	Jue. PEM	HGM: Riverine	Water Type:	A4WETADOT			
HYDROLOGY							
Wetland Hydrology Indicato	ors:			Secondary Indicators	(minimum of two required)		
Primary Indicators (minimum	of one is required; che	ck all that apply)		Surface Soil Crac	ks (B6)		
Surface Water (A1)		_ True Aquatic Plants (B14)	Sparsely Vegetate	ed Concave Surface (B8)		
High Water Table (A2)		_ Hydrogen Sulfide Od		Drainage Patterns	s (B10)		
Saturation (A3)			es on Living Roots (C3)	Moss Trim Lines (
Water Marks (B1)	·	Presence of Reduced	, ,	Dry-Season Wate			
Sediment Deposits (B2)	_	Recent Iron Reduction		Crayfish Burrows			
Drift Deposits (B3)		Thin Muck Surface (C			on Aerial Imagery (C9)		
Algal Mat or Crust (B4) Iron Deposits (B5)		Other (Explain in Rer	narks)	Stunted or Stress			
Inundation Visible on Aer	rial Imagery (R7)			Shallow Aquitard			
Water-Stained Leaves (B				Microtopographic			
Aquatic Fauna (B13)	,0)			FAC-Neutral Test			
Field Observations:					(- /		
Surface Water Present?	Yes _ 🗸 No	Depth (inches):	0.5				
Water Table Present?	Yes No No		0				
Saturation Present?		Depth (inches):	0 Wetland H	lydrology Present?	Yes / No		
(includes capillary fringe)							
Describe Recorded Data (stre	am gauge, monitoring	well, aerial photos, pre	vious inspections), if avai	ilable:			
Remarks:							

VEGETATION (Four Strata) - Use scientific names of plants.

30'

Sapling/Shrub Stratum (Plot size: 15')

2. Impatiens capensis

5. Dactylis glomerata

Woody Vine <u>Stratum</u> (Plot size: ______)

Tree Stratum (Plot size: __

Herb Stratum (Plot size: _

4. Phalaris arundinacea

7. Epilobium coloratum

8. Cardamine hirsuta

1. Poa trivialis

3. Juncus effusus

6. Trifolium repens

____)

50% of total cover: ___0

50% of total cover: 60 20% of total cover: 24

50% of total cover: 0 20% of total cover:

50% of total cover: ___0 __ 20% of total cover: ___0

nes of	plants.		Samp	ling Point	: <u>W-KM0</u> 4	ļ
bsolute			Dominance Test work	sheet:		
6 Cover	Species?	Status	Number of Dominant Sp That Are OBL, FACW, o		1	_ (A)
			Total Number of Domina Species Across All Stra		1	_ (B)
			Percent of Dominant Sp That Are OBL, FACW, o		100%	_ (A/B
			Prevalence Index work	ksheet:		
0 :	= Total Cov	er	Total % Cover of:	<u>N</u>	Multiply by:	
	total cover:		OBL species	x 1 =	=	
			FACW species	x 2 =	= <u></u>	
			FAC species	x 3 =	=	
_			FACU species	x 4 =	=	
			UPL species	x 5 =	= <u></u>	
			Column Totals:			
			Prevalence Index	= B/A =		
			Hydrophytic Vegetation	n Indicator	'S:	
			1 - Rapid Test for H			
			2 - Dominance Tes		· ogotatio	
			3 - Prevalence Inde			
0	= Total Cov	er	4 - Morphological A		(Provide si	ınnortir
20% of	total cover:	0	data in Remarks			
			Problematic Hydron			,
70		FACW	Troblematic riyurop	Jilytic veget	ation (Expi	aiii)
20		FACW	1 Indicators of hydric soil	مماليمين	d budralage	
5		FACW_	¹ Indicators of hydric soil be present, unless distu	irbed or pro	d riyarology blematic.	must
5		FACW	Definitions of Four Ve			
5		FACU_		_		
5		FACU_	Tree – Woody plants, e. more in diameter at brea			
5		FACW	height.	ast neight (L	obi i), regar	uless u
5		FACU	Sapling/Shrub – Wood than 3 in. DBH and gream) tall.			
	= Total Cov	~ 4	Herb – All herbaceous (of size, and woody plan			ardles
20% of	total cover:		Woody vine – All wood height.	ly vines grea	ater than 3.2	28 ft in
	= Total Cov	^	Hydrophytic Vegetation Present? Yes	s_ <u> </u>	No	
20% of	total cover:	0				

Remarks: (Include photo numbers here or on a separate sheet.)

Depth (inches)	Matrix Color (moist)	%	Redox Color (moist)	Features %	Type ¹	Loc²	Texture		Remarks	
0-2	10YR 4/2	90	7.5 YR 4/6		C	M/PL	SIL		Remarks	
					_					
3-16	10YR 5/1	95	7.5YR 4/6	5	С	M/PL	SICL			
	-									
			-					-		
			_							
			_							
	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	=Masked S	Sand Gra	ins.	² Location: Pl			1 . 0 3
-	Indicators:		5 1 6 7	(07)				tors for Prob	•	
_ Histosol	(A1) pipedon (A2)		Dark Surface Polyvalue Bel		- (CO) /M	I D A 147		cm Muck (A1 oast Prairie R		47)
HISTIC E			Polyvalue Bei				146) C	(MLRA 147,		
	n Sulfide (A4)		Loamy Gleye			17, 140)	Р	edmont Floor		'F19)
	d Layers (A5)		✓ Depleted Mat	,	_,		<u> </u>	(MLRA 136,		()
	ick (A10) (LRR N)		Redox Dark S		5)		V	ery Shallow D	•	(TF12)
_	d Below Dark Surface	e (A11)	Depleted Darl				0	ther (Explain	n Remarks)	
	ark Surface (A12)		Redox Depres							
	Mucky Mineral (S1) (L	RR N,	Iron-Mangane		s (F12) (L	RR N,				
	147, 148)		MLRA 136	•	II D A 424	422)	31nd	antorn of bud	anhutia uaa	atation and
	Sleyed Matrix (S4) Ledox (S5)		Piedmont Floo					cators of hydi tland hydrolog		
	Matrix (S6)		Red Parent M					ess disturbed		
	_ayer (if observed):			(* =	., (
Туре:										
Depth (in	ches):						Hydric Soil	Present? '	res	No
emarks:							<u> </u>			

Wetland ID W-KM04

Cowardin Code PEM Date 03/30/21



Photograph Number <u>581</u> Photograph Direction North

Comments:



Photograph Number <u>582</u> Photograph Direction South

Comments:

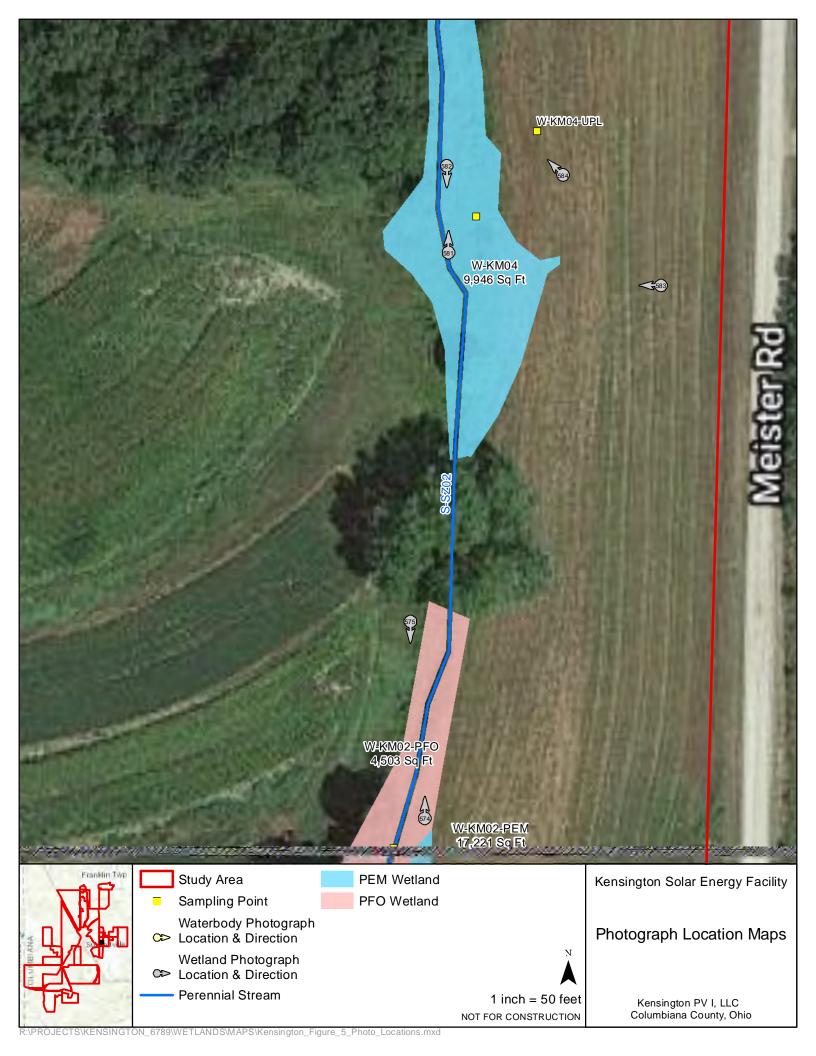


Photograph Number <u>583</u> Photograph Direction West

Comments:



Photograph Number ___584 Photograph Direction NW



Project/Site: Kensington	City/County: Columb	oiana	Sampling Date: 03/30/21				
Applicant/Owner: Kensington PV I, LLC	State: OH Sampling Point: W-KM04-UPL						
nvestigator(s): KMM, SAZ Section, Township, Range: N/A							
Landform (hillslope, terrace, etc.): Hillslope		_	Slope (%): 3-5%				
Subregion (LRR or MLRA): LRRN			Datum: NAD 83				
Soil Map Unit Name: BkD: Berks channery		NWI classifica	tion: N/A				
Are climatic / hydrologic conditions on the site type	ical for this time of year? Yes No _	(If no, explain in Re	marks.)				
Are Vegetation, Soil, or Hydrolog	/ significantly disturbed? Are	"Normal Circumstances" pr	esent? Yes / No				
Are Vegetation, Soil, or Hydrolog							
SUMMARY OF FINDINGS – Attach s							
Hudenhutia Vanatatian Brananto	No. V						
	No V Is the Sampled within a Wetla						
	No within a Wetla	nd? Yes	_ No				
Remarks: Cowardin Code: UPLAND		Type:					
Condition Code: Of LINE	Train.	.,,,,,					
LIVEROLOGY							
HYDROLOGY Western Hydrology Indicators		Cocondon/Indicat	ore (minimum of two required)				
Wetland Hydrology Indicators:	shock all that apply)	<u></u>	ors (minimum of two required)				
Primary Indicators (minimum of one is required;		Surface Soil C					
Surface Water (A1)	True Aquatic Plants (B14)		etated Concave Surface (B8)				
High Water Table (A2) Saturation (A3)	Hydrogen Sulfide Odor (C1)Oxidized Rhizospheres on Living Roo	Drainage Patt					
Water Marks (B1)	Presence of Reduced Iron (C4)	Roots (C3) Moss Trim Lines (B16) Dry-Season Water Table (C2)					
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (· · · · · · · · · · · · · · · · · · ·					
Drift Deposits (B3)	Thin Muck Surface (C7)		ible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Remarks)		essed Plants (D1)				
Iron Deposits (B5)	Guior (Explain in Nomanie)	Geomorphic F					
Inundation Visible on Aerial Imagery (B7)		Shallow Aquita					
Water-Stained Leaves (B9)			phic Relief (D4)				
Aquatic Fauna (B13)		FAC-Neutral T	• ,				
Field Observations:			()				
Surface Water Present? Yes No	Depth (inches):						
	Depth (inches):						
		etland Hydrology Present	? Yes No				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	oring well, aerial photos, previous inspection	s) if available:					
Joseph January Data (elicali gauge, memil		5), αναιιασίοι					
Remarks:							
1							

Troo Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:
Tiee Stratum (Flot size)	% 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				Description of Description of Organiza
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)
6				
7				Prevalence Index worksheet:
	0	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 0		total cover:		OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1				FAC species x 3 =
				FACU species x 4 =
2		· 		UPL species x 5 =
3				Column Totals: (A) (B)
4				(1)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7		· 		1 - Rapid Test for Hydrophytic Vegetation
8		. <u></u>		2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	0	= Total Cov	er	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover: 0	20% of	total cover:	0	
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Phleum pratense	40		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Trifolium repens	25	V	FACU	
3. Plantago lanceolata	10		FACU	¹ Indicators of hydric soil and wetland hydrology must
4. Plantago major	10		FACU	be present, unless disturbed or problematic.
5. Symphyotrichum pilosum	5		FAC	Definitions of Four Vegetation Strata:
6. Daucus carota	5		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Dactylis glomerata	5		FACU	more in diameter at breast height (DBH), regardless of
		· 	1 400	height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9		· 		than 3 in. DBH and greater than or equal to 3.28 ft (1
10		·		m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50	20% of	total cover:	20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				_
2				
3				
4				
5.				Hydrophytic Vegetation
o	0	= Total Cov		Present? Yes No
50% of total cover: 0		total cover:	_	
		total cover.		
Remarks: (Include photo numbers here or on a separate sl	neet.)			
				.

(inches)	Matrix	%	Redox Features	pe ¹ Loc ² Tex	turo	Domostis	
0-5	Color (moist) 10YR 5/4	100	Color (moist) % Typ		ture IL	Remarks	
5-17	10YR 5/6	100		<u>SI</u>	<u>CL</u>		
							
		letion, RM=Re	educed Matrix, MS=Masked San	d Grains. ² Locat	ion: PL=Pore Lini		
lydric Soil I					Indicators for Pr		
Histosol			Dark Surface (S7)	a) (11) = 1 (11)		A10) (MLRA 14	7)
	ipedon (A2)		Polyvalue Below Surface (S		Coast Prairie		
Black His	n Sulfide (A4)		Thin Dark Surface (S9) (ML Loamy Gleyed Matrix (F2)	KA 147, 140)	(MLRA 14		=19)
	Layers (A5)		Depleted Matrix (F3)		(MLRA 13		10)
	ck (A10) (LRR N)		Redox Dark Surface (F6)			/ Dark Surface ((TF12)
	Below Dark Surface	e (A11)	Depleted Dark Surface (F7)		Other (Expla	in in Remarks)	
	rk Surface (A12)		Redox Depressions (F8)				
	lucky Mineral (S1) (L	.RR N,	Iron-Manganese Masses (F	12) (LRR N,			
	147, 148) leyed Matrix (S4)		MLRA 136) Umbric Surface (F13) (MLR	Δ 136 122)	³ Indicators of h	vdrophytic vege	tation and
	edox (S5)		Piedmont Floodplain Soils (I			logy must be pr	
	Matrix (S6)		Red Parent Material (F21) (I		·	ed or problema	
Restrictive I	.ayer (if observed):						
Туре:			_				
Depth (inc	ches):		_	Hydr	ic Soil Present?	Yes	No 🔽
temarks:				1			

Project/Site: Kensington	City/Count	y: Columbiana	Sampling Date: 03/30/21			
Applicant/Owner: Kensington PV I, LLC		State: OH				
	Section, T	ownship. Range: N/A				
Landform (hillslope, terrace, etc.): Hillslope						
Subregion (LRR or MLRA): LRRN			379169 Datum: NAD 83			
Soil Map Unit Name: GoC: Gilpin-Coshocton		-				
•						
Are climatic / hydrologic conditions on the site typic			_			
Are Vegetation, Soil, or Hydrology _						
Are Vegetation, Soil, or Hydrology _	naturally problematic?	(If needed, ex	plain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach site	map showing sampli	ng point location	ns, transects, important features, etc.			
Hydrophytic Vegetation Present? Yes	vdrophytic Vegetation Present? Yes No Is the Sampled Are					
Hydric Soil Present? Yes	/ No 131	he Sampled Area	Yes 🗸 No			
Wetland Hydrology Present? Yes	No	hin a Wetland?	1es NO			
Remarks: Cowardin Code: PEM Connects to an off-site stream.	HGM: Slope	Water Type: A	4WETABUT			
HYDROLOGY						
Wetland Hydrology Indicators:		<u> </u>	Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is required; cl	neck all that apply)		Surface Soil Cracks (B6)			
Surface Water (A1)	True Aquatic Plants (B14)	_	Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	Hydrogen Sulfide Odor (C		Drainage Patterns (B10)			
	Oxidized Rhizospheres or	Living Roots (C3)	Moss Trim Lines (B16)			
\	Presence of Reduced Iron	` '	Dry-Season Water Table (C2)			
	Recent Iron Reduction in	Tilled Soils (C6)	Crayfish Burrows (C8)			
Drift Deposits (B3)	Thin Muck Surface (C7)	_	Saturation Visible on Aerial Imagery (C9)			
	Other (Explain in Remarks	_	Stunted or Stressed Plants (D1)			
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		_	Geomorphic Position (D2)			
Water-Stained Leaves (B9)		_	Shallow Aquitard (D3) Microtopographic Relief (D4)			
Aquatic Fauna (B13)		-	FAC-Neutral Test (D5)			
Field Observations:		_				
	Depth (inches):					
	Depth (inches):	_				
	Depth (inches): 5	Wetland Hy	drology Present? Yes No			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring	ng well, aerial photos, previous	s inspections), if availa	able:			
Remarks:						

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

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: W-KM05
- 0 (5) 30'	Absolute	Dominant		Dominance Test worksheet:
		Species?	Status	Number of Dominant Species That Are ORL FACW or FAC: 3
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant Species Across All Strata: 3 (B)
3				Species Across All Strata:3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100% (A/B)
6		-		Prevalence Index worksheet:
7	0 :			Total % Cover of: Multiply by:
50% of total cover:0		= Total Cover	_	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')	20 /6 01	iolai covei.		FACW species x 2 =
				FAC species x 3 =
·				FACU species x 4 =
2				UPL species x 5 =
3				Column Totals: (A) (B)
4				(-)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 0		= Total Cove	_	4 - Morphological Adaptations ¹ (Provide supporting
<u></u>	20% 01	total cover.		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5') 1 Onoclea sensibilis	10		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Impatiens capensis	5		FACW	
3. Poa trivialis	35		FACW	¹ Indicators of hydric soil and wetland hydrology must
4. Persicaria sagittata	20		OBL	be present, unless disturbed or problematic.
	15			Definitions of Four Vegetation Strata:
5. Solidago gigantea	20		FACU OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Leersia oryzoides	<u></u> 5		FACW	more in diameter at breast height (DBH), regardless of
7. Carex vulpinoidea			FACW	height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>55</u>	20% of	total cover:	22	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cove	^	Present? Yes V No
50% of total cover: 0	20% of	total cover:	0	
Remarks: (Include photo numbers here or on a separate sh	neet.)			

Profile Desc	ription: (Describe to	o the dept	h needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	c Features	3			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 4/2	90	7.5YR 4/6	10	С	M/PL	SIL	
6-14	10YR 5/1	75	7.5YR 4/6	25	С	M/PL	SIL	
					-			-
					-			
¹ Type: C=Ce	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS	=Masked	Sand Gr	ains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil		•						ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Bel		ce (S8) (N	/ILRA 147,		coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	rface (S9)	(MLRA	147, 148)		(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye		F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat					(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S	•	,			ery Shallow Dark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dar				0	other (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depre			LDDN		
	lucky Mineral (S1) (L l \ 147, 148)	KK N,	Iron-Mangane MLRA 136		es (F12) (LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa	•	MIRA 13	86 122)	3Ind	icators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent M					less disturbed or problematic.
	Layer (if observed):				, (,	1	, , , , , , , , , , , , , , , , , , ,
Type:	,							
	ches):		<u></u>				Hydric Soil	Present? Yes V No No
Remarks:							1	
rtomanto.								
İ								
1								
1								

Photograph Page

Wetland ID W-KM05

Cowardin Code PEM Date 03/30/21



Photograph Number <u>585</u> Photograph Direction North

Comments:



Photograph Number <u>586</u> Photograph Direction $\underline{\mathsf{SSW}}$

Comments:



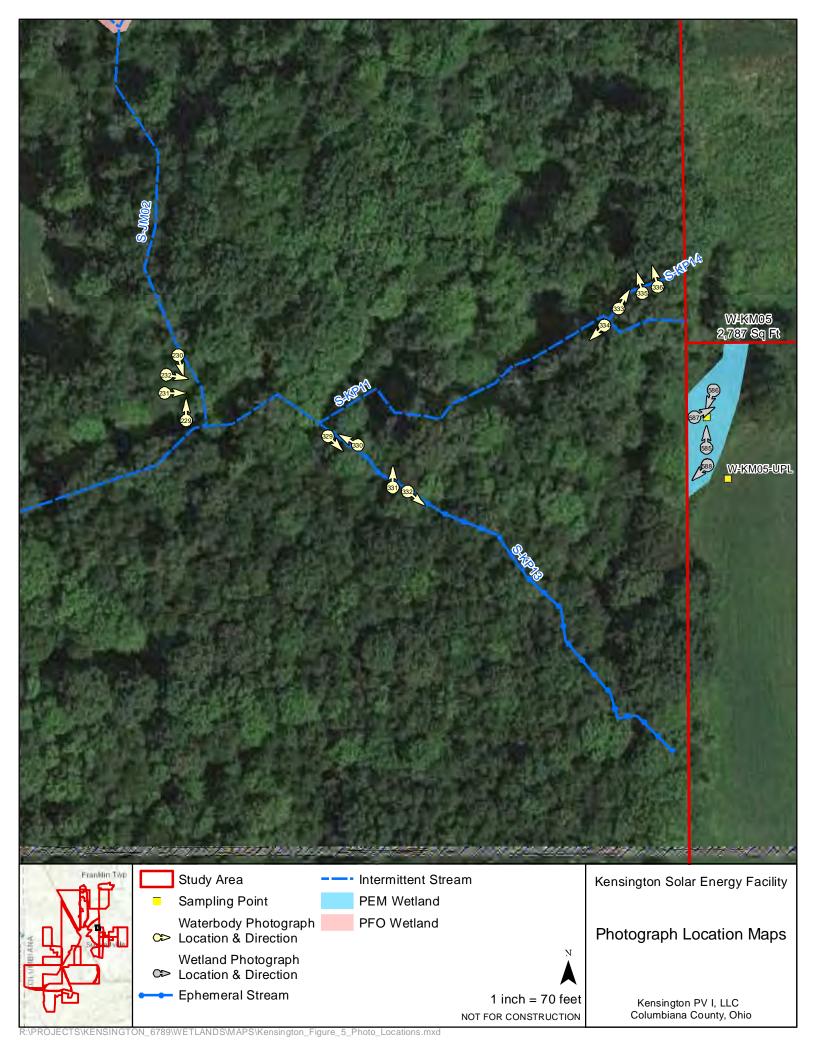
Photograph Number <u>587</u>

Photograph Direction ENE

Comments:



Photograph Number ___588 Photograph Direction <u>SW</u>



Project/Site: Kensington	City/Co	_{unty:} Columbiana	Sampling	Date: 03/30/21	
Applicant/Owner: Kensington PV I, LLC	,	State: OH			
	Section	. Township, Range: N/A	<u></u>		
Landform (hillslope, terrace, etc.): Hillslope		·	e): Convex	Slope (%): 3-5%	
Subregion (LRR or MLRA): LRRN			8791180		
Soil Map Unit Name: GoC: Gilpin-Coshocton					
Are climatic / hydrologic conditions on the site typical	al for this time of year? Yes	s No (I	f no, explain in Remarks.)		
Are Vegetation, Soil, or Hydrology _	significantly disturbe	ed? Are "Normal	Circumstances" present? \	res	
Are Vegetation, Soil, or Hydrology _					
SUMMARY OF FINDINGS – Attach site					
Hydrophytic Vegetation Present? Yes	No				
	No 🗸	s the Sampled Area		V	
	No	within a Wetland?	Yes No		
Remarks: Cowardin Code: UPLAND		Water Type:			
		,,			
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (minim	num of two required)	
Primary Indicators (minimum of one is required; ch	neck all that apply)		Surface Soil Cracks (B6	5)	
Surface Water (A1)	True Aquatic Plants (B		Sparsely Vegetated Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Odor		Drainage Patterns (B10)		
	Oxidized Rhizospheres		Moss Trim Lines (B16)	,	
Water Marks (B1)	Presence of Reduced I	ron (C4)	Dry-Season Water Tabl	le (C2)	
Sediment Deposits (B2)	Recent Iron Reduction	in Tilled Soils (C6)	Crayfish Burrows (C8)		
Drift Deposits (B3)	Thin Muck Surface (C7		Saturation Visible on A	erial Imagery (C9)	
Algal Mat or Crust (B4)	Other (Explain in Rema	arks)	Stunted or Stressed Pla	ants (D1)	
Iron Deposits (B5)			Geomorphic Position (D	02)	
Inundation Visible on Aerial Imagery (B7)			Shallow Aquitard (D3)		
Water-Stained Leaves (B9)			Microtopographic Relief	f (D4)	
Aquatic Fauna (B13)			FAC-Neutral Test (D5)		
Field Observations:	/ 5 4 6 1 3				
	Depth (inches):				
	Depth (inches):			1	
Saturation Present? Yes No (includes capillary fringe)	Depth (inches):	Wetland Hy	ydrology Present? Yes _	No	
Describe Recorded Data (stream gauge, monitoring	ng well, aerial photos, previ	ous inspections), if avail	lable:		
Remarks:					
Remarks.					

VEGETATION (Four Strata) - Use scientific names of plants.

____)

50% of total cover: ___0

30'

Tree Stratum (Plot size: __

3. Plantago lanceolata

Woody Vine Stratum (Plot size: 15'

5. Symphyotrichum pilosum

2. Trifolium repens

4. Plantago major

6. Daucus carota

7. Dactylis glomerata

Sapling/Shrub Stratum (Plot size: 15'

Absolute Dominant Indicator

% Cover Species? Status

= Total Cover

0 _ = Total Cover

100 = Total Cover

0 = Total Cover

10

10

5

5

50% of total cover: 50 20% of total cover: 20

50% of total cover: ____0 ___ 20% of total cover:____

5

20% of total cover:_ 0

FACU

FACU

FACU

FACU

FAC

UPL

FACU

50% of total cover: 0 20% of total cover: 0

Sampling Poi	nt: <u>W-KM05-</u>	UPL
Dominance Test worksheet:		
Number of Dominant Species That Are OBL, FACW, or FAC:	0	(A)
Total Number of Dominant Species Across All Strata:	2	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	0%	(A/B)
Prevalence Index worksheet:	_	
Total % Cover of:	Multiply by:	
OBL species x		
FACW species x 2		_
	3 =	_
FACU species x 4		_
UPL species x 5		
Column Totals: (A))	(B)
、		_ (/
Prevalence Index = B/A =		-
Hydrophytic Vegetation Indicat		
1 - Rapid Test for Hydrophyt	ic Vegetation	
2 - Dominance Test is >50%		
3 - Prevalence Index is ≤3.0 ¹		
4 - Morphological Adaptation	s ¹ (Provide sup	porting
data in Remarks or on a s	• /	
Problematic Hydrophytic Vec	getation ¹ (Explai	n)
¹ Indicators of hydric soil and wetle be present, unless disturbed or p	and hydrology n roblematic.	nust
Definitions of Four Vegetation	Strata:	
Tree – Woody plants, excluding wore in diameter at breast height height.		
Sapling/Shrub – Woody plants, than 3 in. DBH and greater than (m) tall.	excluding vines, or equal to 3.28	less ft (1
Herb – All herbaceous (non-wood of size, and woody plants less that		rdless
Woody vine – All woody vines grant height.	reater than 3.28	ft in
Hydrophytic Vegetation Present? Yes	No <u> </u>	

Remarks:	(Include	photo	numbers	here	or or	a se	eparate	sheet.)	ì
----------	----------	-------	---------	------	-------	------	---------	---------	---

/' L	Matrix		Redox Features	<u> </u>		D- '	
inches)	Color (moist)	<u>%</u>	Color (moist) % Type ¹	Loc ² Text		Remarks	
0-5	10YR 5/4	100		SI	<u> </u>		
5-17	10YR 5/6	100		SIG	<u></u>		
	-						
							
ype: C=Co	oncentration, D=Depl	etion, RM=Re	educed Matrix, MS=Masked Sand Gra	ins. ² Locati	on: PL=Pore Lin	ing, M=Matrix.	
	ndicators:				Indicators for P	roblematic Hydric	Soils ³ :
_ Histosol	(A1)		Dark Surface (S7)		2 cm Muck ((A10) (MLRA 147)	
_ Histic Ep	pipedon (A2)		Polyvalue Below Surface (S8) (M	LRA 147, 148)	Coast Prairie	e Redox (A16)	
_ Black Hi	stic (A3)		Thin Dark Surface (S9) (MLRA 14	17, 148)	(MLRA 14	47, 148)	
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)			oodplain Soils (F19)
	l Layers (A5)		Depleted Matrix (F3)		(MLRA 1		
	ck (A10) (LRR N)		Redox Dark Surface (F6)			w Dark Surface (TF	12)
_	Below Dark Surface	e (A11)	Depleted Dark Surface (F7)		Other (Expla	ain in Remarks)	
	ark Surface (A12)	DD N	Redox Depressions (F8)	DD N			
	lucky Mineral (S1) (L	.RR N,	Iron-Manganese Masses (F12) (L	RR N,			
	147, 148) Eleyed Matrix (S4)		MLRA 136) Umbric Surface (F13) (MLRA 136	: 122\	3Indicators of h	ydrophytic vegetati	on and
	edox (S5)		Piedmont Floodplain Soils (F19) (ology must be prese	
-	Matrix (S6)		Red Parent Material (F21) (MLRA			ped or problematic.	111,
	_ayer (if observed):				uooo u.otu.k	ou or propromation	
	, ,						
Type:						Yes No	· ·
Type:	shes).			Hvdri	c Soil Present?		<i></i>
Depth (inc	ches):		_	Hydri	c Soil Present?		
Depth (inc	ches):		_	Hydri	c Soil Present?		
Depth (inc	ches):		.	Hydri	c Soil Present?		
Depth (inc	ches):		_	Hydri	c Soil Present?		
Depth (inc	ches):		-	Hydri	c Soil Present?		
Depth (inc	ches):		_	Hydri	c Soil Present?		
Depth (inc	ches):		<u>-</u>	Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (inc	ches):		_	Hydri	c Soil Present?		
Depth (inc	ches):		_	Hydri	c Soil Present?		
Depth (inc	ches):		_	Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (ind	ches):			Hydri	c Soil Present?		
Depth (ind	ches):			Hydri	c Soil Present?		
	ches):			Hydri	c Soil Present?		
Depth (ind	ches):			Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		
Depth (inc	ches):			Hydri	c Soil Present?		

Project/Site: Kensington	City/Co	_{unty:} Columbiana	Sampling Date: 03/31/21
Applicant/Owner: Kensington PV I, LLC	,	State: OH	
	Section		
			e): Concave Slope (%): 0%
Subregion (LRR or MLRA): LRRN		Long: -80.8	
Soil Map Unit Name: BkD: Berks channery sil			
Are climatic / hydrologic conditions on the site typical			
	-		
Are Vegetation, Soil, or Hydrology _			
Are Vegetation, Soil, or Hydrology _			xplain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing samp	oling point location	ns, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	/ No	Is the Sampled Area	
Hydric Soil Present? Yes		within a Wetland?	Yes V No
Wetland Hydrology Present? Yes	No		· · · · · · · · · · · · · · · · · · ·
Remarks: Cowardin Code: PEM	HGM: Riverine	Water Type: A	A4WETABUT
		• •	
HYDROLOGY			
Wetland Hydrology Indicators:		•	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; ch			Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B		Sparsely Vegetated Concave Surface (B8)
1 4	Hydrogen Sulfide Odor		Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)	Oxidized RhizospheresPresence of Reduced I		Moss Trim Lines (B16) Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction		✓ Crayfish Burrows (C8)
Sediment Deposits (B2) Drift Deposits (B3)	Thin Muck Surface (C7		Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Rema		Stunted or Stressed Plants (D1)
Iron Deposits (B5)			Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		•	Shallow Aquitard (D3)
Water-Stained Leaves (B9)		•	Microtopographic Relief (D4)
Aquatic Fauna (B13)		•	FAC-Neutral Test (D5)
Field Observations:			
Surface Water Present? Yes No	Depth (inches):		
	Depth (inches):3	3	
	Depth (inches):0	Wetland H	ydrology Present? Yes 🟏 No
(includes capillary fringe)		:: i: if:	labla
Describe Recorded Data (stream gauge, monitoring	ig weii, aeriai priotos, previ	ious inspections), ii avaii	able.
Remarks:			

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

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: W-KM06
20'	Absolute			Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: 30')		Species?		Number of Dominant Species That Are ORL FACW or FAC: 3 (A)
1				That Are OBL, FACW, or FAC:3 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4			·	Percent of Dominant Species
5			·	That Are OBL, FACW, or FAC: 100% (A/B)
6			·	Prevalence Index worksheet:
7			·	Total % Cover of: Multiply by:
500/ - (1-1-1		= Total Cov		OBL species x 1 =
50% of total cover: 0	20% of	total cover	:0	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 15')				FAC species x 3 =
1				FACU species x 4 =
2				UPL species x 5 =
3		-	·	Column Totals: (A) (B)
4				(A)(D)
5				Prevalence Index = B/A =
6			· ——	Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8			·	✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
2		= Total Cov	_	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 0	20% of	total cover:	:0	data in Remarks or on a separate sheet)
ricib diatam (Flot Size)	00		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Symplocarpus foetifus	30			
2. Poa trivialis	30		FACW	¹ Indicators of hydric soil and wetland hydrology must
3. Impatiens capensis	25		FACW_	be present, unless disturbed or problematic.
4. Leersia oryzoides			OBL	Definitions of Four Vegetation Strata:
5. Rumex crispus	5		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Alliaria petiolata	5		FACU	more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover:50	20% of	total cover:	20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cov	_	Present? Yes No No
50% of total cover:0	20% of	total cover:	:0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

Depth	cription: (Describe to Matrix			x Features				
(inches)	Color (moist)	%	Color (moist)	%Typ		<u>Texture</u>	Remark	(S
0-2	10YR 3/2	95	2.5YR 4/6	5C	M/PL	SIL		
2-14	10YR 5/1	<u>85</u>	7.5YR 4/6	<u>15</u> C	<u>M</u>	SICL		
		· 						
		lactor DM	Deduced Matrice M		1.0	21 1	Daniel Calani M. Mate	
	oncentration, D=Deplementations:	letion, RM=	Reduced Matrix, Ms	S=Masked Sand	Grains.		Pore Lining, M=Matrors for Problematic	
_ Histosol			Dark Surface	(97)			n Muck (A10) (MLR	-
	pipedon (A2)		Dark Surface	low Surface (S	R) (MI R A 147		ist Prairie Redox (A1	•
_ Hlack Hi	. , ,			irface (S9) (ML I		· —	MLRA 147, 148)	10)
	en Sulfide (A4)			ed Matrix (F2)	,,		dmont Floodplain So	ils (F19)
	d Layers (A5)		Depleted Ma				MLRA 136, 147)	,
	ıck (A10) (LRR N)		Redox Dark	Surface (F6)		Ver	y Shallow Dark Surfa	ace (TF12)
	d Below Dark Surface	e (A11)		rk Surface (F7)		Oth	er (Explain in Remai	rks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (L	.RR N,		ese Masses (F	2) (LRR N,			
	A 147, 148) Gleyed Matrix (S4)		MLRA 13	o) ice (F13) (MLR /	۸ 136 122۱	³ Indics	ators of hydrophytic v	vegetation and
	Redox (S5)			odplain Soils (F			and hydrology must b	
-	Matrix (S6)			латегіаІ (F21) (Г			s disturbed or proble	
	Layer (if observed):			, ,		1		
Type:								
Depth (in	ches):					Hydric Soil P	resent? Yes 🛂	, No
emarks:						1		

Wetland ID W-KM06

Cowardin Code PEM Date 03/31/21



Photograph Number <u>589</u> Photograph Direction SE

Comments:



Photograph Number <u>590</u> Photograph Direction NNE

Comments:

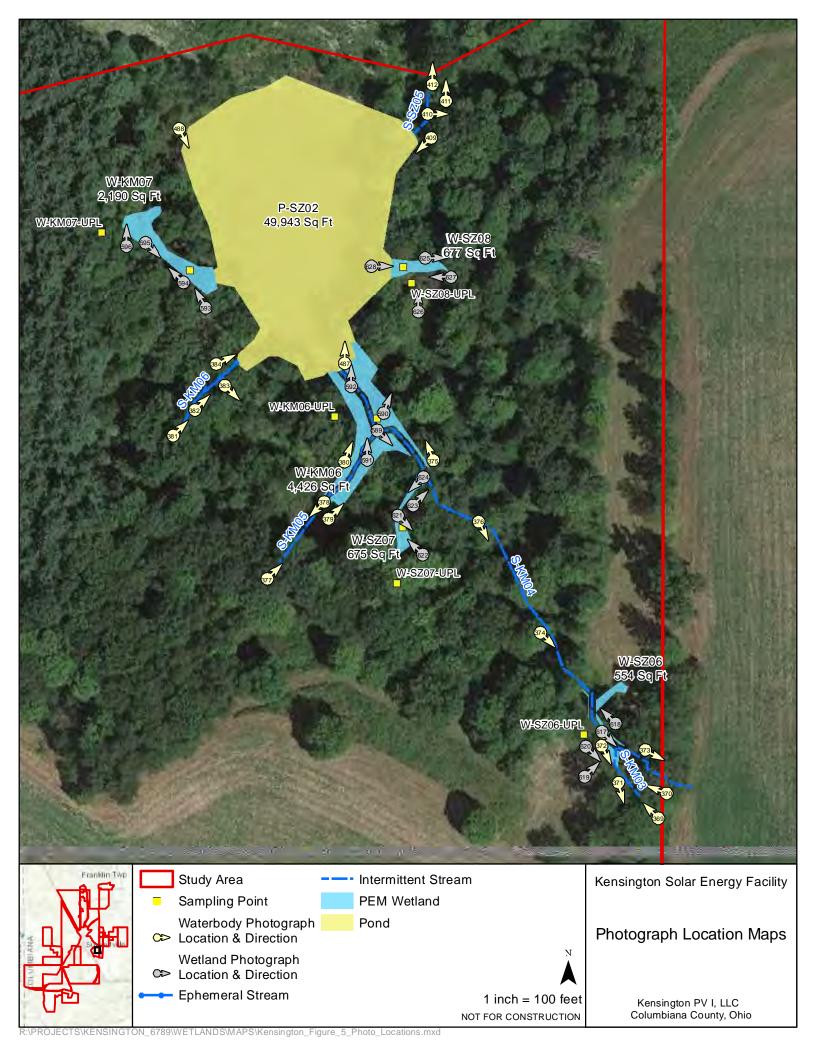


Photograph Number 591 Photograph Direction North

Comments:



Photograph Number ___592 Photograph Direction North



Project/Site: Kensington	City/County: C	olumbiana	Sampling Date: 03/30/21
Applicant/Owner: Kensington PV I, LLC		State: OH	
	Section, Towns		
Landform (hillslope, terrace, etc.): Hillslope			
Subregion (LRR or MLRA): LRRN			8059 Datum: NAD 83
Soil Map Unit Name: BkD: Berks channery s	silt loam, 15 to 25 percent slo	pes	NWI classification: N/A
Are climatic / hydrologic conditions on the site typi	cal for this time of year? Yes	No (If	no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal C	ircumstances" present? Yes No
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS – Attach sit			
Hudrophytic Vegetation Present?	No. 🗸		
	No V	Sampled Area	
	No within a	a Wetland?	Yes No
Remarks: Cowardin Code: UPLAND		Nater Type:	
Contained Code of Extra		rate. Type.	
HYDROLOGY			
Wetland Hydrology Indicators:		S	econdary Indicators (minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)	·	_ Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14)		_ Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	· 	_ Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizospheres on Livi	ing Roots (C3)	(5.45)
Water Marks (B1)	Presence of Reduced Iron (C4	-	Dry-Season Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in Tilled	_	_ Crayfish Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7)	_	_ Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	_	_ Stunted or Stressed Plants (D1)
Iron Deposits (B5)		_	_ Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		_	_ Shallow Aquitard (D3)
Water-Stained Leaves (B9)		_	Microtopographic Relief (D4)
Aquatic Fauna (B13)		_	_ FAC-Neutral Test (D5)
Field Observations:			
	Depth (inches):		
	Depth (inches):		
Saturation Present? Yes No _ (includes capillary fringe)	Depth (inches):	Wetland Hyd	drology Present? Yes No
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous insp	pections), if availa	ble:
Description			
Remarks:			

Sampling	Point:	W-KM06-	JPL
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Troo Stratum (Plot size: 30'	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tiee Stratum (Fiot Size)		Species?		Number of Dominant Species
1. Carya ovata	40		F <u>ACU</u>	That Are OBL, FACW, or FAC:0 (A)
2. Juglan nigra	10		F <u>ACU</u>	Total Number of Dominant
3. Fraxinus americana	10	✓	F <u>ACU</u>	Species Across All Strata: 7 (B)
4.				
5				Percent of Dominant Species That Are OBL_FACW_or_FAC: 0% (A/B)
				That Are OBL, FACW, or FAC:(A/B)
6				Prevalence Index worksheet:
7	60			Total % Cover of: Multiply by:
50% -(4-1-1		= Total Cov		OBL species x 1 =
50% of total cover: 30	20% of	total cover	12	FACW species x 2 =
Sapinig/Sitrub Stratum (Flot Size)	45		540 11	
1. Lonicera tatarica	15		F <u>ACU</u>	FAC species x 3 =
2. Ligustrum vulgare	25		F <u>ACU</u>	FACU species x 4 =
3. Rosa multiflora	25		F <u>ACU</u>	UPL species x 5 =
4. Rubus allegheniensis	10		F <u>ACU</u>	Column Totals: (A) (B)
5. Lindera bezoin	5		FACU	
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
40		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 40	20% of	total cover:	16	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')				Problematic Hydrophytic Vegetation¹ (Explain)
_{1.} Poa sp.	10		ND	Problematic Hydrophytic Vegetation (Explain)
2. Geum canadense	10	~	FACU	4
3. Alliaria petiolata	10	~	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4.				
5				Definitions of Four Vegetation Strata:
		-		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7		-		height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	30 _	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 15	20% of	total cover:	6	Was basins Allows the large was too the a 0.00 ft.
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in height.
1				noight.
2.				
		-		
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	_	Present? Yes No
50% of total cover: 0	20% of	total cover	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

		to the depth	needed to document the indicator or co	onfirm the ab	sence of indicate	ors.)	
Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist) % Type ¹ Lo	oc² Text	ure	Remarks	
0-5	10YR 5/4	100		S	IL .		
5-17	10YR 5/6	100		SIG			
<u>J-17</u>	101113/0	100			<u> </u>		
¹ Type: C=C	oncentration, D=Depl	etion, RM=Re	educed Matrix, MS=Masked Sand Grains.	² Locati	ion: PL=Pore Lin	ing, M=Matrix	. .
Hydric Soil	Indicators:				Indicators for P		
Histosol	(A1)		Dark Surface (S7)		2 cm Muck ((A10) (MLRA	147)
	oipedon (A2)		Polyvalue Below Surface (S8) (MLRA			e Redox (A16)
Black Hi			Thin Dark Surface (S9) (MLRA 147, 1	48)	(MLRA 14		
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)			oodplain Soils	s (F19)
	d Layers (A5) uck (A10) (LRR N)		Depleted Matrix (F3)		(MLRA 13		o (TE12)
	d Below Dark Surface	Δ (Δ11)	Redox Dark Surface (F6)Depleted Dark Surface (F7)			w Dark Surfac ain in Remark	
	ark Surface (A12)	, (, (, 1, 1)	Redox Depressions (F8)		Other (Explo	an in recinant	3)
	lucky Mineral (S1) (L	RR N,	Iron-Manganese Masses (F12) (LRR	N,			
	A 147, 148)		MLRA 136)				
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 12		³ Indicators of h		-
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLF		wetland hydro		
	Matrix (S6)		Red Parent Material (F21) (MLRA 12)	7, 147)	unless disturb	ed or problen	natic.
	Layer (if observed):						
Type:			_				
	ches):			Hydri	ic Soil Present?	Yes	_ No
Remarks:							

Project/Site: Kensington	City/County: Columbiana	Sampling Date: 03/31/21
Applicant/Owner: Kensington PV I, LLC	State: OH	
	Section, Township, Range: N	//A
		one): Concave Slope (%): 3-5%
Subregion (LRR or MLRA): LRRN	Lat. 40.678445	0.881123 Datum: NAD 83
Soil Map Unit Name: BkD: Berks channery s	ilt loam, 15 to 25 percent slopes	
Are climatic / hydrologic conditions on the site typic		
		_
		al Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology		explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach sit	e map showing sampling point location	ons, transects, important features, etc.
Hydrophytic Vegetation Present? Yes	No Is the Sampled Area	
Hydric Soil Present? Yes	No within a Wetland?	Yes V No
Wetland Hydrology Present? Yes	No	
Remarks: Cowardin Code: PEM	HGM: Slope Water Type:	A4WETABUT
	,	
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; of		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3) Water Marks (B1)	Oxidized Rhizospheres on Living Roots (C3)Presence of Reduced Iron (C4)	Moss Trim Lines (B16) Dry-Season Water Table (C2)
Valer Marks (B1) Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)
Occurrent Deposits (B2)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Stunted or Stressed Plants (D1)
Iron Deposits (B5)		Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)
Water-Stained Leaves (B9)		Microtopographic Relief (D4)
Aquatic Fauna (B13)		FAC-Neutral Test (D5)
Field Observations:		
	Depth (inches):	
Water Table Present? Yes No	Depth (inches):3	
	Depth (inches): 0 Wetland	Hydrology Present? Yes No
(includes capillary fringe)	ing well, aerial photos, previous inspections), if av	ailahle:
Describe Recorded Bata (Stream gauge, monitor	ing wen, aenai photos, previous inspections), ii ave	allabic.
Remarks:		

VE

001	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30')		Species?		Number of Dominant Species
•	- ·			That Are OBL, FACW, or FAC:3 (A)
	_ (Total Number of Dominant
				Species Across All Strata: 3 (B)
	-, · <u>-</u>			Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B
				That Ale OBL, FACW, OF FAC (A/B
·				Prevalence Index worksheet:
•	0	= Total Co		Total % Cover of: Multiply by:
50% of total cover: 0			_	OBL species x 1 =
apling/Shrub Stratum (Plot size: 15')	2070 01	total oovel		FACW species x 2 =
				FAC species x 3 =
· <u> </u>				FACU species x 4 =
				UPL species x 5 =
				' <u> </u>
•				Column Totals: (A) (B)
·				Prevalence Index = B/A =
		-		Hydrophytic Vegetation Indicators:
				✓ 1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
<u> </u>				3 - Prevalence Index is ≤3.0¹
	0	= Total Co	ver	4 - Morphological Adaptations ¹ (Provide supportin
50% of total cover:0	20% of	total cover	: <u> </u>	
lerb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
Symplocarpus foetidus	30		OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
Poa trivialis	30		FACW	1
Impatiens capensis	25		FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Leersia oryzoides	5		OBL	Definitions of Four Vegetation Strata:
Rumex crispus	5		FAC	Definitions of Four Vegetation Strata.
Alliaria petiolata	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
·	-			more in diameter at breast height (DBH), regardless of height.
•		-		noight.
•				Sapling/Shrub – Woody plants, excluding vines, less
	-	-		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
0				,
1	100			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 50		= Total Cor total cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 15')	20% 01	total cover		Woody vine – All woody vines greater than 3.28 ft in
voody viile Stratum (Flot Size.				height.
		-		
l				Hydrophytic
i				Vegetation
		= Total Co		Present? Yes V No No
50% of total cover:0	20% of	total cover	:0	
Remarks: (Include photo numbers here or on a separate	sheet.)			•

Profile Desc	ription: (Describe t	o the dept	h needed to docun	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	K Features	3			
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	Texture	Remarks
0-2	10YR 3/2	95	2.5YR 4/6	5	С	M/PL	SIL	
2-14	10YR 5/1	85	7.5YR 4/6	15	С	M	SICL	
						· ——		
					-			
								
						· ——		
	- <u></u> -							
¹ Type: C=Co	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfac	ce (S8) (N	/ILRA 147,	148) C	coast Prairie Redox (A16)
Black Hi			Thin Dark Su			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		F2)		P	liedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat					(MLRA 136, 147)
	ick (A10) (LRR N)	(444)	Redox Dark S	•	,			(ery Shallow Dark Surface (TF12)
	d Below Dark Surface ark Surface (A12)	(A11)	Depleted Dar Redox Depre					Other (Explain in Remarks)
	fucky Mineral (S1) (L l	RR N	Iron-Mangane			I RR N		
	147, 148)	,	MLRA 136		33 (1 12) (LICIT IV,		
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	86, 122)	³ Ind	icators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent M					less disturbed or problematic.
Restrictive I	_ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								

Wetland ID W-KM07

Cowardin Code PEM Date 03/31/21



Photograph Number <u>593</u> Photograph Direction NNW

Comments:



Photograph Number <u>594</u> Photograph Direction $\underline{^{NW}}$

Comments:



Photograph Number 595 Photograph Direction SE

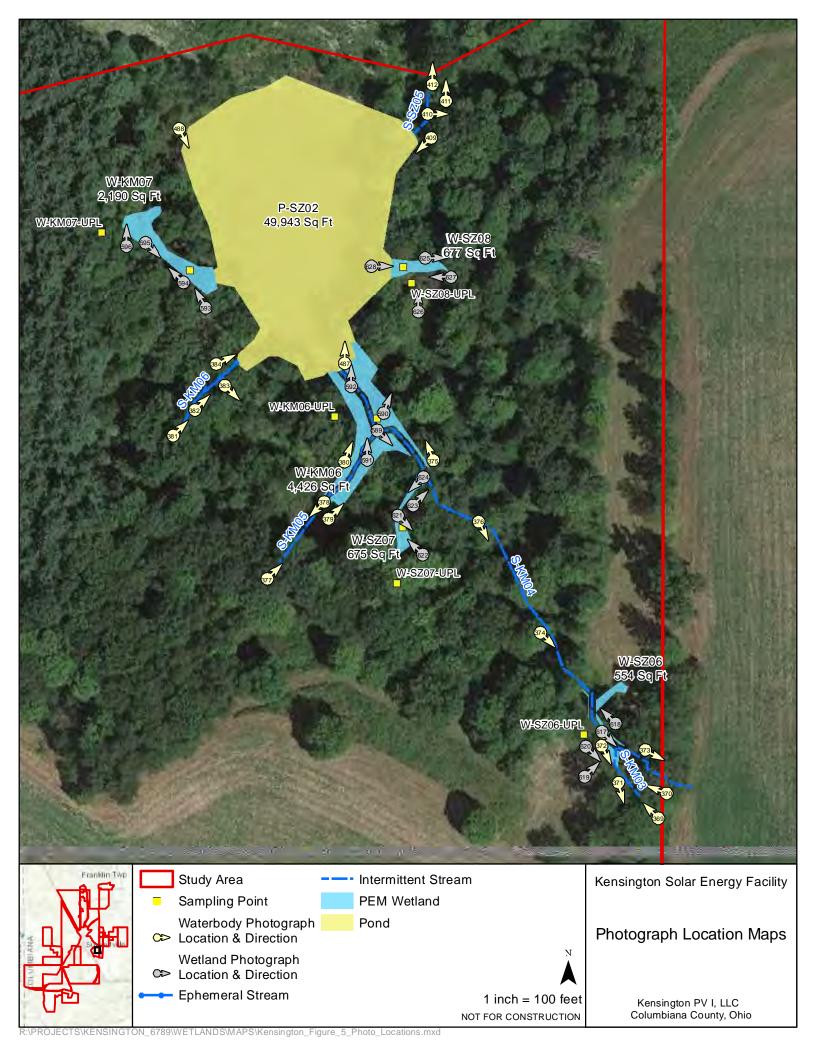
Comments:



Photograph Number ___596

Photograph Direction North

Comments:



Project/Site: Kensington	City/Count	_{y:} Columbiana	Sampling Date: 03/30/21
Applicant/Owner: Kensington PV I, LLC		State: OH	
	Section, T	ownship, Range: N/A	- , , , , , , , , , , , , , , , , , , ,
Landform (hillslope, terrace, etc.): Hillslope): Convex Slope (%): 3-5%
Subregion (LRR or MLRA): LRRN		Long: -80.8	81452 Datum: NAD 83
Soil Map Unit Name: BkD: Berks channery	silt loam, 15 to 25 percen	t slopes	NWI classification: N/A
Are climatic / hydrologic conditions on the site typi	cal for this time of year? Yes _	✓ No (If	no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal C	Sircumstances" present? Yes No
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS – Attach si			
Hydrophytic Vegetation Present? Yes	No V		
	No 🗸	he Sampled Area hin a Wetland?	Yes No
	No V	iiii a wetialiu:	162 NO
Remarks: Cowardin Code: UPLAND	HGM:	Water Type:	
Cowarani Code. Of EAND	TTOWN.	vidioi Typo.	
HYDROLOGY			
Wetland Hydrology Indicators:		<u>S</u>	secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B14)	<u>_</u>	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C		Drainage Patterns (B10)
Saturation (A3)	Oxidized Rhizospheres or	Living Roots (C3)	Moss Trim Lines (B16)
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 Burrows (C8)
Drift Deposits (B3)	Thin Muck Surface (C7)	<u>-</u>	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks	s) _	Stunted or Stressed Plants (D1)
Iron Deposits (B5)		_	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)		_	Shallow Aquitard (D3)
Water-Stained Leaves (B9)		<u>-</u>	Microtopographic Relief (D4)
Aquatic Fauna (B13)		_	FAC-Neutral Test (D5)
Field Observations:			
	Depth (inches):		
Water Table Present? Yes No _	Depth (inches):	_	
	✓ Depth (inches):	Wetland Hy	drology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	ring well, aerial photos, previous	 s inspections). if availa	able:
33.,	3 - ,	-, -, -, -, -, -, -, -, -, -, -, -, -, -	
Remarks:			

Sampling Point: W-KM07-UPL

Tree Stratum (Plot size: 30'	Absolute	Dominant		Dominance Test worksheet:	
Tiec Stratum (Fiet Size:)		Species?		Number of Dominant Species	0
1. Carya ovata	40		FACU	That Are OBL, FACW, or FAC:	0 (A)
2. Juglan nigra	10		F <u>ACU</u>	Total Number of Dominant	
3. Fraxinus americana	10		F <u>ACU</u>	Species Across All Strata:	7 (B)
4				Percent of Dominant Species	
5				That Are OBL, FACW, or FAC:	0% (A/B)
6					
7				Prevalence Index worksheet:	
	60	= Total Cov	er		lultiply by:
50% of total cover:30	20% of	total cover	12	OBL species x 1 =	
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =	
1. Lonicera tatarica	15		FACU	FAC species x 3 =	
2. Ligustrum vulgare	25	~	FACU	FACU species x 4 =	
3. Rosa multiflora	25		FACU	UPL species x 5 =	
4. Rubus allegheniensis	10	-	FACU	Column Totals: (A)	
5. Lindera bezoin		-	FAC	(v.y	(-/
· · ·				Prevalence Index = B/A =	
6				Hydrophytic Vegetation Indicators	 8:
7			· ——	1 - Rapid Test for Hydrophytic V	
8				2 - Dominance Test is >50%	-9
9				3 - Prevalence Index is ≤3.0¹	
	80	= Total Cov	er	4 - Morphological Adaptations ¹	(Dravida aupporting
50% of total cover: 40	20% of	total cover	16		
Herb Stratum (Plot size: 5'				data in Remarks or on a sep	
1. Poa sp.	10		ND	Problematic Hydrophytic Vegeta	ation (Explain)
2. Geum canadense	10	/	FACU		
3. Alliaria petiolata	10	~	FACU	¹ Indicators of hydric soil and wetland	
4		-		be present, unless disturbed or prob	
-				Definitions of Four Vegetation Str	ata:
				Tree – Woody plants, excluding vine	es, 3 in. (7.6 cm) or
6				more in diameter at breast height (D	BH), regardless of
7				height.	
8				Sapling/Shrub - Woody plants, exc	luding vines, less
9				than 3 in. DBH and greater than or e	equal to 3.28 ft (1
10				m) tall.	
11				Herb – All herbaceous (non-woody)	plants, regardless
	30	= Total Cov	er	of size, and woody plants less than	
50% of total cover: 15	20% of	total cover	. 6	Woody vine – All woody vines great	tor than 2 29 ft in
Woody Vine Stratum (Plot size: 15')				height.	ter triair 5.20 it iii
1					
2					
3					
4					
_				Hydrophytic	
5	^	Tatal Car		Vegetation Present? Yes	No 🗸
50% of total cover: 0		Total Cover total cover	_		
·		total cover			
Remarks: (Include photo numbers here or on a separate s	neet.)				

		to the depth	needed to document the indicator or co	onfirm the ab	sence of indicate	ors.)	
Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist) % Type ¹ Lo	oc² Text	ure	Remarks	
0-5	10YR 5/4	100		S	IL .		
5-17	10YR 5/6	100		SIG			
<u>J-17</u>	101113/0	100			<u> </u>		
¹ Type: C=C	oncentration, D=Depl	etion, RM=Re	educed Matrix, MS=Masked Sand Grains.	² Locati	ion: PL=Pore Lin	ing, M=Matrix	. .
Hydric Soil	Indicators:				Indicators for P		
Histosol	(A1)		Dark Surface (S7)		2 cm Muck ((A10) (MLRA	147)
	oipedon (A2)		Polyvalue Below Surface (S8) (MLRA			e Redox (A16)
Black Hi			Thin Dark Surface (S9) (MLRA 147, 1	48)	(MLRA 14		
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)			oodplain Soils	s (F19)
	d Layers (A5) uck (A10) (LRR N)		Depleted Matrix (F3)		(MLRA 13		o (TE12)
	d Below Dark Surface	Δ (Δ11)	Redox Dark Surface (F6)Depleted Dark Surface (F7)			w Dark Surfac ain in Remark	
	ark Surface (A12)	, (, (, 1, 1)	Redox Depressions (F8)		Other (Explo	an in recinant	3)
	lucky Mineral (S1) (L	RR N,	Iron-Manganese Masses (F12) (LRR	N,			
	A 147, 148)		MLRA 136)				
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 12		³ Indicators of h		-
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLF		wetland hydro		
	Matrix (S6)		Red Parent Material (F21) (MLRA 12)	7, 147)	unless disturb	ed or problen	natic.
	Layer (if observed):						
Type:			_				
	ches):			Hydri	ic Soil Present?	Yes	_ No
Remarks:							

Project/Site: Kensington			City/	County: Colu	umbiana		Sampling Date: 0	3/01/21
Applicant/Owner: Kensingto	on PV I, LI	_C		St	ate: OH	Sampling Po		
Investigator(s): KMP JMM			Sect					
Landform (hillslope, terrace, et			Local re				Slon	e (%)· 2
Subregion (LRR or MLRA): <u>L</u>						866551		
Soil Map Unit Name: VnC: V								
Are climatic / hydrologic condi								
			-					🗸
Are Vegetation, Soil						Circumstances" pr		No
Are Vegetation, Soil	-					xplain any answers		_4
SUMMARY OF FINDIN	GS – Atta	ich site n	nap snowing sai	mpling poi	nt locatio	ns, transects,	important re	atures, etc.
Hydrophytic Vegetation Pres	ent?	Yes	No	Is the Sam	pled Area			
Hydric Soil Present?		Yes	No	within a W	-	Yes	No	
Wetland Hydrology Present?		Yes	No					
Remarks: Cowardin C	ode: PFO		HGM: Riverine	Wa	ter Type: A	A4WETABUT		
Wetter than usual condi downslope into wetland	tions due from adja	to recent cent upla	snow melt and rand rand areas.	ain event in	area. Surf	face water app	ears to be dra	ining
HYDROLOGY						0 1 1 1 1 1		
Wetland Hydrology Indicat			de all that analys			Secondary Indicat		wo required)
Primary Indicators (minimum V Surface Water (A1)	of one is red			(D14)		Surface Soil C Sparsely Vege	` '	Curfooo (DO)
High Water Table (A2)			True Aquatic Plants Hydrogen Sulfide O			✓ Drainage Patt		unace (Bo)
Saturation (A3)			Oxidized Rhizosphe			Moss Trim Lir		
Water Marks (B1)			Presence of Reduce	_	(/		Vater Table (C2)	
Sediment Deposits (B2)			Recent Iron Reducti	on in Tilled So	oils (C6)	Crayfish Burro	ows (C8)	
Drift Deposits (B3)			Thin Muck Surface (sible on Aerial Ima	
Algal Mat or Crust (B4)			Other (Explain in Re	emarks)			essed Plants (D1)
Iron Deposits (B5)	rial Images	(DZ)				Geomorphic F		
Inundation Visible on Ae Water-Stained Leaves (I		(B7)				Shallow Aquit	ard (D3) ohic Relief (D4)	
Aquatic Fauna (B13)	39)					FAC-Neutral		
Field Observations:					<u> </u>			
Surface Water Present?	Yes 🗸	No	_ Depth (inches):(0.25				
Water Table Present?			_ Depth (inches):	0				
Saturation Present?	Yes 🗸	No	_ Depth (inches):	0	Wetland H	ydrology Present	? Yes <u>/</u>	No
(includes capillary fringe) Describe Recorded Data (str	eam gauge,	monitoring	well, aerial photos, pr	evious inspec	L :tions), if avai	ilable:		
Demodes								
Remarks:								
Surface water presence inferred to be present ye	likely due	to recen	t snow melt and r	ain event f	rom previo	ous day. High w	ater table and	I saturation
intermittent stream dow	nslope.	basea on	the welland 5 ge	omorpino p	OSITION WIL		ape and conne	ouvity with

Sampling Point: W-K	$\langle P \rangle$	U3
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Trop Stratum (Blot size: 30'	Absolute	Dominant		Dominance Test worksheet:			
Tiee Stratum (Fiot Size.		Species?		Number of Dominant Species			
1. Ulmus rubra	35		FAC	That Are OBL, FACW, or FAC:4 (A)			
2. Acer rubrum	5		F <u>AC</u>	Total Number of Dominant			
3. Fagus grandifolia	5		F <u>ACU</u>	Species Across All Strata: 6 (B)			
4. Quercus bicolor	15		FACW	Description of Description			
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 67% (A/B)			
6				(42)			
7.		·		Prevalence Index worksheet:			
	60	= Total Cov	/er	Total % Cover of: Multiply by:			
50% of total cover:30				OBL species x 1 =			
Sapling/Shrub Stratum (Plot size: 15')	<u> </u>			FACW species x 2 =			
1. Ulmus rubra	15	/	FAC	FAC species x 3 =			
2. Acer rubrum	5		FAC	FACU species x 4 =			
3. Fagus grandifolia	5	-	FACU	UPL species x 5 =			
4 Rosa multifora	15		FACU	Column Totals: (A) (B)			
5 Rubus allegheniensis	10		FACU	Column Totals (7) (5)			
<u> </u>	5			Prevalence Index = B/A =			
6. Carpinus caroliniana			FAC	Hydrophytic Vegetation Indicators:			
7			<u> </u>	1 - Rapid Test for Hydrophytic Vegetation			
8			<u> </u>	✓ 2 - Dominance Test is >50%			
9				3 - Prevalence Index is ≤3.0 ¹			
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting			
50% of total cover: 27.5	20% of	total cover	<u>. 11 </u>				
Herb Stratum (Plot size: 5'				data in Remarks or on a separate sheet)			
1. Poa trivialis	30		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
2. Glechoma hederacea	20	/	FACU				
3. Rumex crispus	5		FAC	¹ Indicators of hydric soil and wetland hydrology must			
4 Geum canadense	5		FACU	be present, unless disturbed or problematic.			
5 Onoclea sensibilis	5	-	FACW	Definitions of Four Vegetation Strata:			
·				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or			
				more in diameter at breast height (DBH), regardless of			
7			· ——	height.			
8				Sapling/Shrub – Woody plants, excluding vines, less			
9				than 3 in. DBH and greater than or equal to 3.28 ft (1			
10				m) tall.			
11				Herb – All herbaceous (non-woody) plants, regardless			
20.7		= Total Cov	4.0	of size, and woody plants less than 3.28 ft tall.			
50% of total cover: <u>32.5</u>	20% of	total cover	<u>: 13 </u>	Woody vine – All woody vines greater than 3.28 ft in			
Woody Vine Stratum (Plot size: 15')				height.			
1							
2			<u> </u>				
3							
4				Uvdrankytia			
5.				Hydrophytic Vegetation			
	0	= Total Cov	/er	Present? Yes V No No			
50% of total cover: 0		total cover	_				
Remarks: (Include photo numbers here or on a separate s							
(,						

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth Matrix Redox Features											
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0-8	10YR 4/2	80	7.5YR 4/6	20	С	M/PL	GRSICI				
8-16	10YR 5/1	90	7.5YR 5/6	10	С	M/PL	CL				
0-10	10110 3/1		7.5110.0/0			1V1/1 L					
					-						
¹Type: C=Co	oncentration, D=Deple	etion RM-	Reduced Matrix MS	-Masked	Sand Gr	ains	² l ocation: P	L=Pore Lining, M=Matrix.			
Hydric Soil		etion, ixivi–	reduced Matrix, Mc	-iviaskeu	Sand Oi	airis.		ators for Problematic Hydric Soils ³ :			
-			Dark Surface	(07)				cm Muck (A10) (MLRA 147)			
Histosol			Polyvalue Bel	. ,	oo (CO) (N	AI DA 147		, , ,			
	oipedon (A2)						148) C	Coast Prairie Redox (A16)			
Black Hi			Thin Dark Su			147, 148)	-	(MLRA 147, 148)			
	n Sulfide (A4)		Loamy Gleye		F2)		F	Piedmont Floodplain Soils (F19)			
	Layers (A5)		Depleted Mat		·O)			(MLRA 136, 147)			
	ick (A10) (LRR N)	(111)	Redox Dark S	,	,			/ery Shallow Dark Surface (TF12)			
	d Below Dark Surface	(ATT)	Depleted Dar		. ,			Other (Explain in Remarks)			
	ark Surface (A12)	DD N	Redox Depre			LDDA					
	lucky Mineral (S1) (L	KK N,	Iron-Mangane		35 (F12) (LKK N,					
	A 147, 148)		MLRA 136	•	MI DA 40)C 400\	31	licators of burdenchutic constation and			
	Sleyed Matrix (S4)		Umbric Surfa					licators of hydrophytic vegetation and			
	ledox (S5)		Piedmont Flo					etland hydrology must be present,			
	Matrix (S6)		Red Parent M	iateriai (F	21) (WLR	A 127, 147	y un	less disturbed or problematic.			
	_ayer (if observed):										
Type:											
Depth (inc	ches):		<u></u>				Hydric Soil	Present? Yes No			
Remarks:											

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

10/19/2021 12:57:49 PM

in

Case No(s). 21-0764-EL-BGN

Summary: Application Application Exhibit P (Wetlands Report, Appx. C-7) electronically filed by Mr. Michael J. Settineri on behalf of Kensington PV 1, LLC