Photograph Page

Wetland ID <u>W-JM04</u> Cowardin Code <u>PEM</u> Date <u>10/19/20</u>



Photograph Number <u>469</u> Photograph Direction <u>North</u>

Comments:



Photograph Number <u>470</u> Photograph Direction East

Comments:



Photograph Number 471

Photograph Direction South

Comments:



Photograph Number <u>472</u> Photograph Direction <u>West</u>

Comments:



R:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

				Oal			U	
Project/Site: Kensington			City/0	County: Con	Impiana		Sampling Date:	
Applicant/Owner: Kensingt	on PV I, L	LC						_{int:} W-JM04 UP
Investigator(s): JM, KP			Secti	on, Township	o, Range: S27	7 T14N R4W		
Landform (hillslope, terrace, e	etc.): Hillsle	оре	Local re	lief (concave,	convex, none	_{e):} Linear	Slo	ope (%): <u>5-7</u>
Subregion (LRR or MLRA):	LRRN	Lat	t: 40.661609		Long: -80.9	900562	Datu	_{ım:} NAD 83
Soil Map Unit Name: Berk	s chann	ery silt l	oam, 25 to 35	percent	slopes	NWI classific	ation: None	
Are climatic / hydrologic cond								
Are Vegetation, Soil _			-					✓No
								NO
Are Vegetation, Soil _						plain any answe		
SUMMARY OF FINDIN	IGS – Atta	ach site r	nap showing sar	npling poi	nt location	ns, transects	, important f	eatures, etc.
Hydrophytic Vegetation Pre Hydric Soil Present? Wetland Hydrology Present		Yes Yes Yes		Is the Sam within a W	pled Area etland?	Yes	No	_
Remarks: Cowardin C	Code. LIDI			Wa	ter Type:			
HYDROLOGY								
Wetland Hydrology Indica	tors:				<u><u></u></u>	Secondary Indica	tors (minimum o	f two required)
Primary Indicators (minimun	<u>n of one is re</u>	equired; cheo	ck all that apply)		<u> </u>	Surface Soil	Cracks (B6)	
Surface Water (A1)			True Aquatic Plants	(B14)	_	Sparsely Veg	getated Concave	Surface (B8)
High Water Table (A2)			Hydrogen Sulfide Oc	lor (C1)	-	Drainage Pa	tterns (B10)	
Saturation (A3)			Oxidized Rhizospher	res on Living	Roots (C3)	Moss Trim Li	ines (B16)	
Water Marks (B1)			Presence of Reduce			Dry-Season)
Sediment Deposits (B2))		Recent Iron Reduction			Crayfish Bur		
Drift Deposits (B3)			Thin Muck Surface (Saturation Vi		
Algal Mat or Crust (B4)			Other (Explain in Re	marks)		Stunted or S)1)
Iron Deposits (B5)	orial Imagon	(B7)				Geomorphic Shallow Aqui		
Water-Stained Leaves						Microtopogra	. ,	
Aquatic Fauna (B13)	(20)				-	FAC-Neutral		
Field Observations:							. ,	
Surface Water Present?			_ Depth (inches):					
Water Table Present?			Depth (inches):					
Saturation Present? (includes capillary fringe)	Yes	No 🔽	_ Depth (inches):		Wetland Hy	drology Preser	nt? Yes	No
Describe Recorded Data (st	ream gauge	, monitoring	well, aerial photos, pre	evious inspec	tions), if availa	able:		
Remarks:								

Sampling Point: W-JM04 UPL

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)	% Cover	Species?		Number of Dominant Species
1		·		That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: (B)
4				Demonst of Deminent Creation
5				Percent of Dominant Species That Are OBL, FACW, or FAC:0 (A/B)
6				
7.				Prevalence Index worksheet:
	0	= Total Cove	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 3 =
2				FACU species x 4 =
3				UPL species x 5 =
		·		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
		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 0	20% of	total cover:	0	data in Remarks or on a separate sheet)
	<u> </u>		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Trifolium pratense	60	·		
2. Trifolium repens	15		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Plantago major	5		FACU	be present, unless disturbed or problematic.
4. Plantago lanceolata	10		UPL	Definitions of Four Vegetation Strata:
5. Cirsium vulgare	5		FACU	
6. Daucus carota	5		UPL	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	= Total Cove	-r	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50	20% of	total cover:	20	
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in
1				height.
2		·		
3				
4		·		Hydrophytic
o	0			Vegetation Present? Yes No
50% of total cover: 0		= Total Cove total cover:		
		total cover.	0	
Remarks: (Include photo numbers here or on a separate s	neet.)			

Profile Desc	cription: (Describe to	o the dept	h needed to documen	t the indicator	or confirm	the absence of indicators.)
Depth	Matrix		Redox Fe	eatures		
(inches)	Color (moist)	%	Color (moist)	<u>% Type¹</u>	Loc ²	Texture Remarks
0-4	10YR 4/4	100				SiL
4-16		100				
4-10	<u>10YR 5/4</u>	100	<u> </u>		<u> </u>	GRSIL
			<u> </u>		<u> </u>	
		tion DM	Reduced Matrix, MS=M	Analysia Card		² Location: PL=Pore Lining, M=Matrix.
Hydric Soil				laskeu Saliu Gia	aii 15.	Indicators for Problematic Hydric Soils ³ :
•			Dark Surfage (97	7)		•
Histosol	· · ·		Dark Surface (S7			2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below			
	istic (A3)		Thin Dark Surfac		47, 140)	(MLRA 147, 148)
	en Sulfide (A4) d Layers (A5)		Loamy Gleyed M	. ,		Piedmont Floodplain Soils (F19)
			Depleted Matrix (. ,		(MLRA 136, 147)
	uck (A10) (LRR N) d Below Dark Surface	(11)	Redox Dark Surf	. ,		Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
	ark Surface (A12)	(ATT)	Depleted Dark Si Redox Depression			
	/lucky Mineral (S1) (LF		Iron-Manganese	· · ·		
	A 147, 148)	ΝΝ Ν ,	MLRA 136)	Masses (F12) (
	Gleyed Matrix (S4)		Umbric Surface ((E13) (MI PA 13	6 122)	³ Indicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodp			
	Matrix (S6)		Red Parent Mate	· · ·	•	
	Layer (if observed):				~ 121, 141)	
	,					
Depth (in	ches):					Hydric Soil Present? Yes No
Remarks:						

Project/Site: Kensington		City/C	_{County:} Columbiana	ç	Sampling Date: 10/20/20
Applicant/Owner: Kensingto	n PV I, LLC				_ Sampling Point: W-JM05
Investigator(s): JM, KP		Secti	on, Township, Range: S2		
Landform (hillslope, terrace, et					Slope (%): 0-3
Subregion (LRR or MLRA):					Datum: NAD 83
Soil Map Unit Name: Gilpin	-coshocton	silt loams, 6 to 15	5 percent slopes	NWI classificat	tion: None
Are climatic / hydrologic conditi					
, ,		•			· .
Are Vegetation, Soil					
Are Vegetation, Soil				explain any answers	
SUMMARY OF FINDING	GS – Attach sit	e map showing san	npling point locatio	ons, transects,	important features, etc.
Hydrophytic Vegetation Prese	ent? Yes	✓ No	Is the Sampled Area		
Hydric Soil Present?	Yes	✓ No	within a Wetland?	Yes 🖌	Νο
Wetland Hydrology Present?	Yes	✓ No			
Remarks: Cowardin Co	ode: PSS	HGM: Riverine	Water Type:		
HYDROLOGY					
Wetland Hydrology Indicato	ne.			Secondary Indicato	ors (minimum of two required)
Primary Indicators (minimum		back all that apply)		Surface Soil C	
Surface Water (A1)	or one is required, t	True Aquatic Plants ((P14)		tated Concave Surface (B8)
High Water Table (A2)		Hydrogen Sulfide Od		Drainage Patte	
Saturation (A3)			es on Living Roots (C3)	Moss Trim Line	
Water Marks (B1)		Presence of Reduce			ater Table (C2)
Sediment Deposits (B2)		Recent Iron Reductio	. ,	Crayfish Burro	. ,
Drift Deposits (B3)		Thin Muck Surface (-	ble on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Other (Explain in Rei			essed Plants (D1)
Iron Deposits (B5)				✓ Geomorphic P	osition (D2)
Inundation Visible on Aer	ial Imagery (B7)			Shallow Aquita	ard (D3)
Water-Stained Leaves (E	39)			Microtopograp	hic Relief (D4)
Aquatic Fauna (B13)				FAC-Neutral T	est (D5)
Field Observations:					
Surface Water Present?		Depth (inches):			
Water Table Present?		Depth (inches):			
Saturation Present? (includes capillary fringe)	Yes No	Depth (inches):	Wetland H	lydrology Present?	? Yes 🖌 No
Describe Recorded Data (stre	eam gauge, monitor	ing well, aerial photos, pre	evious inspections), if ava	ilable:	
Remarks:					

Sampling Point: W-JM05

		Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 7 (A)
2				
				Total Number of Dominant Species Across All Strata: 9 (B)
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 78 (A/B)
6				Drevelence Index werkeheet:
7				Prevalence Index worksheet:
	0	= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover: 0	20% o	f total cove	r: <u>0</u>	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
_{1.} Alnus glutinosa	25	~	FACW	FAC species x 3 =
2. Cornus sericea	35	~	FACW	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				
	60	= Total Co		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: <u>30</u>		f total cove		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size:)	20700			data in Remarks or on a separate sheet)
1 Stellaria media	10	~	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
··		- <u>·</u>	FACW	
2. Packera aurea	10			¹ Indicators of hydric soil and wetland hydrology must
3. Boehmeria cylindrica	15	<u> </u>	FACW	be present, unless disturbed or problematic.
4. Rumex crispus	10	 ✓ 	FAC	Definitions of Four Vegetation Strata:
5. Symplocarpus foetidus	5	_	OBL	
6. Urtica dioica	15	~	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Eutrochium maculatum	10	 ✓ 	FACW	more in diameter at breast height (DBH), regardless of height.
8. Galium asprellum	10	~	OBL	ineight.
				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
	85	= Total Co	ver	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>42.5</u>	5 20% o	f total cove	r: <u>1/</u>	Weedy vine All weedy vince 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				
4				Hydrophytic
5				Vegetation
		= Total Co		Present? Yes <u>V</u> No
50% of total cover: <u>0</u>	20% o	f total cove	r: <u>0</u>	
Remarks: (Include photo numbers here or on a separate s	heet.)			·

Profile Desc	cription: (Describe to	o the dept	th needed to docur	nent the i	ndicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-20	10YR 4/2	55	10YR 4/6	15	С	Μ	SIL	
	10YR 5/3	30						
	1011 3/3					·		
	·		·			·		
						·		
		·				·	·	
	,							
¹ Type: C=C	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gr	ains.	² Location: PL	_=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	tors for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic E	pipedon (A2)		Polyvalue Be	low Surfac	ce (S8) (N	ILRA 147,	, 148) C	oast Prairie Redox (A16)
Black Hi	istic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)		(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye	d Matrix (F2)		Pi	iedmont Floodplain Soils (F19)
Stratifie	d Layers (A5)		Depleted Mar	trix (F3)				(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	•	,		Ve	ery Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	(A11)	Depleted Dar				O	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
-	/lucky Mineral (S1) (Ll	RR N,	Iron-Mangan		es (F12) (LRR N,		
	A 147, 148)		MLRA 13	,			2	
	Bleyed Matrix (S4)		Umbric Surfa					cators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo	•	. ,	•		tland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 14	7) unl	ess disturbed or problematic.
Restrictive	Layer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil	Present? Yes 🖌 No
Remarks:								

Photograph Page

Wetland ID <u>W-JM05</u> Cowardin Code <u>PSS</u> Date <u>10/20/20</u>



Photograph Number <u>473</u> Photograph Direction South

Comments:



Photograph Number <u>474</u> Photograph Direction <u>North</u>

Comments:



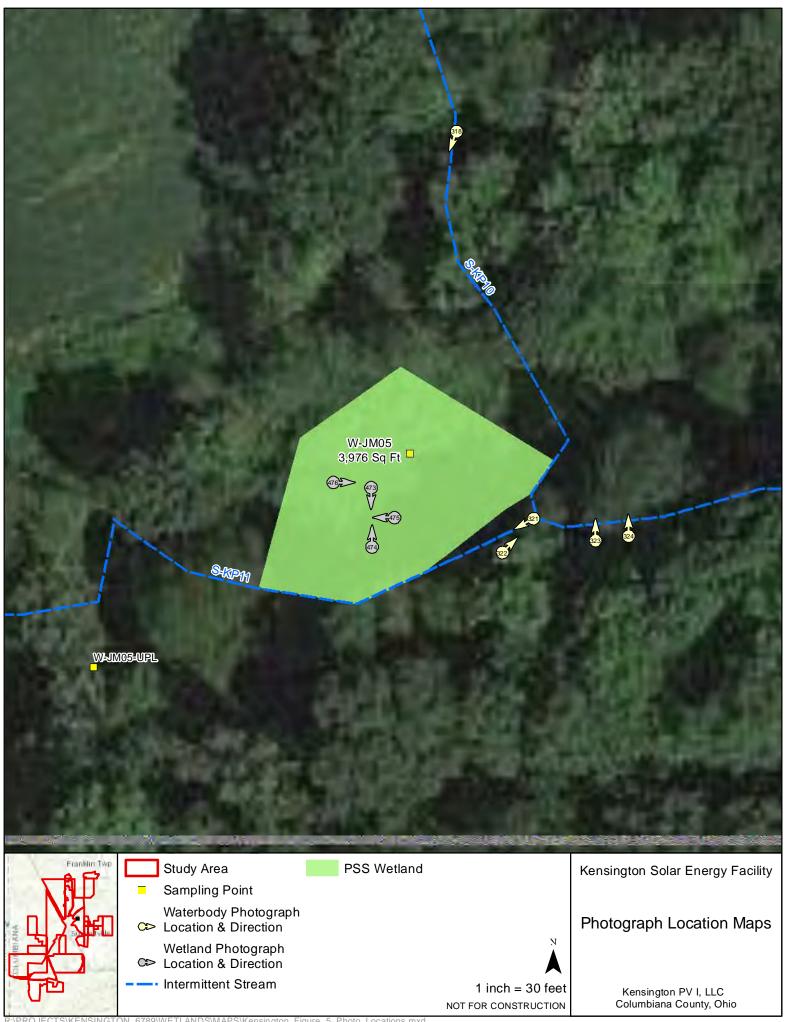
Photograph Number <u>475</u> Photograph Direction <u>West</u>

Comments:



Photograph Number <u>476</u> Photograph Direction <u>East</u>

Comments:



ROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington	City/Cour	_{tv} . Columbiana		Sampling Date: 10/20/20
Applicant/Owner: Kensington PV I, LLC				Sampling Point: W-JM05 UPI
Investigator(s): JM, KP	Section,	Lownship Range S2	3 T14N R4W	
Landform (hillslope terrace etc.). Valley	Occilon,	concave convex non	e) Concave	Slope (%): 2-4
Landform (hillslope, terrace, etc.): Valley Subregion (LRR or MLRA): LRRN	40.685587	-80.	882849	Slope (%)
Soil Map Unit Name: Gilpin-coshocton s	silt loams 6 to 15 n	ercent slones		None
· · ·				
Are climatic / hydrologic conditions on the site typic				
Are Vegetation, Soil, or Hydrology	significantly disturbed	? Are "Normal	Circumstances" p	vresent? Yes <u>V</u> No
Are Vegetation, Soil, or Hydrology	naturally problematic	? (If needed, e	xplain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach sit	e map showing sampl	ing point locatio	ns, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes	No			
		the Sampled Area	Vee	No
Wetland Hydrology Present? Yes	No	thin a Wetland?	tes	NO
Remarks: Cowardin Code: UPLAND		Water Type:		
		frator typo.		
HYDROLOGY				
Wetland Hydrology Indicators:				tors (minimum of two required)
Primary Indicators (minimum of one is required; of			Surface Soil	
Surface Water (A1)	True Aquatic Plants (B14)			getated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (Drainage Par	
Saturation (A3)	Oxidized Rhizospheres of			
Water Marks (B1)	Presence of Reduced Iro		Dry-Season	
Sediment Deposits (B2)	Recent Iron Reduction in	Tilled Solis (Co)	Crayfish Bur	sible on Aerial Imagery (C9)
Drift Deposits (B3) Algal Mat or Crust (B4)	 Thin Muck Surface (C7) Other (Explain in Remark 			tressed Plants (D1)
Iron Deposits (B5)		(3)	Geomorphic	
Inundation Visible on Aerial Imagery (B7)			Shallow Aqui	
Water-Stained Leaves (B9)				phic Relief (D4)
Aquatic Fauna (B13)			FAC-Neutral	,
Field Observations:				
Surface Water Present? Yes No	Depth (inches):	_		
Water Table Present? Yes No	Depth (inches):			
Saturation Present? Yes No	Depth (inches):	Wetland H	ydrology Presen	t? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	na well porial photos, proviou	is increations), if avai	labla:	
Describe Recorded Data (stream gauge, monitor	ng well, aenai photos, previot	is inspections), if avai	lable.	
Remarks:				

Sampling Point: W-JM05 UPL

201	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1. Quercus alba	30	<u> </u>	FACU	That Are OBL, FACW, or FAC: (A)
2. Prunus serotina	20	<u> </u>	FACU	Total Number of Dominant
3				Species Across All Strata: 5 (B)
4		. <u>.</u>		Demont of Dominant Species
5		·		Percent of Dominant Species That Are OBL, FACW, or FAC:0 (A/B)
6				
7.				Prevalence Index worksheet:
	50	= Total Cov	rer	Total % Cover of: Multiply by:
50% of total cover:25	20% of	total cover	10	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Prunus serotina	10	~	FACU	FAC species x 3 =
2				FACU species x 4 =
3				UPL species x 5 =
			·	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
_		= Total Cov	-	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>5</u>	20% of	total cover	2	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')	05			Problematic Hydrophytic Vegetation ¹ (Explain)
1. Rosa multiflora	35	<u> </u>	FACU	
2. Boehmeria cylindrica	15	. <u>.</u>	FACW	
3. Packera aurea	10		FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Pilea pumila	10		FACW	Definitions of Four Vegetation Strata:
5. Phytolacca americana	15	~	FACU	Demittoris of Four Vegetation offata.
6. Urtica dioica	10		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8		·	·	noight
9		·	·	Sapling/Shrub – Woody plants, excluding vines, less
10.		·	·	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10		·		,
11. <u></u>	95	Tatal Oa	·	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.5		= Total Cov total cover	^{/er} 19	or size, and woody plants less than 5.20 it tall.
Woody Vine Stratum (Plot size: 15')	20%0			Woody vine - All woody vines greater than 3.28 ft in
				height.
1			·	
2		·	·	
3		·	·	
4		·	· <u> </u>	Hydrophytic
5	0	·	·	Vegetation
0		= Total Cov		Present? Yes No V
50% of total cover: 0		total cover		
Remarks: (Include photo numbers here or on a separate s	heet.)			

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 4/3 100 SIL	
8-16 10YR 4/4 100 SIL	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.	
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 Soils	·.
	•
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) (MLRA 136, 147)	
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) ³ Indicators of hydrophytic vegetation an	1
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):	
Туре:	
Depth (inches): No _	_
Remarks:	

Project/Site: Kensington	City/County: Columbian	a	Sampling Date: 10/20/20			
Applicant/Owner: Kensington PV I, LLC	, ,	State: OH	Sampling Point: W-JM06			
Investigator(s): JM, KP	Section, Township, Range: S23 T14N R4W					
Landform (hillslope, terrace, etc.): Valley	Local relief (concave, convex	none): Concave	Slope (%): 0-3			
Subregion (LRR or MLRA): LRRN			Datum: NAD 83			
Soil Map Unit Name: Gilpin-Coshocton s	ilt loams, 6 to 15 percent slop	Des NWI classific	cation: None			
Are climatic / hydrologic conditions on the site typica	al for this time of year? Yes 🖌 No	(If no, explain in R	emarks.)			
Are Vegetation, Soil, or Hydrology _	•		, ,			
Are Vegetation, Soil, or Hydrology _ SUMMARY OF FINDINGS – Attach site		ed, explain any answe ations. transects				
			, , ,,,			
Hydrophytic Vegetation Present? Yes	No Is the Sampled Ard					
Hydric Soil Present? Yes	No within a Wetland?	Yes 🔽	No			
Wetland Hydrology Present? Yes <u> Remarks:</u> Cowardin Codo: DCC	No					
Cowardin Code: PSS	HGM: Riverine Water Typ	be:				
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indica	ators (minimum of two required)			
Primary Indicators (minimum of one is required; ch	eck all that apply)	Surface Soil	Cracks (B6)			
Surface Water (A1)	True Aquatic Plants (B14)	Sparsely Ve	getated Concave Surface (B8)			
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Pa				
	 Oxidized Rhizospheres on Living Roots (C 	-				
Water Marks (B1)	Presence of Reduced Iron (C4)	Dry-Season	Water Table (C2)			
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (C6)	Crayfish Bur	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 S	tressed 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 Yes No	Depth (inches):5					
	Depth (inches):3 Wetlan	nd Hydrology Preser	nt? Yes 🖌 No			
(includes capillary fringe) Describe Recorded Data (stream gauge, monitorir	a well aerial photos, previous inspections) if	available:				
Describe Recorded Data (stream gauge, monitori						
Remarks:						

Sampling Point: W-JM06

	Abaaluta	- Deminent	Indiantan	Deminence Test werkeheet		
Tree Stratum (Plot size: <u>30'</u>)	Absolute	Dominant		Dominance Test worksheet:		
Acer rubrum		Species?		Number of Dominant Species	6	
	25	 ✓ 	FAC	That Are OBL, FACW, or FAC	; 6	(A)
2						
2				Total Number of Dominant	0	
3				Species Across All Strata:	6	(B)
4						
				Percent of Dominant Species	4000/	
5				That Are OBL, FACW, or FAC	; 100%	(A/B)
6						,
				Prevalence Index worksheet	t:	
7				Total % Course of	Multiply by by	
	25	= Total Cov	er	Total % Cover of:	Multiply by:	
50% of total cover: <u>12.5</u>				OBL species	x 1 =	
15	20 / 01	iotal cover.	0			
Sapling/Shrub Stratum (Plot size: 15')				FACW species		
1 Alnus glutinosa	35	~	FACW	FAC species	x 3 =	
11 <u> </u>		·		FACU species		
2	-					
3				UPL species	x 5 =	
				Column Totals:	(A)	(P)
4					(A)	(B)
5						
				Prevalence Index = B/A	. =	_
6				Hydrophytic Vegetation Indi	cators:	
7						
		·		1 - Rapid Test for Hydrop	hytic Vegetation	
8	-			✓ 2 - Dominance Test is >5	0%	
9.						
	35			3 - Prevalence Index is ≤	3.0'	
		= Total Cov		4 - Morphological Adapta	tions ¹ (Provide sur	porting
50% of total cover: 17.5	5 20% of	total cover:	7			
Herb Stratum (Plot size: 5')				data in Remarks or on	a separate sheet)	
	10			Problematic Hydrophytic	Vegetation ¹ (Expla	uin)
_{1.} Pilea pumila	10	 ✓ 	FACW			
2 Packera aurea	10	~	FACW			
		·		¹ Indicators of hydric soil and w	vetland hydrology r	must
_{3.} Boehmeria cylindrica	10	 ✓ 	FACW	be present, unless disturbed of		indot
⁴ Polygonum pensylvanicum	15	~	FACW		•	
				Definitions of Four Vegetation	on Strata:	
5. Viola sororia	5		FAC			
6.				Tree – Woody plants, excludir	ng vines, 3 in. (7.6	cm) or
6		·		more in diameter at breast he	ght (DBH), regard	less of
7				height.		
8						
8				Sapling/Shrub – Woody plan	ts, excluding vines	s, less
9				than 3 in. DBH and greater that	an or equal to 3.28	3 ft (1
10.				m) tall.		
11				Herb - All herbaceous (non-w	oody) plants, rega	ardless
	50	= Total Cov	er	of size, and woody plants less		
50% of total cover:25		total cover:				
	20% 01	total cover.	10	Woody vine - All woody vine	s greater than 3.28	3 ft in
Woody Vine Stratum (Plot size: 15')				height.	s groater than oize	
1						
1						
2						
3		· <u> </u>				
4				Hydrophytic		
5				Vegetation		
0	•	·		Present? Yes	No	
		= Total Cov		Flesent? Tes v		
50% of total cover: 0	20% of	total cover:	0			
		•				
Remarks: (Include photo numbers here or on a separate s	neet.)					

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox	Features	3			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 4/2	90	10YR 4/6	10	С	M/PL	SIL	
4-18	10YR 5/2	90	10YR 5/6	10	С	M	SL	
<u> </u>								
	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS	=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indic	ators for Problematic Hydric Soils ³ :
Histosol	· · ·		Dark Surface	· ·				2 cm Muck (A10) (MLRA 147)
Histic Ep	oipedon (A2)		Polyvalue Bel	ow Surfa	ce (S8) (I	MLRA 147,	148) (Coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Sur	rface (S9)	(MLRA	147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (F2)		F	Piedmont Floodplain Soils (F19)
Stratified	Layers (A5)		 Depleted Mat 	rix (F3)				(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S	. ,	6)		١	Very Shallow Dark Surface (TF12)
	Below Dark Surface	(A11)	Depleted Darl		,			Other (Explain in Remarks)
	ark Surface (A12)	()	Redox Depres		. ,			
	lucky Mineral (S1) (LI		Iron-Mangane					
	147, 148)	\\\ \	MLRA 136		55 (1 12) (
	ileyed Matrix (S4)		Umbric Surfac			06 100)	³ In	dicators of hydrophytic vegetation and
	edox (S5)							
	Matrix (S6)		Piedmont Floo					etland hydrology must be present, nless disturbed or problematic.
	ayer (if observed):			ialenai (F		A 127, 147	r) u	liess distribed of problematic.
Type:	Layer (il observeu).							
	ches):						Hvdric Soi	il Present? Yes 🖌 No
Remarks:								
Remarks.								

Photograph Page

Wetland ID <u>W-JM06</u> Cowardin Code <u>PSS</u> Date <u>10/20/20</u>



Photograph Number <u>477</u>

Photograph Direction East

Comments:



Photograph Number <u>478</u> Photograph Direction <u>South</u>

Comments:



Photograph Number 479

Photograph Direction North

Comments:



Photograph Number <u>480</u> Photograph Direction <u>West</u>

Comments:



:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington Applicant/Owner: Kensingto Investigator(s): JM, KP Landform (hillslope, terrace, e Subregion (LRR or MLRA): L Soil Map Unit Name: Gilpin	tc.): Valle			City/C			State: OH	Sampling Dat	oint: W-JM06,JM07-U
Investigator(s): <u>JM, KP</u> Landform (hillslope, terrace, e Subregion (LRR or MLRA): <u>L</u>	tc.): Valle			Secti	an Taunahir	62			0int
Landform (hillslope, terrace, e Subregion (LRR or MLRA): <u>L</u>		ev.		Section		D	3 I 14N R4W		
Subregion (LRR or MLRA):		andform (hillslope, terrace, etc.): Valley Local relief (concave, convex							2-5
	DDN								
Soil Man Linit Name GIIDI									tum: INAD 65
Are climatic / hydrologic condi	tions on the	e site typic	al for	this time of year? Y	′es 🔽	No (f no, explain in R	emarks.)	
Are Vegetation, Soil	, or H	lydrology		significantly distur	bed?	Are "Normal	Circumstances" p	resent? Yes	✓ No
Are Vegetation, Soil	, or H	lydrology		_ naturally problem	atic?	(If needed, e	xplain any answe	rs in Remarks.)
SUMMARY OF FINDIN	IGS – At	tach site	e ma	p showing san	npling poi	int locatio	ns, transects	, important	features, etc.
							-,		
Hydrophytic Vegetation Pres	sent?	Yes			Is the Sam	pled Area			
Hydric Soil Present?		Yes			within a W	•	Yes	No⁄	·
Wetland Hydrology Present?	?	Yes		No					
Remarks: Cowardin C	ode: UPI	AND	H	IGM:	Wa	iter Type:			
HYDROLOGY									
Wetland Hydrology Indicat					Secondary Indica	tors (minimum	of two required)		
Primary Indicators (minimum	n of one is r	equired; c	heck a	all that apply)			Surface Soil	Cracks (B6)	
Surface Water (A1)			т	rue Aquatic Plants ((B14)		Sparsely Vegetated Concave Surface (B8)		
High Water Table (A2)				lydrogen Sulfide Od			Drainage Patterns (B10)		
Saturation (A3)				xidized Rhizospher	-	Roots (C3)	Moss Trim Lines (B16)		
Water Marks (B1)				resence of Reduced			Dry-Season Water Table (C2)		
Sediment Deposits (B2)				ecent Iron Reductio		oils (C6)	Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)				hin Muck Surface (
Algal Mat or Crust (B4) Iron Deposits (B5)				other (Explain in Rer	naiks)		Geomorphic	ressed Plants	(01)
Inundation Visible on Ae	erial Imager	v (B7)					Shallow Aqui		
Water-Stained Leaves (-) (=:)						phic Relief (D4	L)
Aquatic Fauna (B13)	- /						FAC-Neutral		,
Field Observations:									
Surface Water Present?				Depth (inches):					
Water Table Present?	Yes	No	<u>ر</u>	Depth (inches):					
Saturation Present?	Yes	No	<u> </u>	Depth (inches):		Wetland H	ydrology Presen	t? Yes	No_
(includes capillary fringe) Describe Recorded Data (str		monitori	00.000	Il agrial photos, pro		tions) if avai	labla:		
	icani gauge	, 110111011	ng we	ii, achai photos, pre					
Remarks:									
1									

Sampling Point: W-JM06, JM07-UPL

	Abaaluta	Dominant	Indiaatar	Deminence Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)	Absolute	Dominant Species?		Dominance Test worksheet:
			FAC	Number of Dominant Species
1. Acer rubrum	20	<u> </u>		That Are OBL, FACW, or FAC: 2 (A)
2. Prunus serotina	30	~	FACU	
3. Ulmus americana	20	~	FACU	Total Number of Dominant
3			1/100	Species Across All Strata: (B)
4				Demonst of Deminent Creation
5				Percent of Dominant Species
				That Are OBL, FACW, or FAC: <u>20</u> (A/B)
б				Prevalence Index worksheet:
7				
	70	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: <u>35</u>		total cover		OBL species x 1 =
15	20 % 01			FACW species x 2 =
<u>odping/on do otratam</u> (not size)				
_{1.} Rosa multiflora	60	~	FACU	FAC species x 3 =
2. Lonicera tartarica	10		FACU	FACU species x 4 =
				· <u> </u>
3. Cornus sericea	15		FACW	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				
	85	= Total Cov	or	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 42.5				4 - Morphological Adaptations ¹ (Provide supporting
	<u>20% of</u>	total cover	17	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')				
_{1.} Geum canadense	5	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dryopteris species	5		ND	
				¹ Indicators of hydric soil and wetland hydrology must
3. Glechoma hederacea	5	 ✓ 	FACU	be present, unless disturbed or problematic.
4. Toxicodendron radicans	5	~	FAC	
				Definitions of Four Vegetation Strata:
5				Tree March relate evolution visco 2 in (7.0 err) er
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
				m) tall.
10				
11				Herb – All herbaceous (non-woody) plants, regardless
	20	= Total Cov	rer	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>10</u>		total cover		
			·	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				
2				
3				
4				I hudron hudio
5				Hydrophytic Vegetation
0	•		·	Present? Yes <u>No</u>
		= Total Cov		
50% of total cover: 0	20% of	total cover	0	
Remarks: (Include photo numbers here or on a separate s	heet)			
ND- species not determined, not included in dor		est		

Profile Desc	ription: (Describe t	o the dept	h needed to docun	nent the i	ndicator	or confirm	the absence of indicators.)
Depth	Matrix			x Features		0	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-4	10YR 4/2	100					SIL
4-12	10YR 4/3	100					SIL
12-18	10YR 4/4	100					SIL
·							
					<u> </u>		·
·							
							·
¹ Type: C=C	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil			,				Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be	· · ·	ce (S8) (M	ILRA 147,	
Black Hi	stic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)	(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (I	=2)		Piedmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Mat	trix (F3)			(MLRA 136, 147)
2 cm Mu	ick (A10) (LRR N)		Redox Dark S	Surface (F	6)		Very Shallow Dark Surface (TF12)
Depleted	d Below Dark Surface	e (A11)	Depleted Dar		. ,		Other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre				
	lucky Mineral (S1) (L	RR N,	Iron-Mangane		es (F12) (I	LRR N,	
	A 147, 148)		MLRA 13				2
	leyed Matrix (S4)		Umbric Surfa				³ Indicators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo	•	• •	•	
	Matrix (S6)		Red Parent M	Aaterial (Fi	21) (MLR	A 127, 147	7) unless disturbed or problematic.
	_ayer (if observed):						
Туре:							
Depth (in	ches):						Hydric Soil Present? Yes No
Remarks:							·

Project/Site: Kensington	City/County: Columb	Sampling Date: 10/20/20			
Applicant/Owner: Kensington PV I, LLC		State: OH	_ Sampling Point: W-JM07		
Investigator(s): JM, KP	Section, Township, Ra	ange: S23 T14N R4W	_		
Landform (hillslope, terrace, etc.): Valley	Local relief (concave, cor	vex, none): Concave	Slope (%): 0-2		
Subregion (LRR or MLRA): LRRN L			Datum: NAD 83		
Soil Map Unit Name: Gilpin-coshocton si					
Are climatic / hydrologic conditions on the site typica	I for this time of year? Yes No _	(If no, explain in Re	emarks.)		
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are	"Normal Circumstances" p	resent? Yes 🖌 No		
Are Vegetation, Soil, or Hydrology		eeded, explain any answer			
SUMMARY OF FINDINGS – Attach site					
Hydrophytic Vegetation Present? Yes <u>Yes</u> Hydric Soil Present? Yes <u>Yes</u>	Is the Sampled				
Wetland Hydrology Present? Yes	No within a Wetla	nd? Yes 🚩	No		
Remarks: Cowardin Code: PFO	HGM: Riverine Water	Type [.]			
Heavy rains for past 24 Hours					
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indicat	ors (minimum of two required)		
Primary Indicators (minimum of one is required; ch	eck all that apply)	Surface Soil (, ,		
Surface Water (A1)	_ True Aquatic Plants (B14)		etated Concave Surface (B8)		
High Water Table (A2)	_ Hydrogen Sulfide Odor (C1)	Drainage Pat			
	Oxidized Rhizospheres on Living Roo				
Water Marks (B1)	_ Presence of Reduced Iron (C4)		Vater Table (C2)		
Sediment Deposits (B2)	_ Recent Iron Reduction in Tilled Soils (
Drift Deposits (B3) Algal Mat or Crust (B4)	_ Thin Muck Surface (C7) _ Other (Explain in Remarks)		Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)		
Iron Deposits (B5)		Geomorphic F	· ,		
Inundation Visible on Aerial Imagery (B7)			Aquitard (D3)		
Water-Stained Leaves (B9)			ohic Relief (D4)		
Aquatic Fauna (B13)		✓ FAC-Neutral			
Field Observations:					
Surface Water Present? Yes 🖌 No	Depth (inches):1				
Water Table Present? Yes <u>Ves</u> No	Depth (inches):0				
Saturation Present? Yes <u>Ves</u> No	-	etland Hydrology Present	? Yes 🖌 No		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitorin-	g well, aerial photos, previous inspection	s), if available:			
	5 · ; · · · · · · · · · · · · · · · · ·				
Remarks:					

Sampling Point: W-JM07

0.01	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30</u>)	% Cover	Species?		Number of Dominant Species
1. Acer rubrum	45	~	FAC	That Are OBL, FACW, or FAC:5 (A)
2. Salix nigra	15	~	OBL	
			<u> </u>	Total Number of Dominant Species Across All Strata: 5 (B)
3			·	Species Across All Strata: (B)
4			- <u> </u>	Percent of Dominant Species
5				That Are OBL, FACW, or FAC:(A/B)
6				
7.				Prevalence Index worksheet:
	60	= Total Cov	/or	Total % Cover of: Multiply by:
50% of total cover: <u>30</u>		total cover		OBL species x 1 =
	20 /8 01			FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 15')	CE.		FACW	FAC species x 3 =
1. Cornus sericea	65	<u> </u>		
2. Alnus glutinosa	15		FACW	FACU species x 4 =
3				UPL species x 5 =
				Column Totals: (A) (B)
4			- <u> </u>	
5			·	Prevalence Index = B/A =
6			·	Hydrophytic Vegetation Indicators:
7			. <u> </u>	1 - Rapid Test for Hydrophytic Vegetation
8				
			- <u> </u>	✓ 2 - Dominance Test is >50%
9	80	T () O	- <u> </u>	3 - Prevalence Index is ≤3.0 ¹
500(() () 10		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>40</u>	20% of	total cover		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')			540	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Rumex crispus	20	~	FAC	
_{2.} Pilea pumila	10		FACW	
3. Polygonum pensylvanicum	5		FACW	¹ Indicators of hydric soil and wetland hydrology must
4 Carex lurida	5		OBL	be present, unless disturbed or problematic.
··	15			Definitions of Four Vegetation Strata:
5. Poa trivialis	15	 	FACW	Trop Woody plants, evoluting vince 2 in (7.6 cm) or
6			<u> </u>	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				, , , , , , , , , , , , , , , , , , ,
			<u> </u>	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
	55	= Total Cov	/er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 27.5	520% of	total cover	<u>. 11</u>	
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in height.
· · · · · · · · · · · · · · · · · · ·				
1			·	
2			·	
3			<u> </u>	
4				Hydrophytic
5				Vegetation
	0	= Total Cov	/er	Present? Yes V No
50% of total cover: 0		total cover	-	
			·	
Remarks: (Include photo numbers here or on a separate s	sneet.)			

Profile Desc	ription: (Describe to	o the dept	h needed to docum	ent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	Features	5			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 4/3	90	7.5YR 4/6	10	С	M/PL	SIL	
3-12	10YR 4/2	80	7.5YR 5/6	20	С	M/PL	SIL	
12-18	10YR 5/2	70	7.5YR 5/6	30	С	М	SIL	
·								
	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.		L=Pore Lining, M=Matrix.
Hydric Soil				(- -)				ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	. ,				cm Muck (A10) (MLRA 147)
	bipedon (A2)		Polyvalue Bel				148) <u> </u>	coast Prairie Redox (A16)
Black Hi	. ,		Thin Dark Sur	. ,	•	47, 148)	_	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed		F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mati	. ,				(MLRA 136, 147)
	ıck (A10) (LRR N)		Redox Dark S		,			ery Shallow Dark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dark				0	other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depres	ssions (F8	3)			
	lucky Mineral (S1) (Li	RR N,	Iron-Mangane		es (F12) (LRR N,		
	A 147, 148)		MLRA 136				2	
	Bleyed Matrix (S4)		Umbric Surfac					icators of hydrophytic vegetation and
	edox (S5)		Piedmont Floo	•	, ,	•	•	tland hydrology must be present,
	Matrix (S6) Layer (if observed):		Red Parent M	laterial (F)	21) (MLR	A 127, 147) uni	less disturbed or problematic.
	Layer (if observed):							
Type:	-1							
	ches):						Hydric Soil	Present? Yes <u>V</u> No
Remarks:								

Photograph Page

Wetland ID <u>W-JM07</u> Cowardin Code <u>PFO</u> Date <u>10/20/20</u>



Photograph Number <u>481</u>

Photograph Direction North

Comments:



Photograph Number <u>482</u> Photograph Direction <u>West</u>

Comments:



Photograph Number 483

Photograph Direction South

Comments:



Photograph Number <u>484</u> Photograph Direction <u>East</u>

Comments:



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Project/Site: Kensington	City/County: Colu	Sampling Date: 10/20/20			
Applicant/Owner: Kensington PV I, LLC		_{State:} OH	Sampling Point: W-JM08		
Investigator(s): JM, KP	Section, Township	. Range: S23 T14N R4W			
Landform (hillslope, terrace, etc.): Valley	Local relief (concave,	convex. none); Concave	Slope (%): 2-4		
Subregion (LRR or MLRA): LRRN L			Datum: NAD 83		
Soil Map Unit Name: Gilpin-coshocton si					
Are climatic / hydrologic conditions on the site typica	Il for this time of year? Yes I	No (If no, explain in R	emarks.)		
Are Vegetation, Soil, or Hydrology					
Are Vegetation, Soil, or Hydrology _		(If needed, explain any answe			
SUMMARY OF FINDINGS – Attach site					
Hydrophytic Vegetation Present? Yes					
Hydrophytic Vegetation Present? Yes Yes Yes	Is the Sam				
Wetland Hydrology Present? Yes	NO within a W	etland? Yes <u></u>	No		
Remarks: Cowardin Code: PEM		ter Type:			
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indica	ators (minimum of two required)		
Primary Indicators (minimum of one is required; ch	eck all that apply)	Surface Soil	Cracks (B6)		
Surface Water (A1)	True Aquatic Plants (B14)		getated Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Odor (C1)		Drainage Patterns (B10) Moss Trim Lines (B16)		
	 Oxidized Rhizospheres on Living 				
Water Marks (B1)	Presence of Reduced Iron (C4)		Water Table (C2)		
Sediment Deposits (B2)	Recent Iron Reduction in Tilled So				
Drift Deposits (B3)	Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9			
	Other (Explain in Remarks)	Stunted or S Geomorphic	tressed Plants (D1)		
Iron Deposits (B5) Implication Visible on Aerial Imagery (B7)		Shallow Aqu			
Water-Stained Leaves (B9)			aphic Relief (D4)		
Aquatic Fauna (B13)		FAC-Neutral			
Field Observations:					
	Depth (inches):				
Water Table Present? Yes No	Depth (inches):				
	Depth (inches):				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitorin	g well, aerial photos, previous inspec	tions), if available:			
Remarks:					
Remarks.					

Sampling Point: W-JM08

	Abaaluta	Dominant	Indicator	Deminence Test werkehest:
Tree Stratum (Plot size: 30')		Dominant Species?		Dominance Test worksheet: Number of Dominant Species
1		<u> </u>	. <u> </u>	That Are OBL, FACW, or FAC:9 (A)
2				Total Number of Dominant
3				Species Across All Strata:9 (B)
4				Percent of Dominant Species
5		<u> </u>		That Are OBL, FACW, or FAC: 100% (A/B)
6				Development in development in the est
7		<u> </u>		Prevalence Index worksheet:
		= Total Cov		Total % Cover of:Multiply by:
50% of total cover: 0	20% o	f 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			· <u> </u>	UPL species $x 5 = $ (A)
4				Column Totals: (A) (B)
5			·	Prevalence Index = B/A =
6		<u></u>	·	Hydrophytic Vegetation Indicators:
7			· <u> </u>	1 - Rapid Test for Hydrophytic Vegetation
8			·	✓ 2 - Dominance Test is >50%
9			· <u> </u>	3 - Prevalence Index is ≤3.0 ¹
50% (1.1.1		= Total Cov	-	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>0</u>	20% o	r total cover		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5)	20	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Typha latifolia	20	· · ·	OBL	
3. Verbena hastata	10	·	FACW	¹ Indicators of hydric soil and wetland hydrology must
4 Epilobium coloratum	10	· · ·	FACW	be present, unless disturbed or problematic.
5. Rumex crispus	10	·	FAC	Definitions of Four Vegetation Strata:
6. Phalaris arundinacea	10		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Symphyotrichum lateriflorum	10	· · ·	FACW	more in diameter at breast height (DBH), regardless of
8. Panicum virgatum	15	·	FAC	height.
g. Solidago altissima	10	· · ·	FACW	Sapling/Shrub – Woody plants, excluding vines, less
<u>10</u> Mentha spicata	5	· _ ·	FACW	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
				,
11	120	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 60	20% 0	f total cover	24	
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in
1,				height.
2			·	
3			·	
4				The described in
5				Hydrophytic Vegetation
	•	= Total Cov	ver	Present? Yes Ves No
50% of total cover:0	20% 0	f total cover	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

SOIL

Profile Desc	ription: (Describe t	o the dept	n needed to docun	nent the i	ndicator	or confirn	n the absence of	indicators	.)	
Depth	Matrix		Redox	K Features	S					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-2	10YR 4/2					<u> </u>	SIL			
2-18	10YR 5/2	80	7.5YR 4/6	20	С	Μ	SiL			
						·	<u> </u>			
						·				
·						·				
						. <u> </u>				
						·				
	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked	I Sand Gr	ains.	² Location: PL=I			3
Hydric Soil									olematic Hyd	
Histosol	. ,		Dark Surface	. ,					0) (MLRA 14	7)
	pipedon (A2)		Polyvalue Be				· <u> </u>		edox (A16)	
	stic (A3)		Thin Dark Su			147, 148)	•	ILRA 147,		
	en Sulfide (A4)		Loamy Gleye		F2)				dplain Soils (F	=19)
	d Layers (A5)		Depleted Mat	, ,				ILRA 136,		
	ıck (A10) (LRR N)		Redox Dark S	•	,				ark Surface (TF12)
·	d Below Dark Surface	e (A11)	Depleted Dar		. ,		Othe	r (Explain i	in Remarks)	
	ark Surface (A12)		Redox Depre	•	,					
-	lucky Mineral (S1) (L	RR N,	Iron-Mangane		es (F12) (LRR N,				
	A 147, 148)		MLRA 130				3			
	Bleyed Matrix (S4)		Umbric Surfa						rophytic vege	
	edox (S5)		Piedmont Flo						gy must be pr	
	Matrix (S6)		Red Parent M	iaterial (F	21) (MLR	A 127, 14	() unies	s disturbed	or problemat	IIC.
	Layer (if observed):									
Туре:										
Depth (inc	ches):						Hydric Soil Pr	esent?	Yes 🔽	No
Remarks:										

Photograph Page

Wetland ID <u>W-JM08</u> Cowardin Code <u>PEM</u> Date <u>10/20/20</u>



Photograph Number <u>485</u> Photograph Direction <u>SW</u>

Comments:



Photograph Number <u>486</u> Photograph Direction <u>SE</u>

Comments:



Photograph Number <u>487</u> Photograph Direction <u>NE</u>

Comments:



Photograph Number <u>488</u> Photograph Direction <u>NW</u>

Comments:



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Project/Site: Kensington	City/C	County. Columbiana		Sampling Date 10/	20/20
Applicant/Owner: Kensington PV I, LLC	Only (Sampling Point:_V	
Investigator(s): KMP JMM	Secti	on Township Bongo S2	3 T14N R4W		
Landform (hillslope				Clane (3-4
Landform (hillslope, terrace, etc.): Hillslope	Local rei		883076	Siope (%): <u>0 +</u>
Subregion (LRR or MLRA): LRRN	Lat:40.002015	Long: -00.	000070	Datum:	AD 05
Soil Map Unit Name: Gilpin-coshoctor					
Are climatic / hydrologic conditions on the site ty					
Are Vegetation, Soil, or Hydrolog	gy significantly distu	bed? Are "Normal	Circumstances"	present? Yes 🔽	No
Are Vegetation, Soil, or Hydrolog				ers in Remarks.)	
SUMMARY OF FINDINGS – Attach	site map showing san	npling point location	ns, transects	s, important feat	ures, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes Remarks: Cowpordin Code: URLAND	No No No	Is the Sampled Area within a Wetland?	Yes	No⁄	
Remarks: Cowardin Code: UPLAND	HGM	Water Type:			
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indic	ators (minimum of two	required)
Primary Indicators (minimum of one is required	t check all that apply)		Surface Soil		required
Surface Water (A1)	True Aquatic Plants (getated Concave Surf	aco (B8)
High Water Table (A2)	Hydrogen Sulfide Od		Drainage Pa	-	ace (DO)
Saturation (A3)		es on Living Roots (C3)	-		
Water Marks (B1)	Presence of Reduce			Water Table (C2)	
Sediment Deposits (B2)	Recent Iron Reduction		Crayfish Bui		
Drift Deposits (B3)	Thin Muck Surface (isible on Aerial Image	ery (C9)
Algal Mat or Crust (B4)	Other (Explain in Rei			Stressed Plants (D1)	,
Iron Deposits (B5)			Geomorphic	Position (D2)	
Inundation Visible on Aerial Imagery (B7)			Shallow Aqu	uitard (D3)	
Water-Stained Leaves (B9)			Microtopogr	aphic Relief (D4)	
Aquatic Fauna (B13)			FAC-Neutra	l Test (D5)	
Field Observations:	_				
	Depth (inches):				
	✓ Depth (inches):				
	Depth (inches):	Wetland H	ydrology Prese	nt? Yes N	lo
(includes capillary fringe) Describe Recorded Data (stream gauge, moni-	toring well, aerial photos, pre	vious inspections), if avai	able:		
	ioning from, donal priotoo, pro				
Remarks:					

Sampling Point:<u>W-JM08-UPL</u>

0.01	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30'</u>) 1	<u>% Cover</u>	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:0 (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>2</u> (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC:0 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of:Multiply by:
50% - () - () - ()		= Total Cov		OBL species x 1 =
50% of total cover: <u>0</u>	20% of	total cover:	0	FACW species x 2 =
Sapling/Shrub Stratum (Plot size: 15')				FAC species
1				
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				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)	35	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	-	<u> </u>	FACU	
2. Achillea millefolium	20	<u> </u>		¹ Indicators of hydric soil and wetland hydrology must
3. Symphyotrichum ericoides	15		FACU	be present, unless disturbed or problematic.
4. Andropogon virginicus	5		FACU	Definitions of Four Vegetation Strata:
5. Solidago spp	10		ND	
6. Daucus carota	10		UPL	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				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.5	5 20% of	total cover:	19	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
	<u> </u>	= Total Cov	er	Present? Yes No V
50% of total cover: 0	20% of	total cover:	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			
ND- species not determined.				

<u>inches)</u> 0-16	Matrix			x Feature				
0-16	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
	10YR 4/4	100					SIL	
							·	
	contration D Dan	lation DM	Reduced Matrix, MS	Maakaa			² Leastion: DL	Dara Lining M. Matrix
ydric Soil In		ieuon, Rivi=	Reduced Matrix, Ma	S=IVIASKed	I Sand Gra	ains.		=Pore Lining, M=Matrix. tors for Problematic Hydric Soils
•			Dark Surfage	(87)				•
_ Histosol (A1) Dark Surface (S7) _ Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147,							cm Muck (A10) (MLRA 147)	
Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148)						bast Prairie Redox (A16) (MLRA 147, 148)		
	Sulfide (A4)		Loamy Gleye		•	47, 140)		edmont Floodplain Soils (F19)
	_ayers (A5)		Depleted Ma		12)			(MLRA 136, 147)
_	k (A10) (LRR N)		Redox Dark S	()	6)			ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar		,			her (Explain in Remarks)
	k Surface (A12)	- ()	Redox Depre					
	cky Mineral (S1) (L	.RR N.	Iron-Mangan			LRR N,		
-	147, 148)	,	MLRA 13		· / ·			
	eyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ India	cators of hydrophytic vegetation an
Sandy Red			Piedmont Flo	odplain S	oils (F19)	(MLRA 14	8) wet	land hydrology must be present,
Stripped N			Red Parent N					ess disturbed or problematic.
estrictive La	yer (if observed):							
Type:								
Depth (inch	es):						Hydric Soil I	Present? Yes No 💆
							-	

Project/Site: Kensington	City/County: Columbiana	A	Sampling Date: 10/20/20		
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-JM09		
Investigator(s): JM, KP	Section, Township, Range: S14 T14N R4W				
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Linear Slope (%) Subregion (LRR or MLRA): LRRN Lat: 40.687470 Long: -80.880745 Datum: NA					
Soil Map Unit Name: Gilpin-Coshocton s	silt loams, 6 to 15 percent slop	es _{NWI classific}	cation: None		
Are climatic / hydrologic conditions on the site typic					
Are Vegetation, Soil, or Hydrology _	·		,		
Are Vegetation, Soil, or Hydrology _		d, explain any answe			
SUMMARY OF FINDINGS – Attach site	e map showing sampling point loca	tions, transects	s, important features, etc.		
Hydrophytic Vegetation Present? Yes	No Is the Sampled Are	•			
Hydric Soil Present? Yes			No		
Wetland Hydrology Present? Yes	No				
Remarks: Cowardin Code: PFO	HGM: Riverine Water Typ	e:			
HYDROLOGY					
Wetland Hydrology Indicators:	and all that any b		ators (minimum of two required)		
Primary Indicators (minimum of one is required; cl	Surface Soil	, ,			
Surface Water (A1)	True Aquatic Plants (B14)		getated Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	-	Drainage Patterns (B10) Moss Trim Lines (B16)		
Water Marks (B1)	Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Water Marks (B1) Presence of Reduced Iron (C4)				
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (C6)	Crayfish Bur	Water Table (C2)		
Drift Deposits (B3)					
	Other (Explain in Remarks)		isible on Aerial Imagery (C9) stressed Plants (D1)		
Iron Deposits (B5) Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3)					
Water-Stained Leaves (B9)		aphic Relief (D4)			
Aquatic Fauna (B13)		FAC-Neutral	l Test (D5)		
Field Observations:					
	Depth (inches):				
	Depth (inches):0				
	Depth (inches): 0 Wetlan	d Hydrology Preser	nt? Yes 🖌 No		
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring)	ng well, aerial photos, previous inspections), if a	available:			
, C					
Remarks:					

Sampling Point: W-JM09

, ,	Abaaluta	Dominant	Indiantar	Deminence Test werkehest		
Tree Stratum (Plot size: <u>30'</u>)	Absolute % Cover	Dominant Species?		Dominance Test worksheet:		
			FACW	Number of Dominant Species		
1. Fraxinus pennsylvanica	20			That Are OBL, FACW, or FAC: 0 (A)	
2. Carpinus caroliniana	20	<u> </u>	FAC	Total Number of Deminent		
3. Ulmus americana	20	~	FACW	Total Number of Dominant Species Across All Strata: 6 (B)	
		·		Species Across Air Strata (ы)	
4		·		Percent of Dominant Species		
5					A/B)	
6					,	
				Prevalence Index worksheet:		
7	60	·	·	Total % Cover of: Multiply by:		
		= Total Cov				
50% of total cover: <u>30</u>	20% of	total cover	12	OBL species x 1 =		
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =		
Carninus caroliniana	15	~	FAC	FAC species x 3 =		
	-	·		FACU species x 4 =		
2						
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		·		3 - Prevalence Index is $≤3.0^1$		
	15	= Total Cov	er		tin a	
50% of total cover: 7.5	20% of	total cover:	3	4 - Morphological Adaptations ¹ (Provide suppo	nung	
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)		
1. Symplocarpus foetidus	25	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain))	
		<u> </u>				
_{2.} Pilea pumila	5		FACW	1		
3. Impatiens capeniss	5		FACW	¹ Indicators of hydric soil and wetland hydrology must		
4 Polygonum virginianum	5	·	FAC	be present, unless disturbed or problematic.		
		·		Definitions of Four Vegetation Strata:		
5. Poa trivialis	25	 ✓ 	FACW			
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm		
				more in diameter at breast height (DBH), regardles	ss of	
7		·		height.		
8		·		Sapling/Shrub – Woody plants, excluding vines, le	229	
9				than 3 in. DBH and greater than or equal to 3.28 ft		
10.				m) tall.	`	
		· · · · · · · · · · · · · · · · · · ·				
11	05	·		Herb – All herbaceous (non-woody) plants, regard	less	
		= Total Cov		of size, and woody plants less than 3.28 ft tall.		
50% of total cover: <u>32.</u>	5 20% of	total cover:	13			
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft	in	
				height.		
1						
2						
3						
4						
		· · · · · · · · · · · · · · · · · · ·		Hydrophytic		
5		· - <u> </u>		Vegetation		
	0	= Total Cov	er	Present? Yes V No		
50% of total cover: 0	20% of	total cover:	0			
Remarks: (Include photo numbers here or on a separate s						
Remarks. (include photo numbers here of on a separate s	sneet.)					

SOIL

Depth	Matrix		Redo	x Features	S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	2.5Y 4/2	100						
3-18	2.5Y 5/2	80	7.5YR 4/6	20	С	M/PL	SIL	
						·		
		·				·		
		·					·	
		·						
	oncentration, D=Depl	letion, RM=	Reduced Matrix, MS	S=Masked	I Sand Gr	ains.		Pore Lining, M=Matrix.
Hydric Soil								s for Problematic Hydric Soils ³ :
Histosol	()		Dark Surface		(a -) (a			Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be					t Prairie Redox (A16)
	istic (A3)		Thin Dark Su			147, 148)	•	LRA 147, 148)
	en Sulfide (A4)		Loamy Gleye	,	F2)			mont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma	. ,			•	LRA 136, 147)
	uck (A10) (LRR N)		Redox Dark					Shallow Dark Surface (TF12)
·	d Below Dark Surface	e (A11)	Depleted Dar		. ,		Othe	r (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
-	/lucky Mineral (S1) (L	.RR N,	Iron-Mangan		es (F12) (LRR N,		
	A 147, 148)		MLRA 13				2	
	Gleyed Matrix (S4)		Umbric Surfa	. , .				ors of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo	•	. ,	•	•	d hydrology must be present,
	d Matrix (S6)		Red Parent N	Aaterial (F	21) (MLR	A 127, 147	') unless	disturbed or problematic.
	Layer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil Pre	esent? Yes 🔽 No
Remarks:								

Photograph Page

Wetland ID <u>W-JM09</u> Cowardin Code <u>PFO</u> Date <u>10/20/20</u>



Photograph Number <u>489</u> Photograph Direction North

Comments:



Photograph Number <u>490</u> Photograph Direction <u>West</u>

Comments:



Photograph Number 491

Photograph Direction East

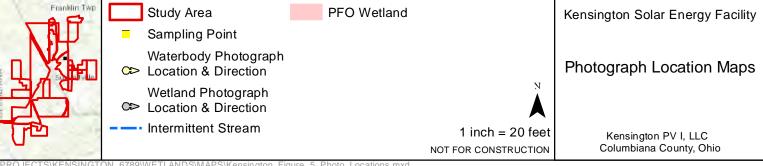
Comments:



Photograph Number 492 Photograph Direction South

Comments:





ROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington	City/County: Columb	iana	Sampling Date: 10/20/20			
Applicant/Owner: Kensington PV I, LLC		State. OH	Sampling Point: W-KP09 UP			
Investigator(s): JM, KP	Section, Township, Rai	nge [.] S14 T14N R4W				
Landform (hillslope, terrace, etc.): Hillslope		(ex none): Linear	Slope (%). 2-3			
Subregion (LRR or MLRA): LRRN Lat: 40.68						
Soil Map Unit Name: Gilpin-Coshocton silt Ioam	$\frac{1}{15}$ S for 15 percent s					
Are climatic / hydrologic conditions on the site typical for this tin						
Are Vegetation, Soil, or Hydrology sign	ficantly disturbed? Are "	Normal Circumstances" p	vresent? Yes <u>V</u> No			
Are Vegetation, Soil, or Hydrology natu	rally problematic? (If ne	eded, explain any answe	rs in Remarks.)			
SUMMARY OF FINDINGS – Attach site map sh	owing sampling point le	ocations, transects	, important features, etc.			
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No			No			
Remarks: Cowardin Code: UPLAND HGM:		Гуре:				
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)			
Primary Indicators (minimum of one is required; check all that	apply)	Surface Soil	Cracks (B6)			
Surface Water (A1) True Ac	quatic Plants (B14)					
High Water Table (A2) Hydroge	en Sulfide Odor (C1)	fide Odor (C1) Drainage Patterns (B10)				
Saturation (A3) Oxidize	d Rhizospheres on Living Root	ospheres on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Presend	ce of Reduced Iron (C4)					
Sediment Deposits (B2) Recent	Iron Reduction in Tilled Soils (0					
Drift Deposits (B3) Thin Mu	uck Surface (C7)		sible on Aerial Imagery (C9)			
Algal Mat or Crust (B4) Other (B	Explain in Remarks)	Stunted or St	tressed Plants (D1)			
Iron Deposits (B5)		Geomorphic	Position (D2)			
Inundation Visible on Aerial Imagery (B7)		Shallow Aqui	tard (D3)			
Water-Stained Leaves (B9)		Microtopogra	phic Relief (D4)			
Aquatic Fauna (B13)		FAC-Neutral	Test (D5)			
Field Observations:						
Surface Water Present? Yes No Depth						
	(inches):					
Saturation Present? Yes No _ Depth (includes capillary fringe)		tland Hydrology Presen	t? Yes No			
Describe Recorded Data (stream gauge, monitoring well, aeri	al photos, previous inspections), if available:				
Remarks:						
Nomuno.						

Sampling Point: W-KP09 UPL

	Abaaluta	Dominant	Indiactor	Dominance Test worksheet:	
Tree Stratum (Plot size: <u>30'</u>)	Absolute	Species?		Dominance Test worksneet:	
			FACU	Number of Dominant Species	
1. Quercus rubra	25	V		That Are OBL, FACW, or FAC: ((A)
2. Prunus serotina	35	~	FACU		
3. Quercus alba	20	~	FACU	Total Number of Dominant Species Across All Strata: 9 (
3			1/100	Species Across All Strata: 9 ((B)
4		. <u> </u>		Demonstrat Demonstration	
5				Percent of Dominant Species	
				That Are OBL, FACW, or FAC:	(A/B)
6		·		Prevalence Index worksheet:	
7					
	80	= Total Co	/or	Total % Cover of: Multiply by:	
50% of total cover: <u>40</u>		total cover		OBL species x 1 =	
4 5 1	20% 0	total cover			
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =	
_{1.} Prunus virginiana	30	~	FACU	FAC species x 3 =	
2. Rosa multiflora	15	~	FACU	FACU species x 4 =	
3. Lonicera tartarica	10	~	FACU	UPL species x 5 =	
4				Column Totals: (A)	(B)
4					``
5		·		Prevalence Index = B/A =	
6					
				Hydrophytic Vegetation Indicators:	
7		·		1 - Rapid Test for Hydrophytic Vegetation	
8					
9.				2 - Dominance Test is >50%	
9	55			3 - Prevalence Index is ≤3.0 ¹	
		= Total Co		4 - Morphological Adaptations ¹ (Provide suppo	orting
50% of total cover: 27.5	20% of	total cover	<u>. 11</u>		Jilling
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)	
1. Carex pennsylvanica	10	~	UPL	Problematic Hydrophytic Vegetation ¹ (Explain))
_{2.} Rosa multiflora	15	~	FACU		
3 Toxicodendron radicans	15	~	FAC	¹ Indicators of hydric soil and wetland hydrology mu	ust
·		·		be present, unless disturbed or problematic.	
4				Definitions of Four Vegetation Strata:	
5					
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm	n) or
6		·		more in diameter at breast height (DBH), regardles	
7				height.	
8					
-		· · ·		Sapling/Shrub – Woody plants, excluding vines, le	
9		·		than 3 in. DBH and greater than or equal to 3.28 ft	: (1
10.				m) tall.	
11					
	40	·		Herb – All herbaceous (non-woody) plants, regard	less
		= Total Co		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 20	20% of	total cover	. 8		
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft	in
				height.	
1					
2					
3					
4				Hydrophytic	
5				Hydrophytic	
0		· - <u></u>		Vegetation Present? Yes No 🗸	
		= Total Co	-	Present? Yes No V	
50% of total cover: 0	20% of	total cover	: <u>0</u>		
Remarks: (Include photo numbers here or on a separate s	hoot)				
	neet.)				

Profile Desc	cription: (Describe t	o the dep	th 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
0-4	10YR 4/2	100		SIL	
4-16	10YR 4/4	100		SIL	
	. <u> </u>				
		etion, RM=	=Reduced Matrix, MS=Masked Sand Grains.		=Pore Lining, M=Matrix.
Hydric Soil	Indicators:			Indica	tors for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 147,	148) Co	oast Prairie Redox (A16)
	istic (A3)		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	Pi	edmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)		ery Shallow Dark Surface (TF12)
-	d Below Dark Surface	(A11)	Depleted Dark Surface (F7)	Or	ther (Explain in Remarks)
Thick D	ark Surface (A12)		Redox Depressions (F8)		
	Mucky Mineral (S1) (L	RR N,	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148)		MLRA 136)	3	
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		cators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 14		land hydrology must be present,
	d Matrix (S6) Layer (if observed):		Red Parent Material (F21) (MLRA 127, 147) uni	ess disturbed or problematic.
	Layer (il observeu).				
Type:	-h).			Undria Call	
Depth (in	cnes):			Hydric Soil	Present? Yes No V
Remarks:					

Project/Site: Kensington		Citv/C	_{ounty:} Columbiana		Sampling Date: 10/20/20
Applicant/Owner: Kensington	PV I, LLC				Sampling Point: W-JM10
Investigator(s): JM, KP		Sectio	n, Township, Range: <u>S</u>	14 T14N R4W	
Landform (hillslope, terrace, etc.					Slope (%): 2-4
Subregion (LRR or MLRA): <u>LR</u>					Datum: NAD 83
Soil Map Unit Name: Westmo			o 15 percent slop		
Are climatic / hydrologic conditio					
Are Vegetation, Soil	, or Hydrology	significantly distur	bed? Are "Normal	I Circumstances" p	resent? Yes <u>V</u> No
Are Vegetation, Soil	, or Hydrology	naturally problema	tic? (If needed, e	explain any answe	s in Remarks.)
SUMMARY OF FINDING	S – Attach site m	nap showing sam	pling point location	ons, transects	, important features, etc.
Hydrophytic Vegetation Presen Hydric Soil Present? Wetland Hydrology Present?	t? Yes <u>✓</u> Yes <u>✓</u> Yes <u>✓</u>	No No No	Is the Sampled Area within a Wetland?	Yes 🖌	No
Remarks: Cowardin Coo	de: PEM	HGM: Riverine	Water Type:		
HYDROLOGY					
Wetland Hydrology Indicator					tors (minimum of two required)
Primary Indicators (minimum of	f one is required; chec			Surface Soil	. ,
Surface Water (A1)	—	True Aquatic Plants (I			etated Concave Surface (B8)
High Water Table (A2)	<u></u>	Hydrogen Sulfide Odd		Drainage Pat	
Saturation (A3)	<u> </u>		es on Living Roots (C3)	Moss Trim Li	
Water Marks (B1)	—	Presence of Reduced	. ,	-	Water Table (C2)
Sediment Deposits (B2)	—	Recent Iron Reduction		Crayfish Burr	
Drift Deposits (B3) Algal Mat or Crust (B4)		Thin Muck Surface (C Other (Explain in Ren			sible on Aerial Imagery (C9) ressed Plants (D1)
Iron Deposits (B5)	—			✓ Geomorphic	
Inundation Visible on Aeria	al Imagery (B7)			Shallow Aqui	()
Water-Stained Leaves (B9					phic Relief (D4)
Aquatic Fauna (B13)	,			FAC-Neutral	
Field Observations:					
Surface Water Present?	Yes No 🖌	Depth (inches):			
Water Table Present?	Yes No 🖌	Depth (inches):			
Saturation Present? (includes capillary fringe)	Yes No 🔽	Depth (inches):	Wetland H	Hydrology Presen	t? Yes 🖌 No
Describe Recorded Data (strea	am gauge, monitoring	well, aerial photos, pre-	vious inspections), if ava	ailable:	
Remarks:					

Sampling Point: W-JM10

201	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1. Acer rubrum	10	 ✓ 	FAC	That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: 5 (B)
4				
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6		·		Prevalence Index worksheet:
7	10	·		Total % Cover of: Multiply by:
		= Total Cove		OBL species x 1 =
50% of total cover:5	20% of	total cover:	2	
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				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is $\leq 3.0^{1}$
	0	= Total Cove	er	4 - Morphological Adaptations ¹ (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. Urtica dioica	15	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Pilea pumila	10	·	FACW	
3 Symplocarpus foetidus	15	· <u> </u>	OBL	¹ Indicators of hydric soil and wetland hydrology must
4 Polygonum pensylvanicum	20	·	FACW	be present, unless disturbed or problematic.
		· · · · · · · · · · · · · · · · · · ·		Definitions of Four Vegetation Strata:
5. Boehmeria cylindrica	15		FACW	Tree Meady plants evoluting vince 2 in (7.6 cm) or
6. Poa trivialis	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				
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				,
· · · · · · · · · · · · · · · · · · ·	85			Herb – All herbaceous (non-woody) plants, regardless
50% - () - (= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>42.</u>	<u>5</u> 20% 01	total cover:	17	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				
2				
3				
4				I hadron ha die
5				Hydrophytic Vegetation
	•	= Total Cove	-r	Present? Yes <u>V</u> No
50% of total cover: 0		total cover:		
		total 00101.		
Remarks: (Include photo numbers here or on a separate s	sneet.)			

SOIL

Profile Desc	ription: (Describe t	to the dept	h needed to docum	ent the i	ndicator	or confirm	the absence	of indicator	's.)	
Depth	Matrix			Feature	S					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-4	10YR 4/2	100					SIL			
4-18	2.5Y 5/2	85	7.5YR 5/6	15	С	M/PL	SIL			
						·				
						·	·			
		·				·				
						·		·		
	oncentration, D=Depl	letion RM-	Reduced Matrix MS	-Maskad	Sand Gr	ains	² Location: P	L=Pore Lining	a M-Matrix	
Hydric Soil				-maskee		um s .			blematic Hyd	ric Soils ³ :
Histosol			Dark Surface	(57)					10) (MLRA 14	
	bipedon (A2)		Polyvalue Bel	. ,	ce (S8) (N	II RA 147		Coast Prairie F	<i>,</i> .	")
Black Hi	• • • •		Thin Dark Sur		· / ·		140) <u> </u>	(MLRA 147	. ,	
	n Sulfide (A4)		Loamy Gleye			, . ,	F		, ., odplain Soils (F	-19)
	Layers (A5)		Depleted Mat		,			(MLRA 136	•	,
	ick (A10) (LRR N)		Redox Dark S	. ,	6)		V	•	, Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Darl						n in Remarks)	,
Thick Da	ark Surface (A12)		Redox Depres	ssions (F	B)					
Sandy M	lucky Mineral (S1) (L	.RR N,	Iron-Mangane	ese Mass	es (F12) (LRR N,				
MLRA	A 147, 148)		MLRA 136	5)						
Sandy G	eleyed Matrix (S4)		Umbric Surfac	ce (F13) (MLRA 13	6, 122)	³ Ind	licators of hyd	drophytic vege	tation and
Sandy R	edox (S5)		Piedmont Flo	Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present,						esent,
Stripped	Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	') un	less disturbe	d or problemat	ic.
Restrictive I	_ayer (if observed):									
Туре:										
Depth (ind	ches):						Hydric Soil	Present?	Yes 🖌	No
Remarks:										

Photograph Page

Wetland ID <u>W-JM10</u> Cowardin Code <u>PEM</u> Date <u>10/20/20</u>



Photograph Number <u>493</u> Photograph Direction <u>West</u>

Comments:



Photograph Number <u>494</u> Photograph Direction <u>South</u>

Comments:



Photograph Number 495

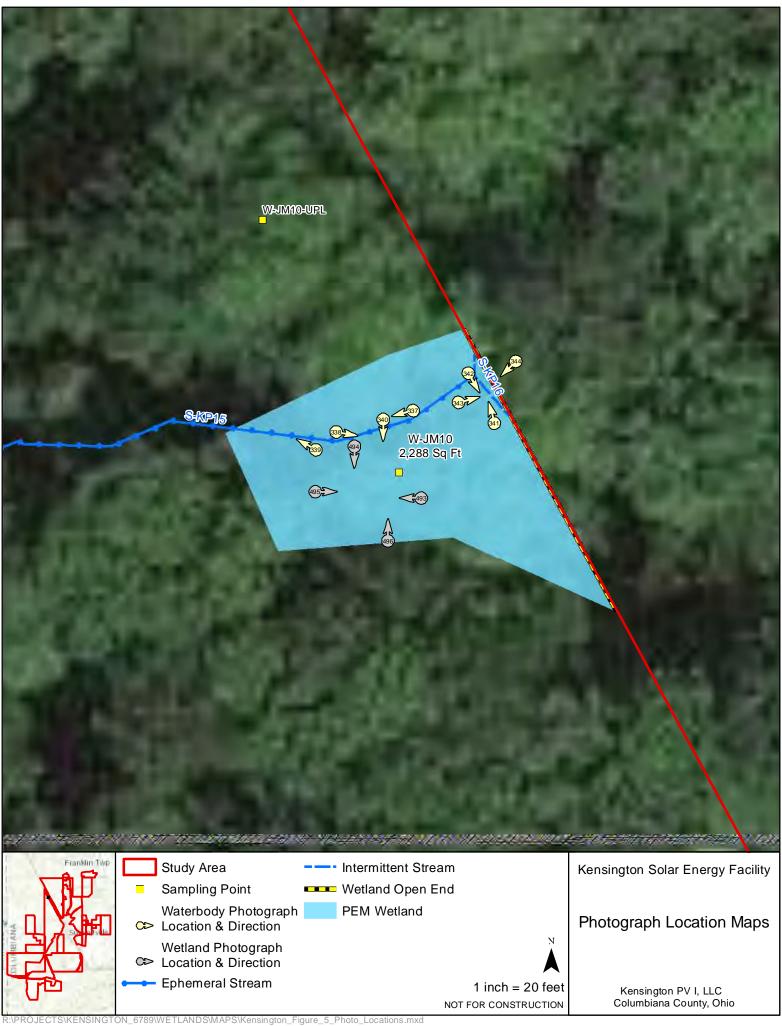
Photograph Direction East

Comments:



Photograph Number <u>496</u> Photograph Direction <u>North</u>

Comments:



Project/Site: Kensington	City/County:	Columbiana	Samplin	_{g Date:} 10/20/20						
Applicant/Owner: Kensington PV I, LLC				ling Point: W-JM10 UPL						
Investigator(s): JM, KP		wnship, Range: S14 T1	4N R4W							
Landform (hillslope, terrace, etc.): Hillslope	Local relief (co	ncave, convex, none): <u>C</u>	onvex	Slope (%): <u>2-5</u>						
Subregion (LRR or MLRA): LRRN	Lat: 40.693835	Long: -80.8962	22	Datum: NAD 83						
Soil Map Unit Name: Westmoreland-co	shocton silt loams, 8 to 15	percent slopes N	WI classification: <u>N</u>	one						
Are climatic / hydrologic conditions on the site	typical for this time of year? Yes	🖌 No (If no, e	explain in Remarks.)							
Are Vegetation, Soil, or Hydro	logy significantly disturbed?	Are "Normal Circun	nstances" present?	Yes 🖌 No						
Are Vegetation, Soil, or Hydro	logy naturally problematic?	(If needed, explain	any answers in Rem	narks.)						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.										
Hydrophytic Vegetation Present? Ye	esNo 🗸									
		e Sampled Area in a Wetland?	YesNo_	~						
Wetland Hydrology Present? Ye	es No		<u> </u>							

Water Type:

HGM:

HYDROLOGY

Remarks:

Cowardin Code: UPLAND

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) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water Stained Leaves (B9) Aquatic Fauna (B13) 	Dry-Season Water Table (C2)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No 🔽 Depth (inches):	
Saturation Present? Yes No <u>✓</u> Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	tions), if available:
Remarks:	

Sampling Point: W-JM10 UPL

	Absolute	Dominont	Indiaator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Dominant Species?		Dominance rest worksneet:
			FACU	Number of Dominant Species
1. Quercus rubra	30	<i>•</i>	FACU	That Are OBL, FACW, or FAC: 3 (A)
2. Acer rubrum	30	~	FAC	
3. Ulmus americana	20	~	FACW	Total Number of Dominant
3			1 /1011	Species Across All Strata: (B)
4				Demonst of Deminerat Creation
5				Percent of Dominant Species That Are OBL, FACW, or FAC:43(A/B)
6				Prevalence Index worksheet:
7			<u> </u>	
	80	= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover: 40		total cover		OBL species x 1 =
15	20% 01	IOIAI COVEI		
Saping/Shirub Stratum (Fiot size)				FACW species x 2 =
_{1.} Ulmus americana	20	~	FACW	FAC species x 3 =
2 Prunus virginiana	15	~	FACU	FACU species x 4 =
3. Lonicera tartarica	20	~	FACU	UPL species x 5 =
A Rosa multiflora	15	~	FACU	Column Totals: (A) (B)
"				
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				
··	70	Trial Or		3 - Prevalence Index is ≤3.0 ¹
25	-	= Total Co	· · · ·	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>35</u>	20% of	total cover	<u>.</u> 14	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')				
				Problematic Hydrophytic Vegetation ¹ (Explain)
1				
2			<u> </u>	
3				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
4				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				
				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.				
	0			Herb – All herbaceous (non-woody) plants, regardless
	_	= Total Co		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 0	20% of	total cover	: 0	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 Co		Present? Yes No 🖌
50% of total cover: 0	20% of	total cover	<u> </u>	
Remarks: (Include photo numbers here or on a separate s	heet.)			
1				

Profile Desc	cription: (Describe te	o the dept	h needed to docume	ent the indicat	or or confirm	the absence	of indicators.)	
Depth	Matrix		Redox I	Features				
(inches)	Color (moist)	%	Color (moist)	<u>%</u> Туре	1 Loc ²	Texture	Remarks	
0-4	10YR 4/2	100				SIL		
4-18	10YR 4/4	100				SIL		
								<u> </u>
		<u> </u>		<u> </u>				
				<u> </u>				
				<u></u>				
		<u> </u>						<u> </u>
¹ Type: C=C	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS=	=Masked Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil		,	,				ators for Problematic Hydric Soil	s ³ :
Histosol	(A1)		Dark Surface (S	S7)		2	cm Muck (A10) (MLRA 147)	
	pipedon (A2)		Polyvalue Belo	,	(MLRA 147.		Coast Prairie Redox (A16)	
	istic (A3)		Thin Dark Surfa	• •	•	, <u> </u>	(MLRA 147, 148)	
	en Sulfide (A4)		Loamy Gleyed		, , ,	P	Piedmont Floodplain Soils (F19)	
	d Layers (A5)		Depleted Matrix			·	(MLRA 136, 147)	
	uck (A10) (LRR N)		Redox Dark Su	. ,		V	ery Shallow Dark Surface (TF12)	
	d Below Dark Surface	(A11)	Depleted Dark	Other (Explain in Remarks)				
·	ark Surface (A12)	()	Redox Depressions (F8)					
	/lucky Mineral (S1) (L l		Iron-Manganes	· ,				
	A 147, 148)	,	MLRA 136)	•	.) (=,			
	Gleyed Matrix (S4)		Umbric Surface		136, 122)	³ Ind	licators of hydrophytic vegetation a	nd
	Redox (S5)		Piedmont Floor				etland hydrology must be present,	i i a
	Matrix (S6)		Red Parent Ma	•	<i>,</i> .	•	less disturbed or problematic.	
	Layer (if observed):					/ 41		
Type:								
						Undria Cail	Present? Yes No	~
	ches):					Hydric Soil	Present? fes No	
Remarks:								

Project/Site: Kensington	City/County: Columbiana	Sampling Date: 10/21/20				
Applicant/Owner: Kensington PV I, LLC	, ,	State: OH Sampling Point: W-JM11				
Investigator(s): <u>JM, KP</u>	4 T14N R4W					
Landform (hillslope, terrace, etc.): HIllslope	Local relief (concave, convex, none	e): Concave Slope (%): 3-6				
Subregion (LRR or MLRA): LRRN	Lat: 40.691508 Long: -80.8	879631 Datum: NAD 83				
Soil Map Unit Name: Berks channery si	Lat: <u>40.691508</u> It loam, 15 to 25 percent slopes	NWI classification: None				
Are climatic / hydrologic conditions on the site typic	cal for this time of year? Yes No (I	f no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Normal (Circumstances" present? Yes 🔽 No				
Are Vegetation, Soil, or Hydrology	naturally problematic? (If needed, e>	xplain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach sit	e map showing sampling point location	ns, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes	Is the Sampled Area					
	No within a Wetland?	Yes 🖌 No				
Wetland Hydrology Present? Yes	▶ No					
	HGM: Riverine Water Type:					
Heavy rain prior 48 Hours						
HYDROLOGY						
Wetland Hydrology Indicators:	-	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; o	heck all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1)		Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)				
Saturation (A3)	✓ Oxidized Rhizospheres on Living Roots (C3)	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)	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 <u>V</u> No _	Depth (inches):0					
	Depth (inches):0 Wetland Hy	ydrology Present? Yes 🔽 No				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous inspections), if avail	able:				
Remarks:						

Sampling Point: W-JM11

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: <u>W-JM11</u>	
30'			nt Indicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size: <u>30'</u>) 1	<u>% Cover</u>			Number of Dominant Species That Are OBL, FACW, or FAC:3	(A)
2				Total Number of Dominant	
3 4				Species Across All Strata:3	(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100%	(A/B)
6				Development in development of	. ,
7				Prevalence Index worksheet:	
		= Total Co		Total % Cover of: Multiply by:	
50% of total cover: <u>0</u>	20% of	total cove	er: <u>0</u>	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				✓ 2 - Dominance Test is >50%	
9				3 - Prevalence Index is $≤3.0^1$	
		= Total Co	-	4 - Morphological Adaptations ¹ (Provide sup	porting
50% of total cover: 0	20% of	total cove	er: <u>0</u>	data in Remarks or on a separate sheet)	
<u>Herb Stratum</u> (Plot size: <u>5</u>) 1. Polygonum pensylvanicum	20	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explai	n)
2. Pilea pumila	25	~	FACW		
3 Lysimachia nummularia	30	~	FACW	¹ Indicators of hydric soil and wetland hydrology n	nust
A Scirpus polyphyllus	5		OBL	be present, unless disturbed or problematic.	
n				Definitions of Four Vegetation Strata:	
5				Tree – Woody plants, excluding vines, 3 in. (7.6 d	cm) or
6 7				more in diameter at breast height (DBH), regardle height.	
8				Sapling/Shrub – Woody plants, excluding vines,	less
9 10.				than 3 in. DBH and greater than or equal to 3.28 m) tall.	
11.				Herb All berbasseus (non woody) plants, regar	dlaga
		= Total Co		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	uless
50% of total cover: <u>40</u> <u>Woody Vine Stratum</u> (Plot size: <u>15'</u>)		total cove	er: 10	Woody vine – All woody vines greater than 3.28 height.	ft in
1 2					
3					
4				Hydrophytic	
5				Vegetation	
	^	= Total Co	over	Present? Yes <u>V</u> No	
50% of total cover: 0	20% of	total cove	er: <u>0</u>		
Remarks: (Include photo numbers here or on a separate s	heet.)				

SOIL

Depth	Matrix		Redox	k Feature	S					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks			
0-6	10YR 4/2	100					GRSIL			
6-20	10YR 5/2	80	7.5YR 4/6	20	С	M/PL	GRCL			
·							·			
							· · · · · · · · _ · _ · _ · · _ ·			
							·			
¹ Type: C=C	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked	I Sand Gra	ains.	² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil	Indicators:						Indicators for Problematic Hydric Soils			
Histosol	· · /		Dark Surface	. ,			2 cm Muck (A10) (MLRA 147)			
	pipedon (A2)		Polyvalue Be		· / ·					
	istic (A3)		Thin Dark Su			47, 148)	(MLRA 147, 148)			
	en Sulfide (A4)		Loamy Gleye		F2)		Piedmont Floodplain Soils (F19)			
	d Layers (A5)		Depleted Mat	. ,	·c)		(MLRA 136, 147) Very Shallow Dark Surface (TF12)			
	uck (A10) (LRR N) d Below Dark Surface	(()11)	Redox Dark S Depleted Dar	`	,		Other (Explain in Remarks)			
	ark Surface (A12)	(ATT)	Redox Depre							
	/ucky Mineral (S1) (L	RR N.	Iron-Mangane		,	LRR N.				
-	A 147, 148)	,	MLRA 136			,				
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Indicators of hydrophytic vegetation and			
	Redox (S5)		Piedmont Flo							
Stripped	d Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	7) unless disturbed or problematic.			
Restrictive	Layer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Present? Yes 🖌 No			
Remarks:										

Photograph Page

Wetland ID <u>W-JM11</u> Cowardin Code <u>PEM</u> Date <u>10/21/20</u>



Photograph Number <u>497</u> Photograph Direction <u>NW</u>

Comments:



Photograph Number <u>498</u> Photograph Direction <u>SE</u>

Comments:



Photograph Number <u>499</u> Photograph Direction <u>SW</u>

Comments:



Photograph Number 500
Photograph Direction NE

Comments:



R:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington	Citv/Cour	_{ntv:} Columbiana		Sampling Date: <u>10/21/20</u>		
Applicant/Owner: Kensington PV I, LLC	,		_{State:} OH	Sampling Point: W-JM11 UF		
Investigator(s): JM, KP	Section	Township, Range: S14	T14N R4W			
Landform (hillslope, terrace, etc.): Hillslope			Convex	Class (0(), 3-6		
Subregion (LRR or MLRA): LRRN Lat: 4	$\frac{0.091371}{m}$ 15 to 25 pc			Datum: NAD 83		
Soil Map Unit Name: Berks channery silt loa						
Are climatic / hydrologic conditions on the site typical for the	his time of year? Yes	✓ No (If	no, explain in R	emarks.)		
Are Vegetation, Soil, or Hydrology	significantly disturbed	Are "Normal C	ircumstances" p	present? Yes 🔽 No		
Are Vegetation, Soil, or Hydrology	naturally problematic	? (If needed, exp	lain any answe	rs in Remarks.)		
SUMMARY OF FINDINGS – Attach site map	o showing sampl	ing point location	s. transects	important features, etc.		
Hydrophytic Vegetation Present? Yes		the Sampled Area				
Hydric Soil Present? Yes	Now	ithin a Wetland?	Yes	No 🖌		
Wetland Hydrology Present? Yes	No					
HYDROLOGY						
Wetland Hydrology Indicators:		S	econdary Indica	tors (minimum of two required)		
Primary Indicators (minimum of one is required; check a	ll that apply)		Surface Soil			
	ue Aquatic Plants (B14			getated Concave Surface (B8)		
	/drogen Sulfide Odor (
	-	ospheres on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Pr	esence of Reduced Irc	on (C4)	Dry-Season Water Table (C2)			
Sediment Deposits (B2) Re	ecent Iron Reduction ir		Crayfish Bur			
	in Muck Surface (C7)			sible on Aerial Imagery (C9)		
	her (Explain in Remar			tressed Plants (D1)		
Iron Deposits (B5)			_ Geomorphic			
Inundation Visible on Aerial Imagery (B7)		_	_ Shallow Aqu			
Water-Stained Leaves (B9)		—		aphic Relief (D4)		
Aquatic Fauna (B13)			_ FAC-Neutral	Test (D5)		
Field Observations: Surface Water Present? Yes No D	anth (inches);					
				nt? Yes No_ 🖌		
Saturation Present? Yes No V D (includes capillary fringe)	eptn (inches):	wettand Hyd	arology Preser	t? Yes No✔		
Describe Recorded Data (stream gauge, monitoring well	l, aerial photos, previo	us inspections), if availa	ble:			
Remarks:						

Sampling Point: W-JM11 UPL

. ,	Abaaluta	- Deminent	la dia atau	Deminence Test worksheet
Tree Stratum (Plot size: 30')	Absolute	Dominant Species?		Dominance Test worksheet:
1 Ulmus americana			FACW	Number of Dominant Species That Are OBL_EACW_or EAC: 2 (A)
··	30			That Are OBL, FACW, or FAC: (A)
2. Acer rubrum	25	<u> </u>	FAC	Total Number of Dominant
3. Quercus rubra	20	~	FACU	Species Across All Strata: 6 (B)
4				(=)
		·	·	Percent of Dominant Species
5				That Are OBL, FACW, or FAC:33 (A/B)
6				Prevalence Index worksheet:
7				
	75	= Total Cov	ver	Total % Cover of: Multiply by:
50% of total cover: <u>37.5</u>	20% of	total cover	15	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
	25		FACU	FAC species x 3 =
1. Rosa multiflora	20	~	FACU	
2				FACU species x 4 =
3				UPL species x 5 =
			·	Column Totals: (A) (B)
4		·	·	(-)
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 $≤3.0^1$
	25	= Total Cov	/er	
50% of total cover: 12.5	5 20% of	total cover	5	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Phytolacca americana	25	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	-	·		
2. Ageratina altissima	15	~	FACU	¹ Indiantara of hydria and yotland hydrology myst
_{3.} Rumex crispus	10		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
⁴ Potentilla simplex	10		FACU	
5. Polygonum pensylvanicum	5	·	FACW	Definitions of Four Vegetation Strata:
5		·	FACW	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
	65	= Total Cov	/er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>32.5</u>		total cover		· · · · · · · · · · · · · · · · · · ·
4 5 1				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	ver	Present? Yes No V
50% of total cover: 0	20% of	total cover	0	
Remarks: (Include photo numbers here or on a separate s				
Remarks. (include photo numbers here of on a separate s	neet.)			

Depth	Matrix	to the dept		x Features			n the absence of indicators.)			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>		Loc ²	Texture Remarks			
0-5	10YR 4/2	100					SIL			
5-16	2.5Y 5/4	100					SIL			
						·		—		
		· <u> </u>						—		
		· ·					· · · · · · · · _ · _ · _ · · _ · · _ ·	—		
		· ·				<u> </u>				
		· ·								
		· ·	,				- <u></u> <u></u>			
		· <u> </u>				<u> </u>		—		
<u> </u>										
	oncentration, D=Depl	letion, RM=I	Reduced Matrix, MS	3=Masked	Sand Gra	iins.	² Location: PL=Pore Lining, M=Matrix.			
Hydric Soil I							Indicators for Problematic Hydric Soils ³ :			
<u> </u>			Dark Surface	. ,			2 cm Muck (A10) (MLRA 147)			
Black Hi	pipedon (A2)		Polyvalue Be		· / ·		, 148) Coast Prairie Redox (A16) (MLRA 147, 148)			
	n Sulfide (A4)		Loamy Gleye	. ,	•	47, 140)	Piedmont Floodplain Soils (F19)			
	Layers (A5)		Depleted Mat	,	12)		(MLRA 136, 147)			
	ck (A10) (LRR N)		Redox Dark S	. ,	6)		Very Shallow Dark Surface (TF12)			
	Below Dark Surface	e (A11)	Depleted Dar	•	,		Other (Explain in Remarks)			
Thick Da	ark Surface (A12)		Redox Depre	ssions (F	8)					
Sandy M	lucky Mineral (S1) (L	.RR N,	Iron-Mangan	ese Masse	es (F12) (l	.RR N,				
	147, 148)		MLRA 13							
	leyed Matrix (S4)		Umbric Surfa				³ Indicators of hydrophytic vegetation and			
	edox (S5)		Piedmont Flo	•	, ,	•				
	Matrix (S6) ayer (if observed):		Red Parent N	laterial (F	21) (MLR/	A 127, 147	7) unless disturbed or problematic.			
	ayer (il observed).									
Type:	2hoo);						Hydric Soil Present? Yes No 🗸			
Depth (ind							Hydric Soli Fresent? Tes No			
Remarks:										
Remarks:										

Project/Site: Kensington	Citv/Cou	_{ntv:} Columbiana		Sampling Date: 10/21/20
Project/Site: Kensington Applicant/Owner: Kensington PV I, LLC		,		Sampling Point: W-JM12
Investigator(s): JM, KP	Section,	Township, Range: S1	4 T14N R4W	
Landform (hillslope, terrace, etc.): Hillslope	Local relief	(concave, convex, nor	ne): Concave	Slope (%): <u>3-6</u>
Subregion (LRR or MLRA): LRRN Lat:				Datum: NAD 83
Soil Map Unit Name: Berks channery silt lo				
Are climatic / hydrologic conditions on the site typical for	or this time of year? Yes	✓ No (If no, explain in Re	emarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed	d? Are "Normal	Circumstances" p	resent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology			xplain any answer	
SUMMARY OF FINDINGS – Attach site m				
				•
Hydrophytic Vegetation Present? Yes Ves		the Sampled Area		
	Now	vithin a Wetland?	Yes 🔽	No
Remarks: Cowardin Code: PEM Heavy rain prior 48 Hours Down trees are from recent logging activity	HGM: Riverine	Water Type:		
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; chec	k all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B1-	4)	Sparsely Veg	etated Concave Surface (B8)
✓ High Water Table (A2)	Hydrogen Sulfide Odor ((C1)	Drainage Pat	terns (B10)
Saturation (A3)	Oxidized Rhizospheres	on Living Roots (C3)	Moss Trim Li	nes (B16)
Water Marks (B1)	Presence of Reduced Ire	on (C4)	Dry-Season \	Vater Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in	n Tilled Soils (C6)	Crayfish Burr	ows (C8)
	Thin Muck Surface (C7)		Saturation Vision	sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remar	ˈks)		ressed Plants (D1)
Iron Deposits (B5)			Ceomorphic	
Inundation Visible on Aerial Imagery (B7)			Shallow Aqui	
Water-Stained Leaves (B9)				phic Relief (D4)
Aquatic Fauna (B13)			FAC-Neutral	Test (D5)
Field Observations:				
Surface Water Present? Yes No				
Water Table Present? Yes <u>Ves</u> No				
	Depth (inches): 0	Wetland H	lydrology Presen	t? Yes 🖌 No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring v	vell, aerial photos, previo	us inspections), if avai	ilable:	
	· · · · , · · · · · · · · · · · · · · ·	,		
Remarks:				

Sampling Point: W-JM12

	Absoluto	• Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 4 (A)
2				
				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5		<u></u>		That Are OBL, FACW, or FAC: 100% (A/B)
6				Prevalence Index worksheet:
7				
	0	= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover:0	20% of	f total cove	r: <u>0</u>	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				\checkmark 2 - Dominance Test is >50%
9.				
	0	= Total Co	ver	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:0		f total cover	•	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Polygonum pensylvanicum	20	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Boehmeria cylindrica	20	·	FACW	
				¹ Indicators of hydric soil and wetland hydrology must
3. Symplocarpus foetidus	15	- <u> </u>	OBL	be present, unless disturbed or problematic.
4. Scirpus polyphyllus	20	<u> </u>	OBL	Definitions of Four Vegetation Strata:
5. Poa trivialis	20		FACW	
6. Impatiens capensis	10		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				noight.
				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	4.05			Herb – All herbaceous (non-woody) plants, regardless
		= Total Co	ver	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>52.</u>	<u> </u>	f total cove	r <u>: 21</u>	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1		<u> </u>		
2				
3				
4				
5				Hydrophytic Vegetation
- J	0			Present? Yes V No
50% of total cover: 0		= Total Co f total cover	-	
Remarks: (Include photo numbers here or on a separate s	sneet.)			

SOIL

Profile Desc	ription: (Describe t	to the dept	h needed to docun	nent the i	ndicator	or confirn	n the absence o	of indicators.)
Depth	Matrix		Redo	x Features	6			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/2	100				·	GRSIL	
8-18	10YR 5/2	80	7.5YR 4/6	100	С	М	GRCL	
						·		
						·	·	
							<u> </u>	
·						·		
						·		
						·	·	
						·	<u> </u>	
	oncentration, D=Depl	letion, RM=	Reduced Matrix, MS	S=Masked	Sand Gr	ains.		=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicat	tors for Problematic Hydric Soils ³ :
Histosol	. ,		Dark Surface	· ,				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		. , .		· · —	oast Prairie Redox (A16)
Black Hi	. ,		Thin Dark Su	. ,	•	147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye		F2)		Pie	edmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Mat	trix (F3)				(MLRA 136, 147)
2 cm Mu	ick (A10) (LRR N)		Redox Dark S	Surface (F	6)		Ve	ery Shallow Dark Surface (TF12)
Depleted	d Below Dark Surface	e (A11)	Depleted Dar	k Surface	(F7)		Otl	her (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8	3)			
	lucky Mineral (S1) (L	.RR N,	Iron-Mangane		,	LRR N,		
MLRA	A 147, 148)		MLRA 13	6)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (MLRA 13	6, 122)	³ Indic	cators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo	•	, ,	•	•	land hydrology must be present,
	Matrix (S6)		Red Parent M	Aaterial (F	21) (MLR	A 127, 14	7) unle	ess disturbed or problematic.
Restrictive I	_ayer (if observed):							
Туре:								
Depth (ind	ches):						Hydric Soil F	Present? Yes 🖌 No
Remarks:							•	

Photograph Page

Wetland ID <u>W-JM12</u> Cowardin Code <u>PEM</u> Date <u>10/21/20</u>



Photograph Number <u>501</u> Photograph Direction East

Comments:



Photograph Number <u>502</u> Photograph Direction North

Comments:



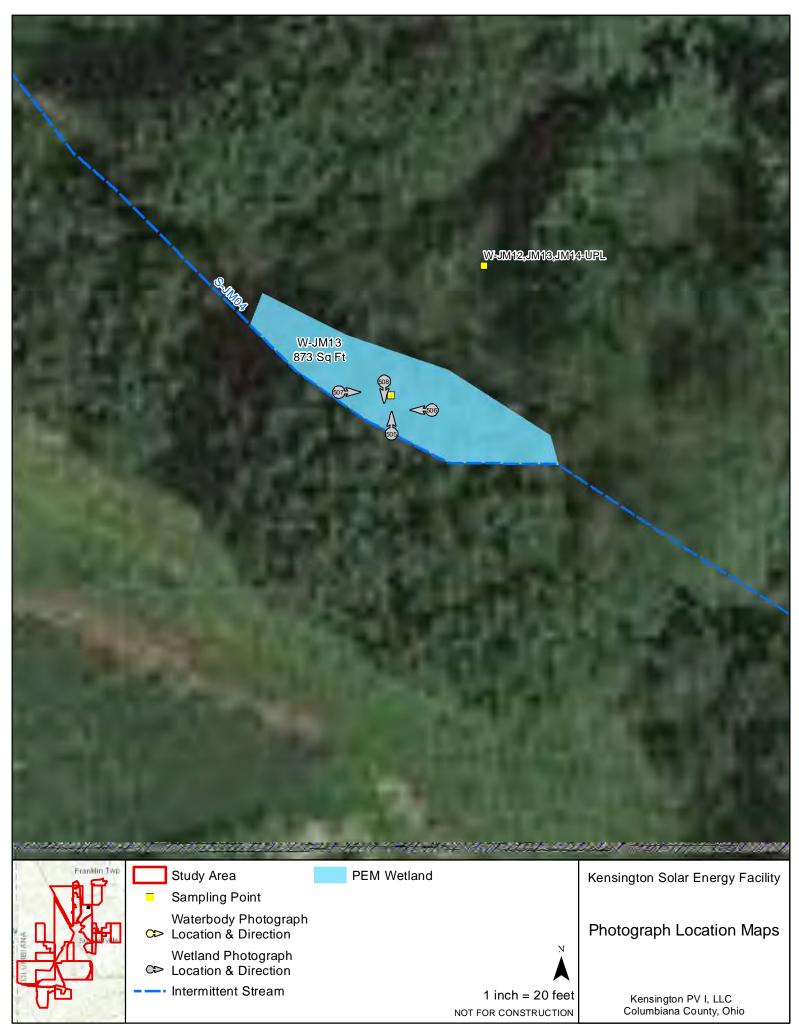
Photograph Number 503 Photograph Direction West

Comments:



Photograph Number 504 Photograph Direction South

Comments:



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Project/Site: Kensington	City/County: Columb	piana	Sampling Date: 10/21/20			
Applicant/Owner: Kensington PV I, LLC			_ Sampling Point: W-JM13			
	Section, Township, Ra		_			
	Local relief (concave, con		Slope (%): 3-6			
Subregion (LRR or MLRA): LRRN La	_{t:} 40.692787 Lon	_{lg:} -80.881026	Datum: NAD 83			
Soil Map Unit Name: Coshocton silt loam	6 to 15 percent slopes	NWI classifica	ation: None			
Are climatic / hydrologic conditions on the site typical	for this time of year? Yes No	(If no, explain in Re	emarks.)			
Are Vegetation, Soil, or Hydrology						
Are Vegetation, Soil, or Hydrology		eeded, explain any answer				
SUMMARY OF FINDINGS – Attach site						
		,,	, p			
Hydrophytic Vegetation Present? Yes	Is the Sampleo					
Hydric Soil Present? Yes 🗸		nd? Yes 🔽	No			
Wetland Hydrology Present? Yes V	No					
Remarks: Cowardin Code: PEM	HGM: Riverine Water	Туре:				
Heavy rain prior 48 Hours						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicat	tors (minimum of two required)			
Primary Indicators (minimum of one is required; che	ck all that apply)	Surface Soil 0	Cracks (B6)			
Surface Water (A1)	_ True Aquatic Plants (B14)	Sparsely Veg	Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)	_ Hydrogen Sulfide Odor (C1)	Drainage Patt	terns (B10)			
Saturation (A3)	_ Oxidized Rhizospheres on Living Root	s (C3) Moss Trim Lir	Moss Trim Lines (B16)			
	Presence of Reduced Iron (C4)	Dry-Season V	Vater Table (C2)			
Sediment Deposits (B2)	_ Recent Iron Reduction in Tilled Soils (C6) Crayfish Burre	ows (C8)			
Drift Deposits (B3)	_ Thin Muck Surface (C7)		sible on Aerial Imagery (C9)			
	Other (Explain in Remarks)		ressed Plants (D1)			
Iron Deposits (B5)		Ceomorphic F	. ,			
Inundation Visible on Aerial Imagery (B7)		Shallow Aquit				
Water-Stained Leaves (B9)		Microtopogra	phic Relief (D4)			
Aquatic Fauna (B13)		FAC-ineutral	Test (D5)			
Field Observations: Surface Water Present? Yes No	_ Depth (inches):					
	_ Depth (inches):					
		tion of the dual a my Dual and				
Saturation Present? Yes No		etland Hydrology Present	t? Yes <u>/</u> No			
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspections	s), if available:				
Remarks:						

Sampling Point: W-JM13

, , , , , , , , , , , , , , , , , , ,	Abcoluto	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30')		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC:3 (A)
2				
3				Total Number of Dominant 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:
		= Total Cov		OBL species x 1 =
50% of total cover:0	20% o	f total cover	: 0	
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				/.
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
				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: <u>0</u>	20% o	f total cover	: 0	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')	25	,		Problematic Hydrophytic Vegetation ¹ (Explain)
1. Polygonum pensylvanicum	25	<u> </u>	FACW	
2. Boehmeria cylindrica	25	 ✓ 	FACW	1. Research to the set and united by declary much
3. Bidens frondosa	10		FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Rumex crispus	15	~	FAC	
5. Poa trivialis	10		FACW	Definitions of Four Vegetation Strata:
6. Scirpus polyphyllus	10		OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Ranunculus hispidus	10		FACW	more in diameter at breast height (DBH), regardless of
				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
	105	= Total Cov	ver	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>52</u> .	<u>5</u> 20% o	f total cover	: 21	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				
2				
3				
4				
5				Hydrophytic
J	0	Tatal Ca	<u> </u>	Vegetation Present? Yes V No
50% of total cover: 0		= Total Cov f total cover	•	
Remarks: (Include photo numbers here or on a separate	sheet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix			x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remain	rks
0-7	10YR 5/3	100					SIL	
7-18	10YR 5/2	90	7.5YR 4/6	10	С	М	GRCL	
						·		
						·		
¹ Type: C=Co	oncentration, D=Depl	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gr	ains.	² Location: PL=Pore Lining, M=Ma	trix.
Hydric Soil		1	,				Indicators for Problemation	
Histosol	(A1)		Dark Surface	(S7)			2 cm Muck (A10) (MLF	RA 147)
Histic Ep	pipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147,	148) Coast Prairie Redox (A	(16)
Black Hi	stic (A3)		Thin Dark Su	rface (S9)	(MLRA	47, 148)	(MLRA 147, 148)	
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (F2)		Piedmont Floodplain S	oils (F19)
Stratified	l Layers (A5)		Depleted Mat	rix (F3)			(MLRA 136, 147)	
	ick (A10) (LRR N)		Redox Dark S				Very Shallow Dark Sur	· · ·
	Below Dark Surface	e (A11)	Depleted Dar				Other (Explain in Remain Control of the second s	arks)
	ark Surface (A12)		Redox Depre		,			
	lucky Mineral (S1) (L	RR N,	Iron-Mangane		es (F12) (LRR N,		
	A 147, 148)		MLRA 130			0.400	31. disertence of headware budie	and the Constant of
	ileyed Matrix (S4)		Umbric Surfa				³ Indicators of hydrophytic	•
	edox (S5) Matrix (S6)		Piedmont Flo	•	. ,	•		
	ayer (if observed):			iateriai (F		A 127, 14) diffess disturbed of prob	
Type:								
Depth (ind	ches):						Hydric Soil Present? Yes	No
Remarks:	,							

Photograph Page

Wetland ID <u>W-JM13</u> Cowardin Code <u>PEM</u> Date <u>10/21/20</u>



Photograph Number <u>505</u>

Photograph Direction North

Comments:



Photograph Number <u>506</u> Photograph Direction West

Comments:



Photograph Number 507

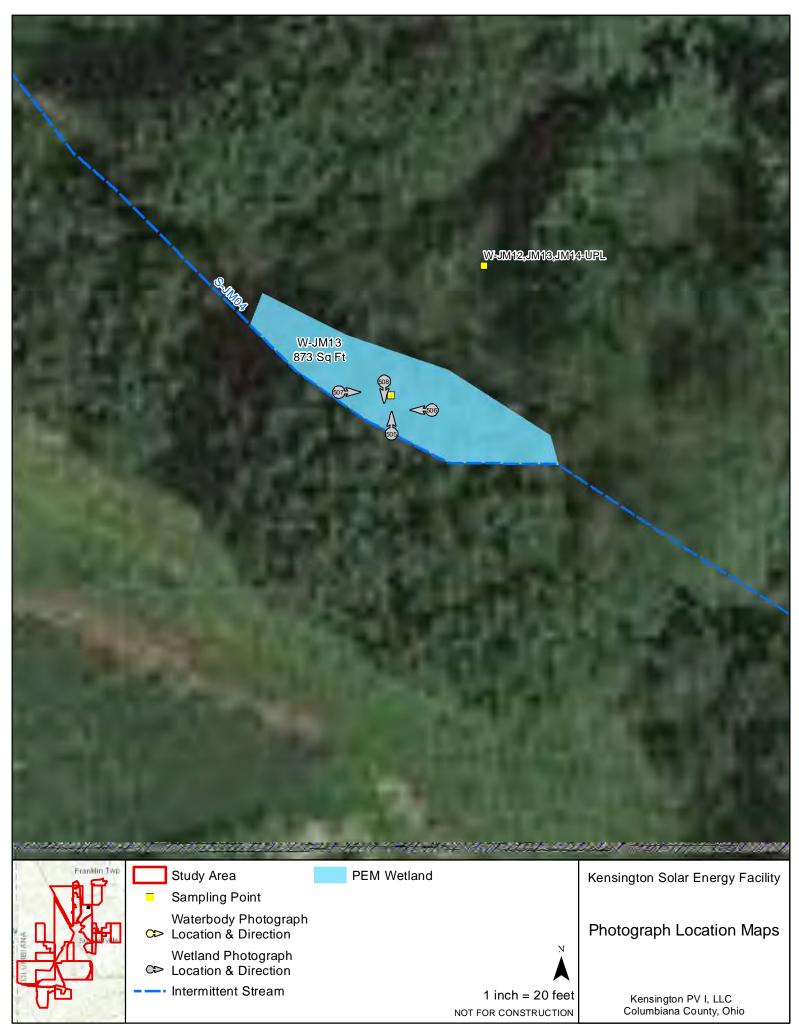
Photograph Direction East

Comments:



Photograph Number 508 Photograph Direction South

Comments:



R:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

pplcant/Owner: Kensington PV I, LLCState: OHSampling Point: W-MK2_MK13_MK14U vestigator(S): <u>MM, KPSection</u> , Township, Range, S14 T14N R4WSection, Township, Range, S14 T14N R4WSigner(S); <u>3-6</u> undform (hillstope, terrace, etc.); <u>Hillstope</u> Local relief (concave, convex, none); <u>CONVex</u> Slope (%); <u>3-6</u> atom (MRA): <u>LRR</u> NLat: 40.692860S00NoNo e dimatic / hydrologic conditions on the site typical for this time of year? Yes No (fine-adds, cipital any answers in Remarks.) s VegetationSoilor Hydrologynaturally problematic? (fine-add, cipital any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. tydrophytic Vegetation Present? YesNo is the Sampled Area within a Wetland? YesNoNo	Project/Site: Kensington				C:t. /C		umbiana		Compling Date	. 10/21/20		
vestigator(s): JM, KP Section, Township, Range; S14 T14N R4W undform (hilslope, terrace, etc.): Lingle	Application Kensington	on PV I. I	LC			ounty: <u></u>						
indom (hilistope, terrace, etc.): Hillstope Local relief (concave, convex, none): ConVex Stope (%); 3-6 ibregion (LRR or MLRA): LRR N Lat: 40.692860 Long: 80.80955 Datum: NAD 83 all Map Unit Name: Coshocton Silt Ioam, 6 to 15 percent slopes NWI classification: None e Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No e Vegetation Soil or Hydrology ising fail and y answers in Remarks.) BUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrologiv Present? Yes No within a Wetland? Yes No ✓ Ydrologiv Present? Yes No within a Wetland? Yes No ✓ Ydratah Hydrology Indicators: No within a Wetland? Yes No ✓ Surface Water (A1)		<u></u>					- 5'	_ State: <u>011</u> 14 T14N R4W	Sampling Po	lint: <u> </u>		
bingion (LRR or MLRA): LRRN Lat: 40.692860 Long: -60.880955 Datum: NAD 83 ill Map Unit Name: Coshocton site loarn, 6 to 15 percent slopes NWU classification: None e clinatic / hydrologic conditions on the site typical for this time of year? Yes ✓ No (ff no explain in Remarks.) e Vegetation, Soil, or Hydrology naturally problematic? (ff needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No		Lillo	lono		_ Sectio	on, Township	, Range: <u>O</u>					
bill Map Unit Name: Coshocton silt Ioam, 6 to 15 percent slopes NWt classification: None e dimatic / hydrologic conditions on the site typical for this time of year? Yes No (if no, explain in Remarks.) a Vegetation Soil or Hydrology alguificantly disturbed? Are "Normal Circumstances" present? Yes No get degetation Present? Yes No If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. tydrophytic Vegetation Present? Yes No yes No Is the Sampled Area within a Wetland? ydrophytic Vegetation Code: UPLAND HGM: Water Type: VDROLOGY Vestand Hydrology Indicators: Surface Water (A1)												
e dimatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) e Vegetation Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No a Vegetation Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) BUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes No is the Sampled Area within a Wetland? Yes No / No No No No No No No / Remarks: Cowardin Code: UPLAND HGM: Water Type: PMENLOGY Metland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (86) Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8) Mitig Water Table (A2) Hydrogen Sulfide Odor (C1) Danage Patterns (B10) Sutration (A3) Oxidized Finants (B14) Sparsely Vegetated (Concave Surface (B8) Sufface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8) Sufface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8) Sufface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8) Sufface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8) Sufface Water (A1) True Aquatic Plants (B14) Startace (B10)	Subregion (LRR or MLRA):	<u>RRN</u>	-16.1	Lat: 40.692860)	1 . 1				_{um:} NAD 83		
e Vegetation	Soil Map Unit Name: COSN	octon s	silt loar	m, 6 to 15 p	ercer	nt slopes	S	NWI classific	cation: None			
e VegetationSolor Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? YesNo No Is the Sampled Area within a Wetland? No Wetland Hydrology Present? YesNo Is the Sampled Area within a Wetland? No Remarks: Cowardin Code: UPLAND HGM: Water Type: YDROLOGY Surface Soil Cracks (86)	Are climatic / hydrologic condi	tions on the	e site typic	al for this time of	year? Ye	es 🖌 I	No	(If no, explain in F	temarks.)			
e VegetationSolor Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? YesNo No Is the Sampled Area within a Wetland? No Wetland Hydrology Present? YesNo Is the Sampled Area within a Wetland? No Remarks: Cowardin Code: UPLAND HGM: Water Type: YDROLOGY Surface Soil Cracks (86)	Are Vegetation, Soil	, or H	lydrology	significant	tly disturb	ped?	Are "Normal	l Circumstances"	oresent? Yes	✓ No		
tydrophytic Vegetation Present? Yes No ✓ tydric Soil Present? Yes No ✓ Wetland Hydrology Present? Yes No ✓ Remarks: Cowardin Code: UPLAND HGM: Water Type: YDROLOGY Metland Hydrology Indicators:												
Hydric Soil Present? Yes No Vestand Hydrology Present? Yes No Remarks: Cowardin Code: UPLAND HGM: Water Type: Water Type: YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Water (A1) True Aquatic Plants (B14) Surface Soil Cracks (B6) Surface Water (A1) True Aquatic Plants (B14) Surface Soil Cracks (B6) Surface Water (A1) True Aquatic Plants (B14) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Surface Water (A1) True Aquatic Plants (B14) Sufface Soil Cracks (B6) Surface Water (A1) True Aquatic Plants (B14) Sufface Water (A1) Primery Indicators (C1) Sufface Water (A1) True Aquatic Plants (B14) Sufface Water Table (A2) Hydrogen Sufface Quired Notes True Aquatic Plants (B14) Sufface Water Table (A2) Hydrogen Sufface Quired Notes True Aquatic Plants (B14) Sufface Water Table (A2) Presence of Reduced Iron (C4) Drin Deposits (B2) Recent Iron Reduction in Tilled Soils (C6) CrayIsh Burrows (C8) Other (Explain in Remarks) Sufface Or Cray (Ish Burrows (C8) Other (Explain in Remarks) Sufface Advance (C7) Saturation Visible on Aerial Imagery (B7) Hydrotopographic Relief (D4) Fred Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Y	SUMMARY OF FINDIN	GS – Ati	tach sit	e map showin	ng sam	pling poi	nt locatio	ons, transects	, important	features, etc.		
YDROLOGY Metland Hydrology Indicators: Primary. Indicators (minimum of one is required; check all that apply)	Hydric Soil Present?		Yes	No	_		-	Yes	No	_		
YDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Demortica				-	۱۸/۵	tor Type:					
Primary Indicators (minimum of one is required; check all that apply)	HYDROLOGY											
Surface Water (A1)	Wetland Hydrology Indicat	ors:						Secondary Indica	ators (minimum o	of two required)		
	Primary Indicators (minimum	of one is r	<u>equired; c</u>	heck all that apply	()			Surface Soil	Cracks (B6)			
	Surface Water (A1)			True Aquatic	Plants (E	B14)		Sparsely Ve	getated Concave	e Surface (B8)		
	High Water Table (A2)			Hydrogen Su	Ifide Odd	or (C1)		Drainage Pa	tterns (B10)			
	Saturation (A3)			Oxidized Rhiz	zosphere	es on Living	Roots (C3)	Dry-Season Water Table (C2)				
				Presence of I	Reduced	Iron (C4)						
							oils (C6)					
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 v Depth (inches): Nater Table Present? Yes No v Depth (inches): Saturation Present? Yes No v Depth (inches): Saturation Present? Yes No v Depth (inches): Mode capillary fringe) Wetland Hydrology Present? Yes No v Depth (inches): No v Depth (inches): No v Depth (inches):												
Inundation Visible on Aerial Imagery (B7)				Other (Explai	in in Rem	narks)				D1)		
	,	rial Imagar	n (P7)									
		-	у (Б7)									
Field Observations: Surface Water Present? Yes No _ Depth (inches): Nater Table Present? Yes No _ Depth (inches): Saturation Present? Yes No _ Mo _ Depth (inches): Depth (inches): Wetland Hydrology Present? Yes No _ Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		55)										
Surface Water Present? Yes No Water Table Present? Yes No Ves No Depth (inches): Saturation Present? Yes No Yes No Depth (inches): Saturation Present? Yes No No												
Water Table Present? Yes No _ Depth (inches): Wetland Hydrology Present? Yes No _ No _ Saturation Present? Yes No _ ✓ Depth (inches): Wetland Hydrology Present? Yes No _ ✓ Situration Present? Yes No _ ✓ Depth (inches): Wetland Hydrology Present? Yes No _ ✓ Situration Present? Yes No _ ✓ Depth (inches): Wetland Hydrology Present? Yes No _ ✓ Obscribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: V ✓	Surface Water Present?	Yes	No	 Depth (inche 	es):							
Saturation Present? Yes No _ Oepth (inches): Wetland Hydrology Present? Yes No _ (includes capillary fringe) Depth (inches): Wetland Hydrology Present? Yes No _ Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Second Secon	Water Table Present?	Yes	No	 Depth (inche 	es):							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	Saturation Present?						Wetland H	lydrology Prese	nt? Yes	No		
	(includes capillary fringe)						(:	lable				
Remarks:		eam gauge	, monitori	ng well, aerial pho	otos, prev	vious inspec	tions), if ava	ilable:				
	Remarks:											

Sampling Point: W-JM12, JM13, JM14-UPL

201	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species		
1. Prunus serotina	30	<u> </u>	FACU	That Are OBL, FACW, or FAC: (A)		
2. Pinus strobus	25	<u> </u>	FACU	Total Number of Dominant		
3. Quercus rubra	20	 ✓ 	FACU	Species Across All Strata: 7 (B)		
4						
5				Percent of Dominant Species That Are OBL, FACW, or FAC:0 (A/B)		
6						
7				Prevalence Index worksheet:		
	75	= Total Cov	er.	Total % Cover of:Multiply by:		
50% of total cover: 37.5				OBL species x 1 =		
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =		
1. Prunus virginiana	25	~	FACU	FAC species x 3 =		
2. Carya cordiformis	10	· ·	FACU	FACU species x 4 =		
			1 /100	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						
	35	= Total Cov	rer	$3 - Prevalence Index is \le 3.0^1$		
50% of total cover:17.5				4 - Morphological Adaptations ¹ (Provide supporting		
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)		
1. Phytolacca americana	25	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
2. Ageratina altissima	10		FACU			
3. Rubus allegheniensis	20	 ✓ 	FACU	¹ Indicators of hydric soil and wetland hydrology must		
4. Polygonum virginianum	10		FAC	be present, unless disturbed or problematic.		
5. Polygonum pensylvanicum	10			Definitions of Four Vegetation Strata:		
			FACW	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		
	75	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.		
50% of total cover: <u>37.5</u>						
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in height.		
1				hoight.		
2						
3						
4				Hydrophytic		
5	0		·	Vegetation Present? Yes No V		
50% of total cover: 0		= Total Cov total cover				
Remarks: (Include photo numbers here or on a separate s	neet.)					

Profile Desc	ription: (Describe t	o the depth	n needed to docum	nent the inc	dicator or	confirm	n the absence of indicators.)	
Depth	Matrix			x Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks	
0-2	10YR 4/2	100					SIL	
2-18	2.5Y 5/4	100					SIL	
							·	
·								
	oncentration, D=Depl	ation RM-E	Peduced Matrix M	-Maskad S	and Grain		² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil						13.	Indicators for Problematic Hydric Soils ³ :	
Histosol			Dark Surface	(97)			2 cm Muck (A10) (MLRA 147)	
	bipedon (A2)		Polyvalue Be		(S8) (MI	RA 147		
	stic (A3)		Thin Dark Su				(MLRA 147, 148)	
	en Sulfide (A4)		Loamy Gleye	• • •		,,	Piedmont Floodplain Soils (F19)	
	d Layers (A5)		Depleted Mat		-/		(MLRA 136, 147)	
	ick (A10) (LRR N)		Redox Dark	. ,			Very Shallow Dark Surface (TF12)	
	d Below Dark Surface	(A11)	Depleted Dar	· · ·			Other (Explain in Remarks)	
-	ark Surface (A12)	()	Redox Depre		,			
	lucky Mineral (S1) (L	RR N.	Iron-Mangan	· · ·	(F12) (LF	R N.		
	A 147, 148)		MLRA 13		· / ·			
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ce (F13) (M	LRA 136,	122)	³ Indicators of hydrophytic vegetation and	
Sandy F	Redox (S5)		Piedmont Flo	odplain Soil	s (F19) (N	ILRA 14	18) wetland hydrology must be present,	
Stripped	Matrix (S6)		Red Parent N	Aaterial (F21) (MLRA	127, 147	7) unless disturbed or problematic.	
Restrictive	Layer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil Present? Yes No _	_
Remarks:								

Project/Site: Kensington	City/County: Col	umbiana	Sampling Date: 10/21/20				
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-JM14				
Investigator(s): JM, KP							
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave	, convex, none): Concave	Slope (%): 3-6				
Subregion (LRR or MLRA): LRRN	Lat: 40.693550	_{Long:} -80.881675	Datum: NAD 83				
Soil Map Unit Name: Gavers silt loam, 2	2 to 6 percent slopes	NWI classifi	cation: None				
Are climatic / hydrologic conditions on the site typic	Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	Is the Sam						
Wetland Hydrology Present? Yes	✓ No ✓ No ✓ No	etland? Yes Ves	No				
Remarks: Cowardin Code: PFO		iter Type:					
		iter rype.					
Heavy rain prior 48 Hours							
HYDROLOGY		2					
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; o	Surface Soil						
Surface Water (A1)		Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2)	Drainage Pa						
Saturation (A3) Water Marks (B1)	 Oxidized Rhizospheres on Living Presence of Reduced Iron (C4) 		Water Table (C2)				
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Se						
Drift Deposits (B3)	Thin Muck Surface (C7)		isible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)							
Iron Deposits (B5)		 Geomorphic 	Stressed Plants (D1) Position (D2)				
Inundation Visible on Aerial Imagery (B7)		Shallow Aqu	iitard (D3)				
Water-Stained Leaves (B9)		Microtopogr	aphic Relief (D4)				
Aquatic Fauna (B13)							
Field Observations:							
	Depth (inches):						
Water Table Present? Yes No							
	✓ Depth (inches):	Wetland Hydrology Present? Yes <u>V</u> No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, previous inspec	tions), if available:					
Remarks:							

Sampling Point: W-JM14

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		
Acer rubrum	35	v	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:8 (A)
1	·	·		That Are OBL, FACW, or FAC: (A)
2	·	·		Total Number of Dominant
3				Species Across All Strata: 9 (B)
4				
5				Percent of Dominant Species
				That Are OBL, FACW, or FAC: (A/B)
6	·			Prevalence Index worksheet:
7		·		Total % Cover of: Multiply by:
		= Total Cov		
50% of total cover: <u>17.</u>	5 20% of	f total cover	: <u>7</u>	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
_{1.} Prunus virginiana	20	~	FACU	FAC species x 3 =
2 Ulmus americana	15		FACW	FACU species x 4 =
			1/10/1	UPL species x 5 =
3				
4				Column Totals: (A) (B)
5				Prevalence Index = B/A =
6				
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8	·	· ·		✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	35	= Total Cov	/er	
50% of total cover: <u>17.</u>	5 20% of	f total cover	: 7	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 15')				data in Remarks or on a separate sheet)
1. Polygonum pensylvanicum	15	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Boehmeria cylindrica	5	· _ ·	FACW	
				¹ Indicators of hydric soil and wetland hydrology must
3. Bidens frondosa	5		FACW	be present, unless disturbed or problematic.
4. Rumex crispus	10	~	FAC	Definitions of Four Vegetation Strata:
5. Poa trivialis	10	~	FACW	Demitions of Four Vegetation Strata.
6. Scirpus polyphyllus	25	~	OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Ranunculus hispidus	10	· · ·	FACW	more in diameter at breast height (DBH), regardless of
				height.
8. Symphyotrichum species	5	. <u> </u>	ND	Sapling/Shrub – Woody plants, excluding vines, less
9. Dryopteris species	5		ND	than 3 in. DBH and greater than or equal to 3.28 ft (1
_{10.} Viola sororia	10	~	FACW	m) tall.
11	100			Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov	ver 20	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>50</u>	20% of	f 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		. <u> </u>		Vegetation
	0	= Total Cov	/er	Present? Yes V No
50% of total cover: 0	20% of	f total cover	<u> 0 </u>	
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Desc	cription: (Describe to	o the depth	n needed to docun	nent the i	ndicator	or confirm	the absence	e of indicators.)
Depth	Matrix		Redo	x Features	5			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/2	80	5YR 5/6	20	С	M/PL	SIL	
	·							
						<u> </u>		
						- <u> </u>		
·	·							
						. <u> </u>		
	oncentration, D=Deple	etion, RM=F	Reduced Matrix, MS	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indic	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)
	en Sulfide (A4)		Loamy Gleye		F2)		F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat	. ,				(MLRA 136, 147)
	uck (A10) (LRR N)	()	Redox Dark S	•	,			/ery Shallow Dark Surface (TF12)
·	d Below Dark Surface	(A11)	Depleted Dar		. ,		(Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	/lucky Mineral (S1) (L l	KK N,	Iron-Mangane		es (F12) (LKK N,		
	A 147, 148) Gleyed Matrix (S4)		MLRA 13 Umbric Surfa	•		06 100)	³ Inc	dicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo			•		etland hydrology must be present,
	Matrix (S6)		Red Parent M	•	· · ·	•	,	nless disturbed or problematic.
	Layer (if observed):					A 121, 141) u	liess disturbed of problematic.
	Layer (il observed).							
Туре:								
Depth (in	cnes):						Hydric Sol	I Present? Yes 🥙 No
Remarks:								

Wetland ID <u>W-JM14</u> Cowardin Code <u>PFO</u> Date <u>10/21/20</u>



Photograph Number 509

Photograph Direction North

Comments:



Photograph Number <u>510</u> Photograph Direction <u>West</u>

Comments:



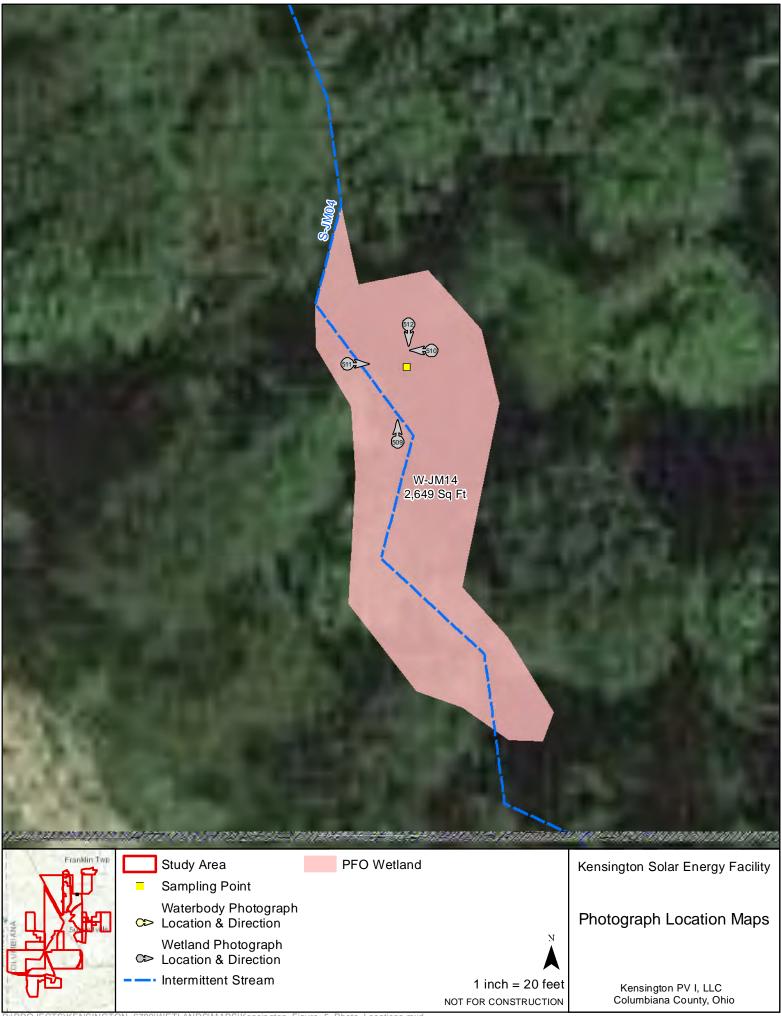
Photograph Number _____511

Photograph Direction East

Comments:



Photograph Number 512 Photograph Direction South



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Project/Site: Kensington	City/County: Columbia	ana	Sampling Date: 10/22/20
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-JM15
Investigator(s): JM, KP	Section, Township, Ran	_{ge:} S13 T14N R4W	
Landform (hillslope, terrace, etc.): Floodplain	Local relief (concave, conve	ex, none): Concave	Slope (%): 0-3
Subregion (LRR or MLRA): LRRN	Lat: 40.697682 Long	-80.877221	Datum: NAD 83
Soil Map Unit Name: Orrville silt loam, 0 t	o 3 percent slopes, occasionally f	looded NWI classifie	_{cation:} None
Are climatic / hydrologic conditions on the site typ			
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "N	Iormal Circumstances"	present? Yes 🖌 No
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS – Attach si	te map showing sampling point lo	cations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes _ Hydric Soil Present? Yes _ Wetland Hydrology Present? Yes _ Remarks: Couverdin Code: DEM	No No No within a Wetland	1? Yes 🖌	No
Cowardin Code: PEM	HGM: Riverine Water T	ype.	
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indic	ators (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 Ve	getated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Pa	atterns (B10)
Saturation (A3)	Oxidized Rhizospheres on Living Roots	(C3) Moss Trim L	ines (B16)
Water Marks (B1)	Presence of Reduced Iron (C4)	Dry-Season	Water Table (C2)

	Presence of Reduced Iron (C4)
	Recent Iron Reduction in Tilled Soils (C6)
	Thin Muck Surface (C7)

Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Ae	arial Imageny (BZ)	Thin Muck Su Other (Explain	()	 Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aguitard (D3)
Water-Stained Leaves (Aquatic Fauna (B13)	0,00,000			 Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:				
Surface Water Present?	Yes No	Depth (inche	s):	
Water Table Present?	Yes No	Depth (inche	s):	
Saturation Present? (includes capillary fringe)	Yes No	✓ Depth (inche	s):	Wetland Hydrology Present? Yes 🖌 No
Describe Recorded Data (st	ream gauge, monite	oring well, aerial pho	os, previous inspectio	ons), if available:
Remarks:				

Sediment Deposits (B2)

____ Crayfish Burrows (C8)

Sampling Point: W-JM15

,	Abcoluto	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				
				Total Number of Dominant Species Across All Strata: 2 (B)
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC:(A/B)
6				Prevalence Index worksheet:
7				
		= 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. Salix nigra	10	~	OBL	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.				
	10	= Total Cov	er	$_$ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover: <u>5</u>				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
Pholoria arundinaaaa	95	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Symphyotrichum spp.	5		ND	
3. Carex lupulina	5	·	OBL	¹ Indicators of hydric soil and wetland hydrology must
3. Calex lupulina				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				
9				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				
11	105	·		Herb – All herbaceous (non-woody) plants, regardless
E21	105	= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>52.8</u>	20% of	total cover:	21	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				
2				
3				
4				
5		·		Hydrophytic
J	0	Tatal Cau		Vegetation Present? Yes Ves No
50% of total cover: 0		= Total Cov	~	
		total cover:	0	
Remarks: (Include photo numbers here or on a separate s	sneet.)			

Profile Desc	ription: (Describe te	o the depth	n needed to docur	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-20	10YR 4/2	95	10YR 5/4	5	С	M/PL	SIL	
						- <u> </u>		
	·					·		
						- <u> </u>		
						·		
						·		
17							² 1	
Hydric Soil	oncentration, D=Deple	etion, RIVI=F	Reduced Matrix, Ma	5=IVIasked	Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
,								
Histosol	· · ·		Dark Surface	. ,	(0.0) (1			cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		· · ·		148) <u> </u>	Coast Prairie Redox (A16)
Black Hi	. ,		Thin Dark Su			147, 148)	_	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye	,	F2)		P	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma	()				(MLRA 136, 147)
	ick (A10) (LRR N)	()	Redox Dark		,			(ery Shallow Dark Surface (TF12)
·	Below Dark Surface	(A11)	Depleted Da		. ,			Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre	`	,			
-	lucky Mineral (S1) (L	RR N,	Iron-Mangan		es (F12) (LRR N,		
	A 147, 148)		MLRA 13	•			31	Production of the state of the second of the second
	ileyed Matrix (S4)		Umbric Surfa	. , .	-			licators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo	•	. ,	•	•	etland hydrology must be present,
	Matrix (S6)		Red Parent N	viateriai (F	21) (WILR	A 127, 147) un	less disturbed or problematic.
	_ayer (if observed):							
Туре:								
Depth (ind	ches):						Hydric Soil	Present? Yes V No
Remarks:								

Wetland ID <u>W-JM15</u> Cowardin Code <u>PEM</u> Date <u>10/22/20</u>



Photograph Number <u>513</u> Photograph Direction <u>NE</u>

Comments:



Photograph Number <u>514</u> Photograph Direction <u>NW</u>

Comments:



Photograph Number 515

Photograph Direction SE

Comments:



Photograph Number 516 Photograph Direction SW



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			•
Project/Site: Kensington	City/County: Columbiana		Sampling Date: 10/20/20
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-JM15 UP
Investigator(s): JM, KP	Section, Township, Range:	S13 T14N R4W	
Landform (hillslope, terrace, etc.): Floodplain	Local relief (concave, convex, n	_{one):} Linear	Slope (%): 0-3
Subregion (LRR or MLRA): LRRN	Lat: 40.697725 Long: -8	0.877306	Datum: NAD 83
Soil Map Unit Name: Orrville silt loam, 0 to			
Are climatic / hydrologic conditions on the site typi	cal for this time of year? Yes 🖌 No	(If no, explain in F	Remarks.)
Are Vegetation, Soil, or Hydrology	significantly disturbed? Are "Norm	al Circumstances"	present? Yes 🖌 No
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS – Attach si	te map showing sampling point locat	ions, transects	s, important features, etc.
Hydric Soil Present? Yes	No ✔ No ✔ No ✔ No ✔ Is the Sampled Area within a Wetland?		No
Remarks: Cowardin Code: UPLAND	HGM: Water Type		
HYDROLOGY			
Wetland Hydrology Indicators:			ators (minimum of two required)
Primary Indicators (minimum of one is required;		Surface Soil	· · ·
Surface Water (A1)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)		getated Concave Surface (B8)
High Water Table (A2) Saturation (A3)	Oxidized Rhizospheres on Living Roots (C3	Drainage Pa	
Water Marks (B1)	Presence of Reduced Iron (C4)	· <u> </u>	Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction in Tilled Soils (C6)	Crayfish Bu	
Drift Deposits (B3)	·	/isible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)	Thin Muck Surface (C7) Other (Explain in Remarks)		Stressed Plants (D1)
Iron Deposits (B5)		Ceomorphic	
Inundation Visible on Aerial Imagery (B7)		 Shallow Aqu	
Water-Stained Leaves (B9)			aphic 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):					
Saturation Present? (includes capillary fringe)	Yes	No 🗹	_ Depth (inches):		Wetland Hydrology Present?	Yes	No	~
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:								

Sampling Point: W-JM15 UPL

	Absolute	Dominant	Indicator	Dominance Test worksheet:	i
Tree Stratum (Plot size: <u>30'</u>)		Species?			
Quercus bicolor	30	 ✓ 	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A	۸)
2. Prunus serotina	30	 ✓ 	FACU		7)
				Total Number of Dominant	
3. Ulmus americana	10		FACW	Species Across All Strata: 6 (E	B)
4. Quercus imbricaria	10		FAC		
5			_	Percent of Dominant Species	A /D)
0				That Are OBL, FACW, or FAC: (A	A/B)
б				Prevalence Index worksheet:	
7					
		= Total Cov			
50% of total cover: 40	20% of	total cover:	16	OBL species x 1 =	
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =	
1. Ulmus americana	20	~	FACW	FAC species x 3 =	
2 Rosa multiflora	20	~	FACU	FACU species x 4 =	
		•	FACO		
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%	ļ
9				3 - Prevalence Index is $\leq 3.0^{1}$	ļ
	40	= Total Cov	/er		
50% of total cover: <u>20</u>		total cover:	-	4 - Morphological Adaptations ¹ (Provide suppor	rting
-1				data in Remarks or on a separate sheet)	
	20	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)	
1. Rubus alleganhensis		<u> </u>			
2. Agrimonia parviflora	10		FACW	1. The second of the state of the second constant of the state of the second seco	
3. Polygonum virginianum	10		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	st
Alliaria petiolata	15	~	FACU		
"				Definitions of Four Vegetation Strata:	
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm	n) or
6				more in diameter at breast height (DBH), regardless	
7			. <u> </u>	height.	0
8.					
0				Sapling/Shrub – Woody plants, excluding vines, le	
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, regardle	ess
		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: _ 27.5	20% of	total cover:	<u>11</u>		
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft	in
				height.	
1					
2					1
3					1
4					
5				Hydrophytic	
	0			Vegetation Present? Yes No _	
		= Total Cov	-		
50% of total cover: 0		total cover:	0		
Remarks: (Include photo numbers here or on a separate sl	heet.)				

Profile Desc	ription: (Describe t	o the dept	th needed to document the indicator or confirm	n the absen	ce of indicators.)				
Depth	Matrix		Redox Features						
(inches)	Color (moist)	%	Color (moist) % Type ¹ Loc ²	Texture	Remarks				
0-7	2.5Y 4/2	100		SIL					
7-20	2.5Y 4/3	100		SIL					
·									
		ation DM		² Leastion:					
Hydric Soil		elion, Rivi=	Reduced Matrix, MS=Masked Sand Grains.		PL=Pore Lining, M=Matrix. icators for Problematic Hydric Soils ³ :				
5			Dark Surface (SZ)		•				
Histosol	(A1) bipedon (A2)		Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147,		2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16)				
	stic (A3)		Polyvalue Below Sufface (S8) (MLRA 147, Thin Dark Surface (S9) (MLRA 147, 148)	140)	(MLRA 147, 148)				
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)				
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)				
	ick (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)				
	d Below Dark Surface	(A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)				
·	ark Surface (A12)	(,)	Redox Depressions (F8)						
	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, 122)	³	ndicators of hydrophytic vegetation and				
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 14	18)	wetland hydrology must be present,				
Stripped	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 147	7)	unless disturbed or problematic.				
Restrictive I	Layer (if observed):								
Туре:									
Depth (in	ches):			Hydric S	oil Present? Yes No 🖌				
Remarks:									

Project/Site: Kensington	_ City/County: Columbiana Sampling Date: 10/22/20
Applicant/Owner: Kensington PV I, LLC	State: OH Sampling Point: W-JM17
Investigator(s): JM, KP	Section, Township, Range: S13 T14N R4W
Landform (hillslope, terrace, etc.): Floodplain L	ocal relief (concave, convex, none): Concave Slope (%): 0-3
Subregion (LRR or MLRA): LRRN Lat: 40.697845	
Soil Map Unit Name: Orrville silt loam, 0 to 3 percent slo	*
Are climatic / hydrologic conditions on the site typical for this time of y	
	ly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	
	g sampling point locations, transects, important features, etc.
Sommart of Findings – Attach site map showin	g sampling point locations, transects, important leatures, etc.
Hydrophytic Vegetation Present? Yes <u>Ves</u> No	 Is the Sampled Area
Hydric Soil Present? Yes <u>V</u> No	
Wetland Hydrology Present? Yes <u>Ves</u> No	_
Remarks: Cowardin Code: PSS HGM: Dep	ressional Water Type:
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	
Surface Water (A1) True Aquatic	
	fide Odor (C1) Drainage Patterns (B10)
	cospheres on Living Roots (C3) Moss Trim Lines (B16)
	Reduced Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron R	Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Su	Inface (C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain	n in Remarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Ceomorphic 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 (inche	
Water Table Present? Yes No Depth (inche	,
Saturation Present? Yes No _ Depth (inche (includes capillary fringe)	S): Wetland Hydrology Present? Yes <u>V</u> No
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if available:

Remarks:

Sampling Point: W-JM17

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)	% Cover	Species?		Number of Dominant Species
1. Ulmus americana	15	~	FACW	That Are OBL, FACW, or FAC: 4 (A)
2				
				Total Number of Dominant
3				Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100% (A/B)
6				
				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Co		
50% of total cover: 7.5	20% o	f total cove	r <u>: 3</u>	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Cornus sericea	35	~	FACW	FAC species x 3 =
2				FACU species x 4 =
3		<u> </u>	<u> </u>	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.				
	35			$_$ 3 - Prevalence Index is $\leq 3.0^1$
17		= Total Co		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>17.</u>	<u>5</u> 20% o	f total cove	r: <u> </u>	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5')				
_{1.} Poa trivialis	25	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Scirpus polyphyllus	25	~	OBL	
3 Packera aurea	10		FACW	¹ Indicators of hydric soil and wetland hydrology must
<u>.</u>				be present, unless disturbed or problematic.
4. Symphyotrichum lateriflorum	5		FACW	Definitions of Four Vegetation Strata:
5				
6				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
		= Total Co		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>32</u> .	<u>5</u> 20% o	f total cove	r <u>13</u>	Weedwaine All weedwaines 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.				Toight.
2				
3				
4				lludeen hudie
5				Hydrophytic Vegetation
	0	Tatal Ca		Present? Yes V No
		= Total Co	•	
50% of total cover: 0	20% 0	f total cove	: <u> </u>	
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix		Redox	Features	6					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-8	2.5Y 5/2	90	10YR 4/6	10	С	M/PL	SIL			
8-18	2.5Y 5/3	85	10YR 5/6	15	С	M	SIL			
						·				
						·				
						<u> </u>				
¹ Type: C=Co	oncentration, D=Deple	tion, RM=F	Reduced Matrix, MS	=Masked	Sand Gr	ains.	² Location: P	L=Pore Lining,	M=Matrix.	
Hydric Soil I								ators for Prob		ric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10	D) (MLRA 147	')
	pipedon (A2)		Polyvalue Bel	ow Surfac	ce (S8) (N	/LRA 147,		Coast Prairie Re	, .	
Black Hi	• • •		Thin Dark Sur				,	(MLRA 147,	. ,	
	n Sulfide (A4)		Loamy Gleyed	, ,	•	, -,	F	Piedmont Flood	•	19)
	Layers (A5)		Depleted Mate		,			(MLRA 136,		- /
	ck (A10) (LRR N)		Redox Dark S	. ,	6)		N	/ery Shallow D		(F12)
	Below Dark Surface	(A11)	Depleted Darl	•	,			Other (Explain i	,)
	ark Surface (A12)	(/(11)	Redox Depres		. ,		`		in Remains)	
	lucky Mineral (S1) (LF		Iron-Mangane	,						
	• • • •	ΛΓΛΙΝ ,	-		55 (F12) (LNN N,				
	147, 148) leyed Matrix (S4)		MLRA 136 Umbric Surfac		MIRA 13	6 122)	³ Inc	licators of hydr	onhytic veget	ation and
	edox (S5)		Piedmont Floo					etland hydrolog		
	Matrix (S6)		Red Parent M	•	. ,	•	•	less disturbed	•	
Restrictive L	ayer (if observed):									
Туре:										
Depth (inc	ches):						Hydric Soi	Present?	/es 🔽	No
Remarks:										

Wetland ID <u>W-JM17</u> Cowardin Code <u>PSS</u> Date <u>10/22/20</u>



Photograph Number <u>517</u> Photograph Direction <u>South</u>

Comments:



Photograph Number <u>518</u> Photograph Direction East

Comments:



Photograph Number 519
Photograph Direction North

Comments:



Photograph Number 520 Photograph Direction West



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Project/Site: Kensington	City/County	<u>.</u> Columbiana	_ Sampling Date: 10/22/20					
Applicant/Owner: Kensington PV I, LLC								
Investigator(s): JM, KP	Section, Township, Range: S13 T14N R4W							
Landform (hillslope, terrace, etc.): Floodplain								
Subregion (LRR or MLRA): LRRN								
Soil Map Unit Name: Orrville silt loam, 0								
Are climatic / hydrologic conditions on the site ty	pical for this time of year? Yes	✓ No (If no, explain in	Remarks.)					
Are Vegetation, Soil, or Hydrolog	gy significantly disturbed?	Are "Normal Circumstances"	' present? Yes 🖌 No					
Are Vegetation, Soil, or Hydrolog	y naturally problematic?	(If needed, explain any answ	vers in Remarks.)					
SUMMARY OF FINDINGS – Attach s	ite map showing samplin	g point locations, transect	ts, important features, etc.					
Hydrophytic Vegetation Present? Yes	No 🖌							
, , , , , , , , , , , , , , , , , , , ,		e Sampled Area in a Wetland? Yes	No 🖌					
Wetland Hydrology Present? 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; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14) High Water Table (A2) Hydrogen Sulfide Odor (C1) Saturation (A3) Oxidized Rhizospheres on Living R Water Marks (B1) Presence of Reduced Iron (C4) Sediment Deposits (B2) Recent Iron Reduction in Tilled So Drift Deposits (B3) Thin Muck Surface (C7) Algal Mat or Crust (B4) Other (Explain in Remarks) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13)	Dry-Season Water Table (C2)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes <u>No</u> Depth (inches): <u>(includes capillary fringe)</u>	Wetland Hydrology Present? Yes No
Saturation Present? Yes No 🖌 Depth (inches):	

Sampling Point: W-JM17, JM18 UPL

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: <u>30'</u>)		Species?			
Acer rubrum	25		FAC	Number of Dominant Species	
				That Are OBL, FACW, or FAC: ((A)
2. Quercus rubra	20	<u> </u>	FACU	Total Number of Dominant	
3. Prunus serotina	40	✓	FACU		(B)
					(0)
4			·	Percent of Dominant Species	
5					(A/B)
6					. ,
7.				Prevalence Index worksheet:	
[¹	85			Total % Cover of: Multiply by:	
10.5		= Total Cov			
50% of total cover: 42.5	20% of	total cover:	1/	OBL species x 1 =	
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =	
1 Prunus serotina	10	v	FACU	FAC species x 3 =	
2 Ulmus americana	10	· · ·	·	FACU species x 4 =	
2	10	V	FACW		
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				3 - Prevalence Index is $≤3.0^1$	
	20	= Total Cov	rer		
50% of total cover: <u>10</u>	20% of	total cover	4	4 - Morphological Adaptations ¹ (Provide suppo	orting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)	
	20		ND	Problematic Hydrophytic Vegetation ¹ (Explain))
1. Dryopteris species	20				, ,
2. Solidago species	10		ND	4	
3. Toxicodendron radicans	10	v	FAC	¹ Indicators of hydric soil and wetland hydrology mu	ust
4 Carex pensylvanica	10	v	UPL	be present, unless disturbed or problematic.	
	_		·	Definitions of Four Vegetation Strata:	
5. Ageratina altissima	10	 ✓ 	FACU		
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm	
				more in diameter at breast height (DBH), regardles	ss of
7			·	height.	
8				Sapling/Shrub - Woody plants, excluding vines, lo	000
9				than 3 in. DBH and greater than or equal to 3.28 ft	
10.				m) tall.	. (.
10				,	
11			·	Herb - All herbaceous (non-woody) plants, regard	less
	60	= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: <u>30</u>	20% of	total cover:	12		
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft	t in
,				height.	
1					
2					
3					
4			·	Hydrophytic	
5				Vegetation	
	0	= Total Cov	rer	Present? Yes No 🖌	
50% of total cover: 0	20% of	total cover	0		
			·		
Remarks: (Include photo numbers here or on a separate s		4			
ND Species not determined. not included in dom	ninance t	est.			

Depth	Matrix		Redo	x Feature	S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	e Remarks
0-5	10YR 4/3	100					SIL	
5-18	10YR 4/4	100					SIL	
		- <u></u> .						
						·		
						·		
		- <u> </u>				·		
		- <u> </u>				·		
		- <u> </u>				·		
¹ Type: C=C	oncentration, D=Dep	letion. RM=l	Reduced Matrix. M	S=Masked	d Sand Gra	ains.	² Location	: PL=Pore Lining, M=Matrix.
Hydric Soil		,	, , ,				In	dicators for Problematic Hydric Soils ³
Histosol	(A1)		Dark Surface	e (S7)				_ 2 cm Muck (A10) (MLRA 147)
Histic E	pipedon (A2)		Polyvalue Be	elow Surfa	ce (S8) (N	ILRA 147,	148)	Coast Prairie Redox (A16)
Black H	istic (A3)		Thin Dark Su			47, 148)		(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye	ed Matrix ((F2)			Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma	trix (F3)				(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	```	,			Very Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Da					Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre		,			
	/lucky Mineral (S1) (L	_RR N,	Iron-Mangan		es (F12) (LRR N,		
	A 147, 148)		MLRA 13	,				
	Gleyed Matrix (S4)		Umbric Surfa	, ,	•			³ Indicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Florence					wetland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F	21) (MLR	A 127, 147	7)	unless disturbed or problematic.
	Layer (if observed):							
Type:								
Depth (in	ches):						Hydric S	Soil Present? Yes No

Project/Site: Kensington	City/County: Columbiana	Sampling Date: 10/22/20
Applicant/Owner: Kensington PV I, LLC	Stat	te: OH Sampling Point: W-JM18
Investigator(s): JM, KP	Section, Township, Range: S13 T1	4N R4W
Landform (hillslope, terrace, etc.): Floodplain	Local relief (concave, convex, none): <u>C</u>	Concave Slope (%): 0-3
Subregion (LRR or MLRA): LRRN Lat: 40.6	398353	370 Datum: NAD 83
Soil Map Unit Name: Orrville silt loam, 0 to 3 perce	ent slopes, occasionally flooded	WI classification: None
Are climatic / hydrologic conditions on the site typical for this	time of year? Yes 🖌 No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydrology sig	gnificantly disturbed? Are "Normal Circu	mstances" present? Yes 🔽 No
Are Vegetation, Soil, or Hydrology na		
SUMMARY OF FINDINGS – Attach site map s	howing sampling point locations, t	ransects, important features, etc.
Hydrophytic Vegetation Present? Yes V No. Hydric Soil Present? Yes V No. Wetland Hydrology Present? Yes V No. Remarks: Cowardin Code: PEM HGN	within a Wetland?	Yes No
HYDROLOGY		
Wetland Hydrology Indicators:		ndary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all the		Surface Soil Cracks (B6)
Surface Water (A1) True /	Aquatic Plants (B14) S	Sparsely Vegetated Concave Surface (B8)
		Drainage Patterns (B10)
Saturation (A3)	zed Rhizospheres on Living Roots (C3) N	Moss Trim Lines (B16)
Water Marks (B1) Prese		Dry-Season Water Table (C2)
Sediment Deposits (B2) Recei	nt Iron Reduction in Tilled Soils (C6)	Crayfish Burrows (C8)

(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

 Yes
 No
 ✓
 Depth (inches):

 Yes
 No
 ✓
 Depth (inches):

Yes ____ No 🖌 Depth (inches):____

____ Thin Muck Surface (C7)

___ Other (Explain in Remarks)

Remarks:

Drift Deposits (B3)
 Algal Mat or Crust (B4)

____ Iron Deposits (B5)

✓ Water-Stained Leaves (B9)

____ Aquatic Fauna (B13) Field Observations:

Surface Water Present? Water Table Present?

Saturation Present?

____ Inundation Visible on Aerial Imagery (B7)

____ Saturation Visible on Aerial Imagery (C9)

_ Stunted or Stressed Plants (D1)

✓ Geomorphic Position (D2)
 ____ Shallow Aquitard (D3)

Wetland Hydrology Present? Yes <u>V</u> No_

Microtopographic Relief (D4)
 ✓ FAC-Neutral Test (D5)

Sampling Point: W-JM18

201	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1. Ulmus americana	10	<u> </u>	FACW	That Are OBL, FACW, or FAC: (A)
2				
				Total Number of Dominant
3			·	Species Across All Strata: (B)
4			·	Percent of Dominant Species
5	·			That Are OBL, FACW, or FAC: (A/B)
6				
7				Prevalence Index worksheet:
	10	= Total Cov	rer	Total % Cover of: Multiply by:
50% of total cover: 5		total cover:	<u> </u>	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')	20/0 0		·	FACW species x 2 =
	10	~	FACW	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 =
7				Hydrophytic Vegetation Indicators:
		·		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: 5	20% of	total cover:	2	
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Poa trivialis	30	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Panicum virgatum	40	~	FAC	
3 Packera aurea	10	-	FACW	¹ Indicators of hydric soil and wetland hydrology must
•		·		be present, unless disturbed or problematic.
4. Symphyotrichum lateriflorum	5		FACW	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.
				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
	85	= Total Cov	rer	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 42.				
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in
				height.
1			·	
2		·	·	
3	·	·		
4				I hadrow had to
5				Hydrophytic Vegetation
· · · · · · · · · · · · · · · · · · ·	0	= Total Cov		Present? Yes <u>V</u> No
50% of total cover: 0		total cover:	-	
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth									
(inches)	Color (moist)	%	Color (moist)	<u>Features</u>	Type ¹	Loc ²	Texture	Remarks	
0-8	2.5Y 5/2	90	10YR 4/6	10	С	M/PL	SIL		
8-18	2.5Y 5/3	85	10YR 5/6	15	С	Μ	SIL		
			- -						
		<u> </u>							
		·	<u> </u>						
¹ Turney 0, 0			Deduced Metrix MC	Maaliaal			² 1		
Hydric Soil	oncentration, D=Deple	etion, RIVI=I	Reduced Matrix, MS	=Ivlasked	Sand Gra	ains.		PL=Pore Lining, M=Matrix. cators for Problematic Hydric Soils ³ :	
Histosol			Dark Surface	(\$7)				2 cm Muck (A10) (MLRA 147)	
	bipedon (A2)		Polyvalue Bel		ce (S8) (N	ILRA 147.		Coast Prairie Redox (A16)	
	stic (A3)		Thin Dark Sur					(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gleye	. ,	•	, -,		Piedmont Floodplain Soils (F19)	
	Layers (A5)		Depleted Mat		,			(MLRA 136, 147)	
2 cm Mu	ick (A10) (LRR N)		Redox Dark S	Surface (F	6)		Very Shallow Dark Surface (TF12)		
Depleted	d Below Dark Surface	(A11)	Depleted Darl	k Surface	(F7)		Other (Explain in Remarks)		
Thick Da	ark Surface (A12)		Redox Depres						
Sandy M	lucky Mineral (S1) (LF	RR N,	Iron-Mangane	ese Masse	es (F12) (LRR N,			
MLRA	A 147, 148)		MLRA 136	5)					
Sandy G	eleyed Matrix (S4)		Umbric Surfac	ce (F13) (MLRA 13	6, 122)	³ In	dicators of hydrophytic vegetation and	
Sandy R	edox (S5)		Piedmont Floor	odplain So	oils (F19)	(MLRA 14	8) w	vetland hydrology must be present,	
Stripped	Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	') u	nless disturbed or problematic.	
Restrictive I	_ayer (if observed):								
Туре:									
Depth (ind	ches):						Hydric So	il Present? Yes 🖌 No	
Remarks:									

Wetland ID <u>W-JM18</u> Cowardin Code <u>PEM</u> Date <u>10/22/20</u>



Photograph Number <u>521</u> Photograph Direction <u>SW</u>

Comments:



Photograph Number <u>522</u> Photograph Direction <u>NE</u>

Comments:



Photograph Number 523

Photograph Direction NW

Comments:



Photograph Number 524 Photograph Direction SE



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Project/Site: Kensington	City/Co	ounty: Columbiana		Sampling Date: 10/22/20
Applicant/Owner: Kensington PV I, LLC	0.1,700			_ Sampling Point: W-JM19-PEM
Investigator(s): JM, KP	Sectior	n, Township, Range: <mark>S1</mark>	3 T14N R4W	
Landform (hillslope terrace etc.). Floodplain	l ocal relie	f (concave, convex, non	e): Concave	Slope (%): 0-4
Subregion (LRR or MLRA): LRRN Lat:				Datum: NAD 83
Soil Map Unit Name: Orrville silt Ioam, 0 to 3	percent slopes, o	occasionally flood		tion. None
Are climatic / hydrologic conditions on the site typical for				
	-			· .
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS – Attach site m			xplain any answer	
SUMMART OF FINDINGS – Attach site in		pling point locatio	ns, transects,	important leatures, 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:		
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicat	ors (minimum of two required)
Primary Indicators (minimum of one is required; chec	k all that apply)		Surface Soil C	Cracks (B6)
Surface Water (A1)	True Aquatic Plants (B	314)	Sparsely Veg	etated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odor		Drainage Patt	erns (B10)
Saturation (A3)	Oxidized Rhizospheres	s on Living Roots (C3)	Moss Trim Lir	nes (B16)
	Presence of Reduced	. ,	-	Vater Table (C2)
	Recent Iron Reduction		Crayfish Burro	
	Thin Muck Surface (C7			sible on Aerial Imagery (C9)
	Other (Explain in Rema	arks)	Geomorphic F	essed Plants (D1)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)			Geomorphic F Shallow Aquit	
Water-Stained Leaves (B9)				phic Relief (D4)
Aquatic Fauna (B13)			✓ FAC-Neutral	
Field Observations:				. ,
Surface Water Present? Yes No _	Depth (inches):			
Water Table Present? Yes <u>Ves</u> No	_ Depth (inches):	3		
Saturation Present? Yes <u>Ves</u> No	_ Depth (inches):C) Wetland H	ydrology Present	? Yes 🖌 No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring v	well, aerial photos, prev	ious inspections), if avai	lable:	
Remarks:				

Sampling Point: W-JM19-PEM

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>4</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100% (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 =
Cornus sericea	5	~	FACW	FAC species x 3 =
		·	·	FACU species x 4 =
2			·	
3				UPL species x 5 =
4				Column Totals: (A) (B)
5				
6				Prevalence Index = B/A =
			·	Hydrophytic Vegetation Indicators:
7		· - <u></u>	· <u> </u>	1 - Rapid Test for Hydrophytic Vegetation
8			·	✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is $\leq 3.0^{1}$
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>2.5</u>	20% of	total cover	1	
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Poa trivialis	30	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Phalaris arundinacea	10		FACW	
3. Boehmeria cylindrica	20	 ✓ 	FACW	¹ Indicators of hydric soil and wetland hydrology must
4. Symplocarpus foetidus	20	· · ·	OBL	be present, unless disturbed or problematic.
		<u> </u>		Definitions of Four Vegetation Strata:
5. Rumex crispus	10		FAC	
6. Symphyotrichum species	5		ND	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
_{7.} Viola sororia	5		FAC	height.
8				, , , , , , , , , , , , , , , , , , ,
9				Sapling/Shrub – Woody plants, excluding vines, less
			·	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10			·	
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: <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		·	·	Hydrophytic
5				Vegetation
		= Total Cov	-	Present? Yes V No
50% of total cover: 0	20% of	total cover	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			
ND- species not determined	,			

SOIL

Depth (inches) Matrix Color (moist) Redox Features Color (moist) Type' Loc' Texture Remarks 0-8 10YR 4/2 85 7.5YR 4/6 15 C M/PL SIL 8-16 7.5YR 4/2 90 7.5YR 4/6 10 C M CL	Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
0-8 10YR 4/2 85 7.5YR 4/6 15 C M/PL SIL 8-16 7.5YR 4/2 90 7.5YR 4/6 10 C M CL 90 7.5YR 4/6 10 C M CL M CL 90 7.5YR 4/6 10 C M CL M M 90 7.5YR 4/6 10 C M CL M M 90 7.5YR 4/6 10 C M CL M M M 90 7.5YR 4/6 10 C M CL M M M 90 7.5YR 4/6 10 C M CL M		Redox	Features	8						
8-16 7.5YR 4/2 90 7.5YR 4/6 10 C M CL	(inches) Color (moist) %	Color (moist)	%	Type ¹			Remarks			
Image:	0-8 10YR 4/2 85	7.5YR 4/6	15	С	M/PL	SIL				
Image:	8-16 7.5YB 4/2 90	7.5YB 4/6	10	С	М	CL				
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : 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) (MLRA 136, 147) Depleted Below Dark Surface (A11) Redox Dark Surface (F7) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A12) Redox Depressions (F8) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) ³ Indicators of hydrophytic vegetation and				_ _						
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : 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) (MLRA 136, 147) Depleted Below Dark Surface (A11) Redox Dark Surface (F7) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A12) Redox Depressions (F8) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) ³ Indicators of hydrophytic vegetation and	·									
Hydric Soil Indicators: Indicators for Problematic Hydric Soils ³ : 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) (MLRA 136, 147) Depleted Below Dark Surface (A11) Redox Dark Surface (F7) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A12) Redox Depressions (F8) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) ³ Indicators of hydrophytic vegetation and										
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			lvidskeu	Sanu Gi	airis.					
 Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) Indicators of hydrophytic vegetation and 	•	Dark Surface	(\$7)				•			
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) (MLRA 136, 147) 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) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) ³ Indicators of hydrophytic vegetation and			. ,	ce (S8) (I	/LRA 147.					
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) Stratified Layers (A5) ✓Depleted Matrix (F3) (MLRA 136, 147) 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) Other (Explain in Remarks) Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N,				. , .		·	. ,			
			. ,	•	···, ···,	•				
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) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136) Iron-Manganese (F13) (MLRA 136, 122)		<u> </u>	•	,			,			
		Redox Dark S	Surface (F	6)						
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)	Depleted Below Dark Surface (A11)	Depleted Darl	k Surface	(F7)		Othe	er (Explain in Remarks)			
MLRA 147, 148) MLRA 136)	Thick Dark Surface (A12)	Redox Depres	ssions (F8	3)						
Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) ³ Indicators of hydrophytic vegetation and	Sandy Mucky Mineral (S1) (LRR N,	Iron-Mangane	ese Masse	es (F12) (LRR N,					
			,							
	Sandy Redox (S5)		•	, ,	•	•	nd hydrology must be present,			
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic.		Red Parent M	laterial (F	21) (MLR	A 127, 147) unles	s disturbed or problematic.			
Restrictive Layer (if observed):	Restrictive Layer (if observed):									
Туре:										
Depth (inches): No	Depth (inches):					Hydric Soil Pr	esent? Yes 🔽 No			
Remarks:	Remarks:					•				

Wetland ID <u>W-JM19-PEM</u> Cowardin Code <u>PEM</u> Date <u>10/22/20</u>



Photograph Number <u>525</u> Photograph Direction West

Comments:



Photograph Number <u>526</u> Photograph Direction East

Comments:



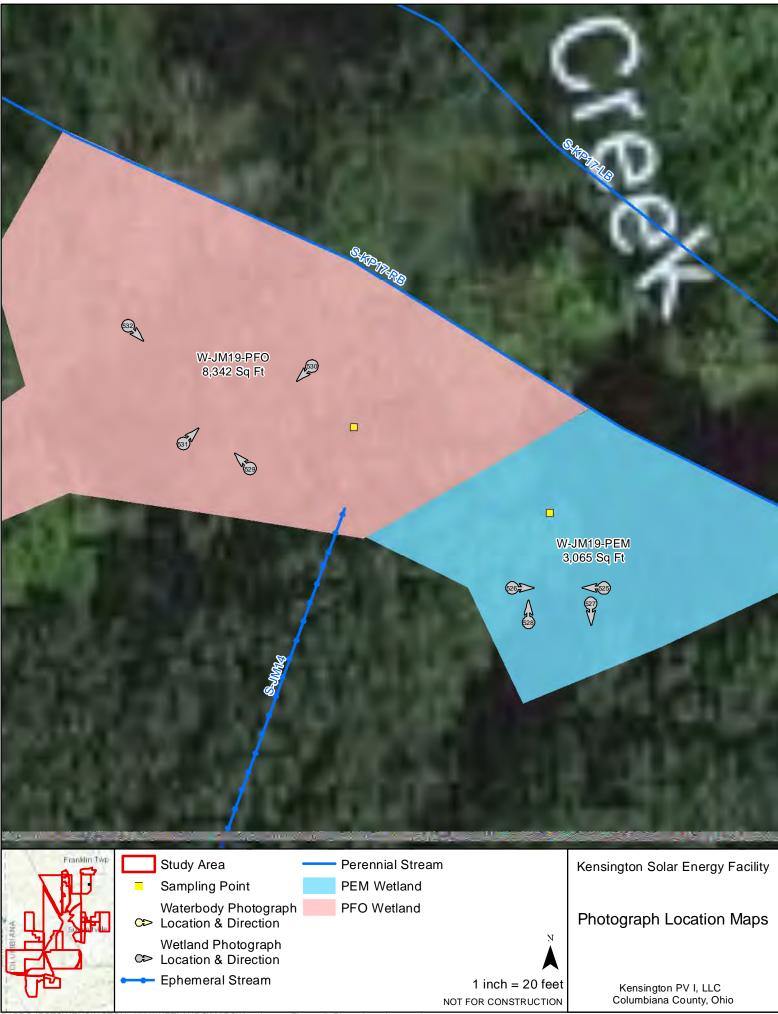
Photograph Number 527

Photograph Direction South

Comments:



Photograph Number <u>528</u> Photograph Direction <u>North</u>



:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington	City/County: Col	umbiana	Sampling Date: 10/22/20
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-JM19-PFO
Investigator(s): JM, KP	Section, Township		
Landform (hillslope, terrace, etc.); Floodplain	Local relief (concave.	convex none): Concave	Slope (%). 0-4
Subregion (LRR or MLRA): LRRN		Long: -80.874903	
Soil Map Unit Name: Orrville silt Ioam, 0 to	3 percent slopes, occasion	ally flooded hund aloos in	None
•			
Are climatic / hydrologic conditions on the site typic			
Are Vegetation, Soil, or Hydrology _			
Are Vegetation, Soil, or Hydrology _	naturally problematic?	(If needed, explain any answe	ers in Remarks.)
SUMMARY OF FINDINGS – Attach site	map showing sampling poi	nt locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	No Is the Sam No within a W No No		No
Remarks: Cowardin Code: PFO	HGM: Riverine Wa	ter Type:	
HYDROLOGY			
Wetland Hydrology Indicators:			ators (minimum of two required)
Primary Indicators (minimum of one is required; cl	heck all that apply) True Aquatic Plants (B14)	Surface Soil	
Surface Water (A1)		getated Concave Surface (B8)	
High Water Table (A2)	Hydrogen Sulfide Odor (C1)✓ Oxidized Rhizospheres on Living	✓ Drainage Pa	
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So		Water Table (C2)
Drift Deposits (B3)		isible on Aerial Imagery (C9)	
<u> </u>	Thin Muck Surface (C7) Other (Explain in Remarks)		tressed Plants (D1)
Iron Deposits (B5)		Ceomorphic	
Inundation Visible on Aerial Imagery (B7)		Shallow Aqu	
Water-Stained Leaves (B9)			aphic Relief (D4)
Aquatic Fauna (B13)		FAC-Neutral	Test (D5)
Field Observations:			
	Depth (inches):		
	Depth (inches):3		
Saturation Present? Yes <u>Ves</u> No (includes capillary fringe)	Depth (inches):0	Wetland Hydrology Preser	nt? Yes 🖌 No
Describe Recorded Data (stream gauge, monitorin	ng well, aerial photos, previous inspec	tions), if available:	
Demoslue			
Remarks:			

Sampling Point: <u>W-JM19-PFO</u>

	Absolute	Dominan	t Indicator	Dominance Test workshee	4·	
Tree Stratum (Plot size: <u>30'</u>)		Species				
Crataegus species	35		ND	Number of Dominant Specie That Are OBL, FACW, or FA		(A)
2. Acer rubrum	25	~	FAC			() ()
				Total Number of Dominant	9	
3				Species Across All Strata:		(B)
4				Percent of Dominant Specie	s oo	
5				That Are OBL, FACW, or FA	C: <u>89</u>	(A/B)
6				Prevalence Index workshe	ot:	
7				Total % Cover of:		
20		= Total Co	4.0			
50% of total cover: <u>30</u>	20% o	f total cove	r: <u>12</u>	OBL species		
Sapling/Shrub Stratum (Plot size: 15')	_			FACW species		
1. Cornus sericea	5	<u> /</u>	FACW		x 3 =	
2. Rosa multiflora	5	 ✓ 	FACU	FACU species		
3. Ulmus americana	5	 ✓ 	FACW	UPL species	x 5 =	
4		_		Column Totals:	(A)	(B)
5					•	
6				Prevalence Index = B/		
7				Hydrophytic Vegetation In		
8				1 - Rapid Test for Hydro		1
				✓ 2 - Dominance Test is >	50%	
9	15			3 - Prevalence Index is	≤3.0 ¹	
15 = Total Cover 50% of total cover: 7.5 20% of total cover: 3			4 - Morphological Adaptations ¹ (Provide supporting			
	20%0	r total cove		data in Remarks or c	n a separate she	et)
<u>Herb Stratum</u> (Plot size: <u>5</u>) 1. Poa trivialis	25	~	FACW	Problematic Hydrophytic	vegetation ¹ (Exp	olain)
2. Amphicarpaea bracteata	10	~	FAC			
3. Boehmeria cylindrica	10	~	FACW	¹ Indicators of hydric soil and wetland hydrology must		
4 Symplocarpus foetidus	15		OBL	be present, unless disturbed	•	
5. Rumex crispus	5		FAC	Definitions of Four Vegeta	tion Strata:	
6. Symphyotrichum species	5		ND	Tree - Woody plants, exclude	ling vines, 3 in. (7	'.6 cm) or
7. Viola sororia	15	~	FAC	more in diameter at breast h	eight (DBH), rega	rdless of
8. Lysimachia nummularia	10	- <u> </u>	FACW	height.		
9 Ageratina altissima	5		FACU	Sapling/Shrub – Woody pla	nts, excluding vin	ies, less
9. Ayeralina allissina	5		FACU	than 3 in. DBH and greater than or equal to 3.28 ft (1		
10				m) tall.		
11				Herb – All herbaceous (non-	woody) plants, re	gardless
	100	= Total Co	ver	of size, and woody plants les	ss than 3.28 ft tall	
50% of total cover: <u>50</u>	20% o	f total cove	r: <u>20</u>	Woody vine – All woody vin	es greater than 3	28 ft in
Woody Vine Stratum (Plot size: 15')				height.	ee greater anali e	
1						
2						
3						
4				Hudrophytic		
5				Hydrophytic Vegetation		
	0	= Total Co	ver	Present? Yes	<u> </u>	_
50% of total cover:0						
Remarks: (Include photo numbers here or on a separate s						
ND- species not determined not included in dom		est.				
-						

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Depth Matrix Redox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/2	85	7.5YR 4/6	15	С	M/PL	SIL	
8-16	7.5YR 4/2	90	7.5YR 4/6	10	С	М	CL	
					_ _	<u> </u>		
						·		
						·		
							<u> </u>	
						·		
		<u> </u>				·		
		<u> </u>				·		
¹ Type: C=Co	oncentration, D=Deple	etion, RM=F	Reduced Matrix, MS	=Masked	Sand Gr	ains.		Pore Lining, M=Matrix.
Hydric Soil	ndicators:						Indicato	ors for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2 cn	n Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Bel		· / •		·	st Prairie Redox (A16)
Black Hi	. ,		Thin Dark Sur			147, 148)	•	MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleyed	,	F2)			dmont Floodplain Soils (F19)
Stratified Layers (A5) // Depleted Matrix (F3) (MLRA 136, 147)							· · · · ·	
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,								
-	lucky Mineral (S1) (LF \ 147, 148)	KR N,	Iron-Mangane		es (F12) (LRR N,		
	ileyed Matrix (S4)		Umbric Surfac			6 122)	³ Indica	tors of hydrophytic vegetation and
	edox (S5)		Piedmont Floo					nd hydrology must be present,
	Matrix (S6)			•	, ,	•	•	s disturbed or problematic.
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Restrictive Layer (if observed):								
Type:	,							
· · ·	ches):						Hydric Soil Pr	resent? Yes 🔽 No
Remarks:								

Wetland ID <u>W-JM19-PFO</u> Cowardin Code <u>PFO</u> Date <u>10/22/20</u>



Photograph Number <u>529</u> Photograph Direction <u>NW</u>

Comments:



Photograph Number <u>530</u> Photograph Direction <u>SW</u>

Comments:



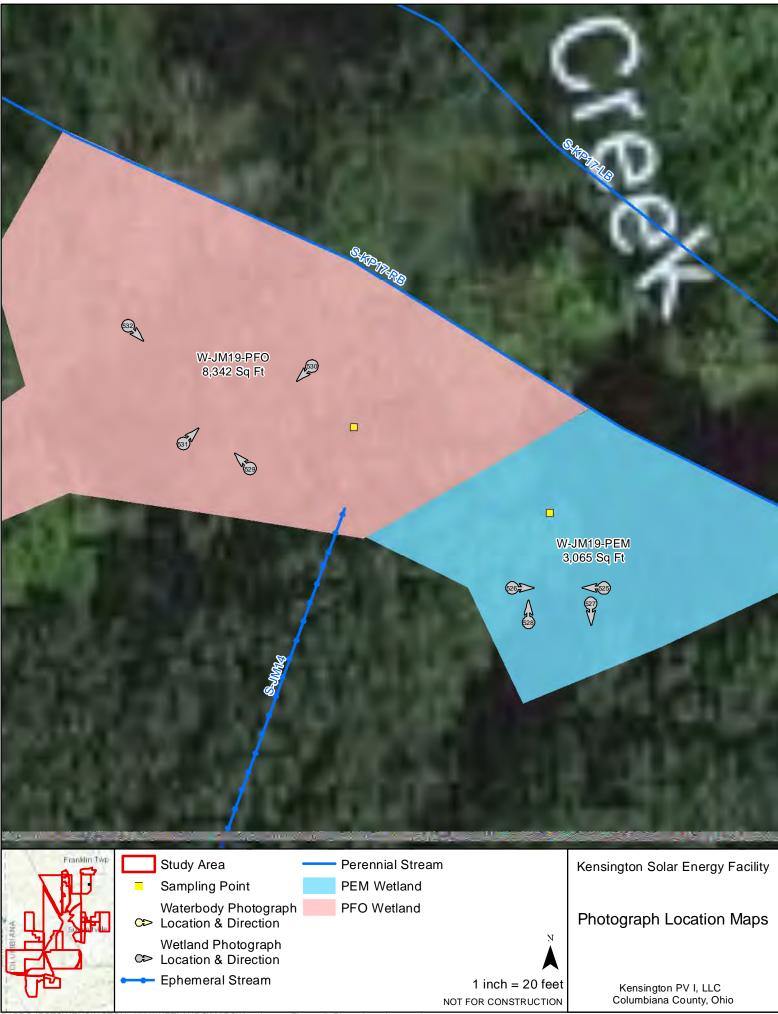
Photograph Number 531

Photograph Direction NE

Comments:



Photograph Number 532 Photograph Direction SE



:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

T14N R4W Linear 5400 NWI classifi o, explain in I cumstances" ain any answ , transect	Slope (%): 0-3 Datum: NAD 83 ication:	
T14N R4W Linear 5400 NWI classifi o, explain in I cumstances" ain any answ , transect	/ Slope (%): <u>0-3</u> Datum: NAD 83 ication: Remarks.) present? Yes No ers in Remarks.) s, important features, etc.	
Linear 5400 NWI classifi o, explain in I cumstances" ain any answ , transects	Slope (%): 0-3 Datum: NAD 83 ication: Remarks.) present? Yes No ers in Remarks.) s, important features, etc.	
5400 NWI classifi o, explain in I cumstances" ain any answ , transects	Datum: NAD 83 ication: Remarks.) present? Yes No ers in Remarks.) s, important features, etc.	
NWI classifi o, explain in l cumstances" ain any answ , transect s	ication: Remarks.) present? Yes <u>/</u> No ers in Remarks.) s, important features, etc.	
o, explain in l cumstances" ain any answ , transect a	Remarks.) present? Yes <u>/</u> No ers in Remarks.) s, important features, etc.	
cumstances" ain any answ , transect s	present? Yes <u>No</u> No ers in Remarks.) s, important features, etc.	
ain any answ , transect s	ers in Remarks.) s, important features, etc.	
, transect	s, important features, etc.	
Yes	No	
condary Indic	ators (minimum of two required)	
	l Cracks (B6)	
	egetated Concave Surface (B8)	
	Drainage Patterns (B10)	
Moss Trim Lines (B16)		
_ Dry-Season Water Table (C2)		
	Crayfish Burrows (C8)	
-	Saturation Visible on Aerial Imagery (C9)	
Saturation \	Stressed Plants (D1)	
Saturation \ Stunted or \$	r Position (1)2)	
Saturation \ Stunted or S Geomorphic		
Saturation N Stunted or S Geomorphic Shallow Aqu		
	Saturation Stunted or St	

			FAC-Neutral Tes	St (D5)	
Field Observations:					
Surface Water Present?	Yes	No	Depth (inches):		
Water Table Present?	Yes	No	Depth (inches):		
Saturation Present? (includes capillary fringe)	Yes	No	Depth (inches):	Wetland Hydrology Present?	Yes No
Describe Recorded Data (st	ream gauge	, monitoring	well, aerial photos, previous inspe	ctions), if available:	
Remarks:					

Sampling Point: W-JM19 UPL

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		
1 Nyssa sylvatica	20		FAC	Number of Dominant Species That are OBL EACW or EAC: 3 (A)
2. Prunus serotina	40		FACU	That Are OBL, FACW, or FAC: (A)
				Total Number of Dominant
3. Ulmus americana	10		FACW	Species Across All Strata: 7 (B)
4. Crataegus species	10		ND	
5				Percent of Dominant Species That Are OBL, FACW, or FAC:43(A/B)
6.				
				Prevalence Index worksheet:
/	00			Total % Cover of: Multiply by:
		= Total Cov		
50% of total cover: 40	20% of	total cover:	16	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Rosa multiflora	25	~	FACU	FAC species x 3 =
2. Prunus virginiana	5		FACU	FACU species x 4 =
3. Berberis thunbergii	20		FACU	UPL species x 5 =
			FACO	· <u> </u>
4				Column Totals: (A) (B)
5				Prevalence Index = B/A =
6				
7				Hydrophytic Vegetation Indicators:
				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: 25	20% of	total cover:	10	
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Polystichum acrostichoides	5		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Viola sororia	25	~	FAC	
				¹ Indicators of hydric soil and wetland hydrology must
3. Solidago species	10		ND	be present, unless disturbed or problematic.
4. Ageratina altissima	5		FACU	Definitions of Four Vegetation Strata:
5. Polygonum virginianum	5		FAC	Demitions of Four Vegetation of ata.
6. Rubus occidentalis	5		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7 Polygonum pensylvanicum	10	~	FACW	more in diameter at breast height (DBH), regardless of
••				height.
8. Alliaria petiolata	10	~	FACU	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	Tullo		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total access 27 F		= Total Cov		of size, and woody plants less than 3.28 it tall.
50% of total cover: <u>37.5</u>	<u>20% of</u>	total cover:	15	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 V
50% of total cover: 0	20% of	total cover:	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			
ND- species not determined	,			

Profile Desc	ription: (Describe to	o the dept	th needed to document the indicator or confirm	the absend	ce of indicators.)
Depth	Matrix		Redox Features		
(inches)	Color (moist)	%	Color (moist) % Type ¹ Loc ²	Texture	Remarks
0-5	10YR 4/3	100		SIL	
5-18	10YR 4/4	100		SIL	
<u> </u>		. <u> </u>			
¹ Type: C=C	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS=Masked Sand Grains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil					icators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 147,	148)	Coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
2 cm Mu	ıck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	(A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depressions (F8)		
Sandy N	lucky Mineral (S1) (Li	RR N,	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148)		MLRA 136)		
	Bleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		ndicators of hydrophytic vegetation and
	ledox (S5)		Piedmont Floodplain Soils (F19) (MLRA 14	•	wetland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 147	7) u	unless disturbed or problematic.
	Layer (if observed):				
Type:					
Depth (in	ches):			Hydric So	oil Present? Yes No
Remarks:					

Project/Site: Kensington	City/County: Columbiana		Sampling Date: 10/22/20	
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-JM20	
Investigator(s): JM, KP	Section, Township, Range: S	12 T14N R4W		
Landform (hillslope, terrace, etc.): Valley	Local relief (concave, convex, no	ne): Concave	Slope (%): 2-4	
Subregion (LRR or MLRA): LRRN La			Datum: NAD 83	
Soil Map Unit Name: Gavers silt loam, 2 to	o 6 percent slopes	NWI classific		
Are climatic / hydrologic conditions on the site typical f	for this time of year? Yes No	(If no, explain in Re	emarks.)	
Are Vegetation, Soil, or Hydrology	-		resent? Yes 🖌 No	
Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology		explain any answer		
SUMMARY OF FINDINGS – Attach site r				
			,	
Hydrophytic Vegetation Present? Yes	No Is the Sampled Area			
Hydric Soil Present? Yes V	No within a Wetland?	Yes 🖌	No	
Wetland Hydrology Present? Yes V Remarks: Cowardin Codo: DEM	No			
Remarks: Cowardin Code: PEM	HGM: Slope Water Type:			
HYDROLOGY				
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)	
Primary Indicators (minimum of one is required; check	sk all that apply)	Surface Soil (
Surface Water (A1)	True Aquatic Plants (B14)		jetated 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 Burr		
Drift Deposits (B3)	Thin Muck Surface (C7)	Saturation Vi	sible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Stunted or St	ressed Plants (D1)	
Iron Deposits (B5)		✓ Geomorphic	· · ·	
Inundation Visible on Aerial Imagery (B7)		Shallow Aqui		
Water-Stained Leaves (B9)			phic Relief (D4)	
Aquatic Fauna (B13)		FAC-Neutral	Test (D5)	
Field Observations: Surface Water Present? Yes No	Danth (inchas):			
	_ Depth (inches)			
		lydrology Presen	t? Yes 🖌 No	
(includes capillary fringe)	,		t? res	
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspections), if ava	ilable:		
Remarks:				
Nondrive.				

Sampling Point: W-JM20

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: <u>30'</u>)		Species?			
· · · · · · · · · · · · · · · · · · ·				Number of Dominant Species	(A)
				That Are OBL, FACW, or FAC: 2	(A)
2				Total Number of Dominant	
3				· · · · · · · · · · · · · · · · · · ·	(B)
4					. ,
				Percent of Dominant Species	
5	·	·		That Are OBL, FACW, or FAC: 100%	(A/B)
6					
7				Prevalence Index worksheet:	
	0	= Total Cov	or	Total % Cover of: Multiply by:	
50% of total cover:0				OBL species x 1 =	
15	20% 0	total cover.	0		
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		·			
4				Column Totals: (A)	(B)
5				Breachanna I. J. D/A	
				Prevalence Index = B/A =	
6				Hydrophytic Vegetation Indicators:	
7	- · ·			1 - Rapid Test for Hydrophytic Vegetation	
8				✓ 2 - Dominance Test is >50%	
9.					
- J	0			3 - Prevalence Index is ≤3.0 ¹	
		= Total Cov	~	4 - Morphological Adaptations ¹ (Provide supp	orting
50% of total cover:0	20% of	total cover:	0	data in Remarks or on a separate sheet)	0
Herb Stratum (Plot size: 5')				,	
1. Phalaris arundinacea	80	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain	ı)
2 Pharmites australis	20	 ✓ 	FACW		
2				¹ Indicators of hydric soil and wetland hydrology m	ust
3				be present, unless disturbed or problematic.	
4				Definitions of Four Vegetation Strata:	
				Demnitions of Four vegetation Strata:	
5				Tree - Woody plants, excluding vines, 3 in. (7.6 c	m) or
6				more in diameter at breast height (DBH), regardle	
7				height.	
8					
				Sapling/Shrub – Woody plants, excluding vines,	
9		·		than 3 in. DBH and greater than or equal to 3.28 f	ft (1
10				m) tall.	
11.				Herb – All herbaceous (non-woody) plants, regard	
	100	= Total Cov	or	of size, and woody plants less than 3.28 ft tall.	liess
50% of total cover: 50		total cover:			
4 51	20% 0	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			Present? Yes <u>V</u> No	
0		= Total Cov			
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	n needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			K Features	8			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/2	80	7.5YR 4/6	20	С	M/PL	CL	
							·	
	·		<u> </u>					
		······· ·						
·								
	oncentration, D=Deple	otion DM_	Poducod Motrix, MS	-Mookod	Sand Cr			L=Pore Lining, M=Matrix.
Hydric Soil	, ,	elion, Rivi=r	Reduced Matrix, MS	eiviaskeu	Sanu Gra	allis.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(\$7)				cm Muck (A10) (MLRA 147)
	bipedon (A2)		Polyvalue Bel		ce (S8) (N	ILRA 147.		oast Prairie Redox (A16)
Black Hi	,		Thin Dark Su				, <u> </u>	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye	. ,	•	, -,	P	iedmont Floodplain Soils (F19)
	d Layers (A5)		 Depleted Mat 		,			(MLRA 136, 147)
2 cm Mu	ick (A10) (LRR N)		Redox Dark S	Surface (F	6)		V	ery Shallow Dark Surface (TF12)
Depleted	d Below Dark Surface	e (A11)	Depleted Dar	k Surface	(F7)		0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depres					
	lucky Mineral (S1) (L	RR N,	Iron-Mangane		es (F12) (LRR N,		
	A 147, 148)		MLRA 136	,			2	
	Bleyed Matrix (S4)		Umbric Surfac					icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	laterial (F	21) (MLR	A 127, 147	') unl	less disturbed or problematic.
	_ayer (if observed):							
Туре:								4
Depth (ind	ches):						Hydric Soil	Present? Yes V No
Remarks:								

Photograph Page

Wetland ID <u>W-JM20</u> Cowardin Code <u>PEM</u> Date <u>10/22/20</u>



Photograph Number 533

Photograph Direction North

Comments:



Photograph Number <u>534</u> Photograph Direction <u>South</u>

Comments:



Photograph Number 535

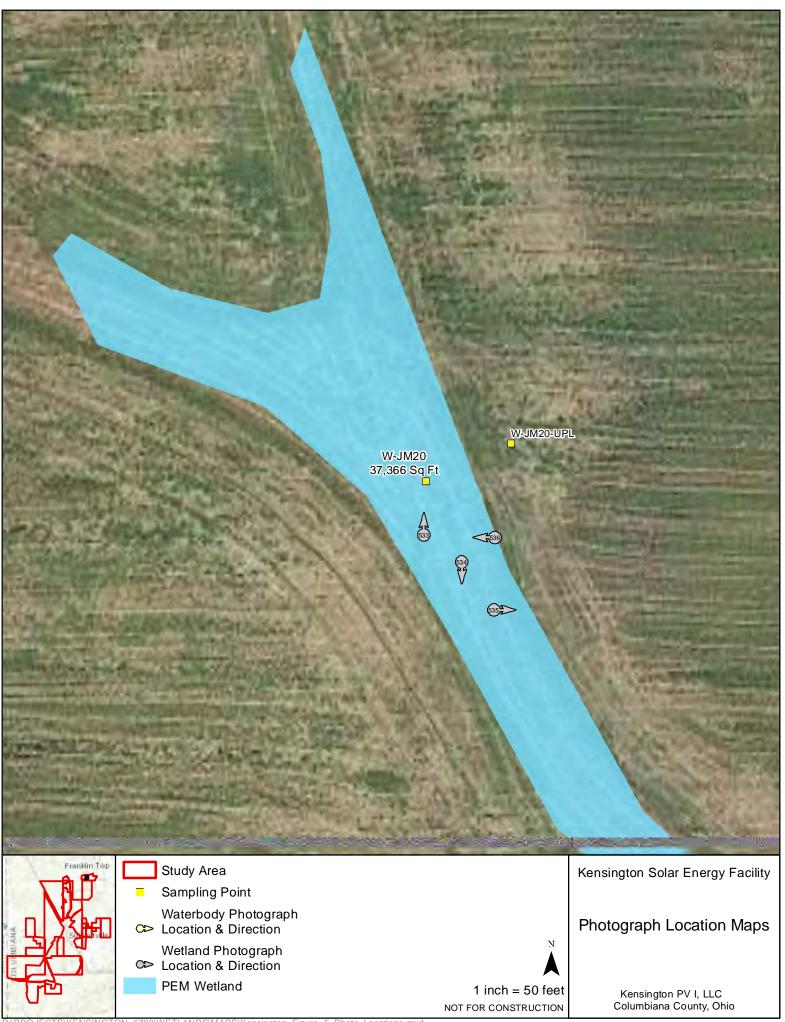
Photograph Direction East

Comments:



Photograph Number 536 Photograph Direction West

Comments:



PROJECTS/KENSINGTON_6789/WETLANDS/MAPS/Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington		Columbiana		Sampling Date: 10/22/20
Applicant/Owner: Kensington PV I, LLC		ounty: <u>Corampiana</u>	ou OH	Sampling Point: W-JM20-UF
Applicant/Owner: Kensington V I, LEO		C	_ State: <u>011</u>	_ Sampling Point: V 51020 Of
Investigator(s): JM, KP	Section	on, Township, Range: <u>S</u>	12 1 1411 1410	
Landform (hillslope, terrace, etc.): Valley	Local reli	ef (concave, convex, no	ne): Concave	Slope (%): <u>2-4</u>
Subregion (LRR or MLRA): LRRN	.at: 40.702395	Long: <u>-80</u>	0.876330	Datum: NAD 83
Soil Map Unit Name: Gavers silt loam, 2	to 6 percent slo	pes	NWI classific	ation: None
Are climatic / hydrologic conditions on the site typica	I for this time of year? Y	es 🔽 No	(If no, explain in R	emarks.)
Are Vegetation, Soil, or Hydrology	significantly distur	bed? Are "Norma	I Circumstances" p	oresent? Yes 🖌 No
Are Vegetation, Soil, or Hydrology _	naturally problema		explain any answe	
SUMMARY OF FINDINGS – Attach site	map showing san	iping point location	ons, transects	, important reatures, etc.
Hydrophytic Vegetation Present? Yes	No	le the Sempled Area		
	No 🖌	Is the Sampled Area within a Wetland?	Yes	No
Wetland Hydrology Present? Yes	No		100	
Remarks: Cowardin Code: UPLAND	HGM:	Water Type:		
	HOM.	Water Type.		
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; ch	eck all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)	True Aquatic Plants (I	B14)	Sparsely Veg	getated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Ode	or (C1)	Drainage Pat	tterns (B10)
Saturation (A3)	Oxidized Rhizosphere	es on Living Roots (C3)	Moss Trim Li	nes (B16)
Water Marks (B1)	Presence of Reduced	I Iron (C4)	Dry-Season	Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reductio	n in Tilled Soils (C6)	Crayfish Bur	
Drift Deposits (B3)	Thin Muck Surface (C			sible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Ren	narks)		tressed Plants (D1)
Iron Deposits (B5)			Geomorphic	
Inundation Visible on Aerial Imagery (B7)			Shallow Aqui	
Water-Stained Leaves (B9)			Microtopogra	
Aquatic Fauna (B13)			FAC-Neutral	Test (D5)
Field Observations:				
	Depth (inches):			
Water Table Present? Yes No				
	Depth (inches):	Wetland	Hydrology Presen	nt? Yes No 🖌
(includes capillary fringe) Describe Recorded Data (stream gauge, monitorin	a well perial photos pre	vious inspections), if av	ailable:	
Describe Recorded Data (stream gauge, monitorin	g weil, aenai priotos, pre			
Remarks:				

Sampling Point: W-JM20-UPL

20'	Absolute	Dominant I	ndicator	Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size: <u>30'</u>) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC:0	(A)
2 3				Total Number of Dominant Species Across All Strata: 1	(B)
4				Percent of Dominant Species	()
5 6					(A/B)
7				Prevalence Index worksheet:	
	0	= Total Cove	r	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 3 =	
2				FACU species x 4 =	
3				UPL species x 5 =	
4				Column Totals: (A)	(B)
5				Prevalence Index = B/A =	
6		·	<u> </u>	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 Cove	~	4 - Morphological Adaptations ¹ (Provide suppo	ortina
50% of total cover:0	20% of	total cover:	0	data in Remarks or on a separate sheet)	5
Herb Stratum (Plot size: 5') 1. Zea maze	100	 ✓ 	UPL	Problematic Hydrophytic Vegetation ¹ (Explain))
2				1	
3				¹ Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic.	ust
4				Definitions of Four Vegetation Strata:	
5				Deminions of Four Vegetation Strata.	
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cr	
7				more in diameter at breast height (DBH), regardles height.	ss of
8				logit	
9		·		Sapling/Shrub – Woody plants, excluding vines, le	ess
10.				than 3 in. DBH and greater than or equal to 3.28 ft m) tall.	. (1
11.				,	
···-	100	= Total Cove		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	lless
50% of total cover: 50	20% of	total cover:	20		
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft height.	t in
1					
2		·			
3		·	·		
4		·		Hydrophytic	
5	0			Vegetation Present? Yes No Ves	
		= Total Cove			
50% of total cover: 0		total cover:	0		
Remarks: (Include photo numbers here or on a separate s corn field	sheet.)				

Depth	Matrix		Redo	x Feature	S			
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 4/2	100					SIL	
5-18	10YR 4/4	100					GRSIL	
		·						
		·						
		·						
Type: C=C	oncentration, D=Dep	letion, RM=	Reduced Matrix. M	S=Masker	Sand Gra	ains	² l ocation: Pl =	Pore Lining, M=Matrix.
	Indicators:		<u></u>					ors for Problematic Hydric Soils ³
Histosol	(A1)		Dark Surface	e (S7)			2 cr	n Muck (A10) (MLRA 147)
	bipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147,		ast Prairie Redox (A16)
	stic (A3)		Thin Dark Su					MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye	• • •	•		•	dmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		,			MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark	. ,	6)		•	y Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Da	•				er (Explain in Remarks)
	ark Surface (A12)	0 (/(11)	Redox Depre		()			
	lucky Mineral (S1) (L		Iron-Mangan		,			
	A 147, 148)	-ixix i x ,	MLRA 13			LIXIX IN,		
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Indica	ators of hydrophytic vegetation and
Sandy R	Redox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	8) wetla	and hydrology must be present,
	Matrix (S6)		Red Parent I					ss disturbed or problematic.
estrictive	Layer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil P	resent? Yes No 🗹
emarks:								

Project/Site: Kensington	City/C	ounty: Columbiana		Sampling Date: 10/22/20
Applicant/Owner: Kensington PV I, LLC				Sampling Point: W-JM21
Investigator(s): JM, KP	Sectio	on, Township, Range: <u>S</u>	12 T14N R4W	
Landform (billslope terrace etc.). Valley	l ocal reli	ef (concave, convex, nor	ne). Concave	Slope (%)· 2-4
Landform (hillslope, terrace, etc.): Valley Subregion (LRR or MLRA): LRRN Lat	40.702745	Long: -80	.871736	0.000 (70) Datum: NAD 83
Soil Map Unit Name: Keene silt loam, 3 to	8 percent slor	Long		None
Are climatic / hydrologic conditions on the site typical f	-			· .
Are Vegetation, Soil, or Hydrology			Circumstances" pr	resent? Yes 🔽 No
Are Vegetation, Soil, or Hydrology			explain any answer	
SUMMARY OF FINDINGS – Attach site n	nap showing sam	pling point location	ons, transects,	important features, etc.
Hydrophytic Vegetation Present?YesHydric Soil Present?YesWetland Hydrology Present?Yes	No No No	Is the Sampled Area within a Wetland?	Yes 🖌	No
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type:		
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicat	ors (minimum of two required)
Primary Indicators (minimum of one is required; chec			Surface Soil C	
	True Aquatic Plants (I			etated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Odd		Drainage Patt	
			Moss Trim Lir	
	Presence of Reduced Recent Iron Reduction	. ,	Dry-Season v	Vater Table (C2)
	Thin Muck Surface (C		-	ible on Aerial Imagery (C9)
	Other (Explain in Rem			ressed Plants (D1)
Iron Deposits (B5)		nano)	Geomorphic F	, , , , , , , , , , , , , , , , , , ,
Inundation Visible on Aerial Imagery (B7)			Shallow Aquit	
Water-Stained Leaves (B9)			Microtopograp	ohic Relief (D4)
Aquatic Fauna (B13)			✓ FAC-Neutral	Fest (D5)
Field Observations:				
Surface Water Present? Yes No _				
Water Table Present? Yes <u>Ves</u> No	Depth (inches):	4		
Saturation Present? Yes <u>Ves</u> No	Depth (inches):	0 Wetland H	lydrology Present	? Yes 🖌 No
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, pre	vious inspections), if ava	ilable:	
Remarks:				
Nemarks.				

Sampling Point: W-JM21

	Absoluto	• Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species	
1				That Are OBL, FACW, or FAC: (A	4)
2					.,
				Total Number of Dominant Species Across All Strata: 2 (B	
3				Species Across All Strata: (B	5)
4				Percent of Dominant Species	
5		·		That Are OBL, FACW, or FAC: 100% (A	λ/B)
6				Describer of the description of	
7		. <u> </u>		Prevalence Index worksheet:	
	0	= Total Co	/er	Total % Cover of: Multiply by:	
50% of total cover: <u>0</u>		total cover		OBL species x 1 =	
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =	
1. Salix nigra	15	~	OBL	FAC species x 3 =	
		·		FACU species x 4 =	
2				UPL species x 5 =	
3					
4			- <u> </u>	Column Totals: (A) ((В)
5				Prevalence Index = B/A =	
6					
7				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	
8				✓ 2 - Dominance Test is >50%	
9			·	3 - Prevalence Index is $≤3.0^1$	
7.5		= Total Co		4 - Morphological Adaptations ¹ (Provide support	ting
50% of total cover: 7.5	20% of	total cover	:	data in Remarks or on a separate sheet)	•
				Problematic Hydrophytic Vegetation ¹ (Explain)	
1. Phalaris arundinacea	100	<u> </u>	FACW		
2				1	
3				¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.	st
4					
				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	
7			. <u> </u>	height.	
8				Sapling/Shrub – Woody plants, excluding vines, les	ee
9				than 3 in. DBH and greater than or equal to 3.28 ft ((1
10				m) tall.	
11.					
	100	= Total Co		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.	ess
50% of total cover: <u>50</u>		total cover			
	20 % 01			Woody vine - All woody vines greater than 3.28 ft in	n
Woody Vine Stratum (Plot size: 15')				height.	
1					
2			- <u> </u>		
3					
4					
5				Hydrophytic Vegetation	
	0	= Total Co		Present? Yes V No	
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	e of indicators.)
Depth	Matrix		Redo	x Features	6			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/2	80	7.5YR 4/6	20	С	M/PL	CL	
		·				·	-	
		·				·		
		<u> </u>				·		<u> </u>
						·		
		<u> </u>				·		
<u> </u>								
						·		<u> </u>
	oncentration, D=Deple	etion, RM=I	Reduced Matrix, MS	S=Masked	Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indio	cators for Problematic Hydric Soils ³ :
Histosol	· · /		Dark Surface	(S7)			:	2 cm Muck (A10) (MLRA 147)
Histic Ep	ipedon (A2)		Polyvalue Be	low Surfac	ce (S8) (N	ILRA 147,	148)	Coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (I	F2)			Piedmont Floodplain Soils (F19)
Stratified	Layers (A5)		Depleted Mat	trix (F3)				(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	Surface (F	6)			Very Shallow Dark Surface (TF12)
Depleted	Below Dark Surface	(A11)	Depleted Dar	k Surface	(F7)			Other (Explain in Remarks)
Thick Da	irk Surface (A12)		Redox Depre	ssions (F8	3)			
Sandy M	lucky Mineral (S1) (L	RR N,	Iron-Mangane	ese Masse	es (F12) (LRR N,		
MLRA	. 147, 148)		MLRA 13	6)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (MLRA 13	6, 122)	³ In	dicators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	8) w	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent M	Aaterial (F	21) (MLR	A 127, 147) u	nless disturbed or problematic.
Restrictive L	ayer (if observed):						-	-
Type:								
	(hoo);						Hydria Sa	il Present? Yes 🖌 No
	ches):						Hydric So	
Remarks:								

Photograph Page

Wetland ID W-JM21

Cowardin Code <u>PEM</u> Date <u>10/22/20</u>



Photograph Number 537 Photograph Direction West

Comments:



Photograph Number 538 Photograph Direction North

Comments:



Photograph Number 539

Photograph Direction East

Comments:



Photograph Number ____540 Photograph Direction South

Comments:



R:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

WETLAND DETERMINAT				-
Project/Site: Kensington	City/C	County: Columbiana		Sampling Date: <u>10/22/20</u> Sampling Point: <u>W-JM21-U</u>
Applicant/Owner: Kensington PV I, LLC		St	_{ate:} OH	Sampling Point: W-JM21-U
Investigator(s): JM, KP	Secti	on, Township, Range: S12 7	14N R4W	
Landform (hillslope, terrace, etc.): Valley	Local rel	ief (concave, convex, none):	Concave	Slope (%): 2-4
Subregion (I RR or MI RA) LRRN	at: 40.702703	Long: -80.872	2155	Datum: NAD 83
Subregion (LRR or MLRA): <u>LRRN</u> Soil Map Unit Name: Keene silt Ioam, 3 t	to 8 percent slop	pes	NWI classific	ation: None
Are climatic / hydrologic conditions on the site typica				
Are Vegetation, Soil, or Hydrology _	-			·
Are Vegetation, Soil, or Hydrology _				
			-	
SUMMARY OF FINDINGS – Attach site	and snowing san	npling point locations	, transects	, important features, etc.
Hydrophytic Vegetation Present? Yes	No	la tha Comulad Anas		
Hydric Soil Present? Yes	No 🖌	Is the Sampled Area within a Wetland?	Vos	No
Wetland Hydrology Present? Yes			103	
Remarks: Cowardin Code: UPLAND	HGM	Water Type:		
IYDROLOGY				
Wetland Hydrology Indicators:		Sec	condary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; ch	neck all that apply)		Surface Soil	Cracks (B6)
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Veg	etated Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Od	lor (C1)	Drainage Pat	terns (B10)
Saturation (A3)	Oxidized Rhizospher	es on Living Roots (C3)	Moss Trim Li	nes (B16)
Water Marks (B1)	Presence of Reduce	d Iron (C4)	Dry-Season	Water Table (C2)
Sediment Deposits (B2)	Recent Iron Reduction	on in Tilled Soils (C6)	Crayfish Burr	rows (C8)
Drift Deposits (B3)	Thin Muck Surface (sible on Aerial Imagery (C9)
	Other (Explain in Rei			ressed Plants (D1)
Iron Deposits (B5)			Geomorphic	
Inundation Visible on Aerial Imagery (B7)			Shallow Aqui	
Water-Stained Leaves (B9)		_		phic Relief (D4)
Aquatic Fauna (B13)			FAC-Neutral	Test (D5)
Field Observations:	Depth (inches):			
	 Depth (inches): Depth (inches): 			
Saturation Present? Yes No (includes capillary fringe)	Depth (inches):	Wetland Hydr	ology Presen	t? Yes No
Describe Recorded Data (stream gauge, monitorin	ng well, aerial photos, pre	evious inspections), if availabl	e:	
Remarks:				

Sampling Point: W-JM21-UPL

30'	Absolute	Dominant I		Dominance Test worksheet:	
<u>Tree Stratum</u> (Plot size: <u>30'</u>) 1	<u>% Cover</u>	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC:0 (A	A)
2 3				Total Number of Dominant Species Across All Strata:1(I	B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (/	A/B)
6				, Development la development	, ,
7				Prevalence Index worksheet:	
		= Total Cove		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 =	
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			<u> </u>	2 - Dominance Test is >50%	
9				3 - Prevalence Index is ≤3.0 ¹	
0		= Total Cove	~	4 - Morphological Adaptations ¹ (Provide suppo	orting
50% of total cover: 0	20% of	total cover:	0	data in Remarks or on a separate sheet)	•
Herb Stratum (Plot size: 5') 1. Zea maze	100	~	UPL	Problematic Hydrophytic Vegetation ¹ (Explain))
2				1	
3				¹ Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.	ist
4				Definitions of Four Vegetation Strata:	
5				Demitions of Four Vegetation Strata.	
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm	
7				more in diameter at breast height (DBH), regardles height.	ss of
8				noight.	
				Sapling/Shrub – Woody plants, excluding vines, le	
9 10.				than 3 in. DBH and greater than or equal to 3.28 ft m) tall.	(1
11	100	= Total Cove		Herb – All herbaceous (non-woody) plants, regardl of size, and woody plants less than 3.28 ft tall.	less
50% of total cover: 50	20% of	total cover:	20		
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft height.	in
1					
2					
3					
4				Hydrophytic	
5				Vegetation	
_		= Total Cove		Present? Yes No V	
50% of total cover: 0	20% of	total cover:	0		
Remarks: (Include photo numbers here or on a separate s corn field	heet.)				

Profile Desc	cription: (Describe t	o the dept	h 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
0-5	10YR 4/2	100		SIL
5-18	10YR 4/4	100		GRSIL
1				2
		etion, RM=	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :
Hydric Soil				-
Histosol	(A1) pipedon (A2)		 Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 	2 cm Muck (A10) (MLRA 147) 148) Coast Prairie Redox (A16)
	istic (A3)		Polyvalde Below Sufface (S8) (MLRA 147, 148)	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)	Very Shallow Dark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dark Surface (F7)	Other (Explain in Remarks)
·	ark Surface (A12)		Redox Depressions (F8)	
	/lucky Mineral (S1) (L	RR N.	Iron-Manganese Masses (F12) (LRR N,	
	A 147, 148)	,		
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)	³ Indicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 14	8) wetland hydrology must be present,
	l Matrix (S6)		Red Parent Material (F21) (MLRA 127, 147	') unless disturbed or problematic.
Restrictive	Layer (if observed):			
Туре:				
Depth (in	ches):			Hydric Soil Present? Yes No
Remarks:				

d Dia da -. _ . - -.

WEILAND	DETERMINA	ATION DATA FORM	- Eastern Mountail	ns and Piedmo	ont Region		
Project/Site: Kensington	sington <u>City/County:</u> Columbiana				Sampling Date: 10/22/20		
Applicant/Owner: Kensington			State: OH Sampling Point: W-KF				
Investigator(s): KMP JMM		Sectio	on, Township, Range; S	13 T14N R4W			
Landform (hillslope, terrace, etc.)							
Subregion (LRR or MLRA): LR							
Soil Map Unit Name: Orrville	silt loam, 0 to	3 percent slopes.	occasionally flood		Datum. <u></u>		
Are climatic / hydrologic condition		-					
Are Vegetation, Soil							
Are Vegetation, Soil	, or Hydrology	naturally problema	atic? (If needed, e	explain any answei	s in Remarks.)		
SUMMARY OF FINDING	S – Attach sit	te map showing sam	pling point location	ons, transects	, important features, etc.		
	t? Yes						
Hydrophytic Vegetation Presen Hydric Soil Present?	Yes		Is the Sampled Area	. .			
Wetland Hydrology Present?		✓ No	within a Wetland?	Yes	No		
Remarks: Cowardin Coo			Water Type:				
Cowardin Coc	le: PSS		water Type.				
HYDROLOGY							
Wetland Hydrology Indicators	3:			Secondary Indica	tors (minimum of two required)		
Primary Indicators (minimum of		check all that apply)		Surface Soil			
Surface Water (A1)		True Aquatic Plants (B14)	Sparsely Veg	etated Concave Surface (B8)		
 High Water Table (A2) 		Hydrogen Sulfide Od	or (C1)	Drainage Pat			
Saturation (A3)		✓ Oxidized Rhizosphere	es on Living Roots (C3)	Moss Trim Li	nes (B16)		
Water Marks (B1)		Presence of Reduced	I Iron (C4)	Dry-Season \	Vater Table (C2)		
Sediment Deposits (B2)		Recent Iron Reductio	n in Tilled Soils (C6)	Crayfish Burr	ows (C8)		
Drift Deposits (B3)		Thin Muck Surface (C	27)	Saturation Vi	sible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)		Other (Explain in Ren	narks)	Stunted or St	ressed Plants (D1)		
Iron Deposits (B5)				Ceomorphic	Position (D2)		
Inundation Visible on Aeria				Shallow Aqui			
Water-Stained Leaves (B9)	1				phic Relief (D4)		
Aquatic Fauna (B13)				FAC-Neutral	Test (D5)		
Field Observations:							
		Depth (inches):					
		Depth (inches):	0				
(includes capillary fringe)		Deptil (inches)		lydrology Presen	t? Yes 🖌 No		
Describe Recorded Data (strea	m gauge, monitor	ring well, aerial photos, pre	vious inspections), if ava	illable:			
Remarks:							
Tomano.							

Sampling Point: W-KP01

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1 Acer rubrum	10	~	FAC	That Are OBL, FACW, or FAC: 7 (A)
2 Nyssa sylvatica	5	~	FAC	
3. Quercus palustris	5		FACW	Total Number of Dominant
	<u></u>	<u> </u>	FACW	Species Across All Strata: 7 (B)
4		. <u> </u>		Demonst of Deminerat Creation
5				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
6				
7		· . <u> </u>	·	Prevalence Index worksheet:
/	20		·	Total % Cover of:Multiply by:
10		= Total Cov		OBL species x 1 =
50% of total cover: <u>10</u>	20% of	total cover	4	
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Cornus amomum	20	 ✓ 	FACW	FAC species x 3 =
2. Alnus serrulata	15		OBL	FACU species x 4 =
3 Spiraea tomentosa	25	~	FACW	UPL species x 5 =
·	10	·		Column Totals: (A) (B)
4. Sambucus nigra			FAC	
5. Rosa multiflora	10		FACU	Prevalence Index = B/A =
6				
				Hydrophytic Vegetation Indicators:
7		· . <u> </u>	·	1 - Rapid Test for Hydrophytic Vegetation
8		·	·	✓ 2 - Dominance Test is >50%
9			·	3 - Prevalence Index is $≤3.0^1$
	80	= Total Cov	rer	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 40	20% of	total cover	16	
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Poa trivialis	45	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Lysimachia nummularia	20	· · · ·	FACW	
		~		¹ Indicators of hydric soil and wetland hydrology must
3. Carex lupulina	10		OBL	be present, unless disturbed or problematic.
4. Symplocarpus foetidus	5		OBL	Definitions of Four Vegetation Strata:
5. Symphyotrichum prenanthoides	15		FAC	Demitions 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				Sanling/Shrub Woody planta evoluting vines 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.
10				
	95	·	·	Herb – All herbaceous (non-woody) plants, regardless
47.6		= Total Cov	er 10	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.5	20% of	total cover	19	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15')				height.
1				Ĭ
2.				
3		·	·	
4			·	Hydrophytic
5				Vegetation
	0	= Total Cov	rer	Present? Yes V No
50% of total cover: 0	20% of	total cover	0	
Remarks: (Include photo numbers here or on a separate s				
	neet.)			

Profile Desc	ription: (Describe to	the dept	h needed to docum	ent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	Features	6			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 4/2	95	7.5YR 5/8	5	С	Μ	SICL	
4-12	10YR 5/1	85	7.5YR 5/6	15	С	M/PL	CL	
12-16	10YR 5/1	75	7.5YR 5/6	25	С	Μ	CL	
						·		
						·		
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.								
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)				cm Muck (A10) (MLRA 147)
Histic Ep	ipedon (A2)		Polyvalue Bel	ow Surfac	ce (S8) (N	ILRA 147,	148) C	coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Sur	face (S9)	(MLRA 1	47, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleyed	d Matrix (I	F2)		P	iedmont Floodplain Soils (F19)
Stratified	Layers (A5)		Depleted Mate	rix (F3)				(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	Surface (F	6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surface	(A11)	Depleted Darl	•	,			Other (Explain in Remarks)
	irk Surface (A12)	()	Redox Depres					
	lucky Mineral (S1) (LI	RR N.	Iron-Mangane		,	LRR N.		
	147, 148)	,	MLRA 136		, <u>-</u>) (,		
Sandy G	leyed Matrix (S4)		Umbric Surfac	ce (F13) (MLRA 13	6, 122)	³ Ind	icators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Floor	odplain So	oils (F19)	(MLRA 14	8) we	tland hydrology must be present,
	Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	') un	less disturbed or problematic.
Restrictive L	ayer (if observed):							
Туре:								
Depth (inc	ches):						Hydric Soil	Present? Yes V No
Remarks:								

Photograph Page

Wetland ID <u>W-KP01</u> Cowardin Code <u>PSS</u> Date <u>10/22/20</u>



Photograph Number 541

Photograph Direction North

Comments:



Photograph Number <u>542</u> Photograph Direction <u>South</u>

Comments:



Photograph Number <u>543</u> Photograph Direction <u>West</u>

Comments:



Photograph Number 544
Photograph Direction ENE

Comments:



Project/Site: Kensington			City/County:	Columbiana		Sampling Date: 10/22	/20
Applicant/Owner: Kensington PV I,	LLC				State: OH	Sampling Point: W-	
Investigator(s): KMP JMM			Section, Tow	nship, _{Range:} S13	3 T14N R4V	V	
Landform (hillslope, terrace, etc.): Hill	slope					Slope (%):	2-3
Subregion (LRR or MLRA): LRRN	Lat	40.69629	0	Long: <u>-80.8</u>	78355	Datum: NAI) 83
Soil Map Unit Name: Orrville silt Ic	am, 0 to 3	percent sl	opes, occas	ionally floode	d _{NWI classi}	fication: None	
Are climatic / hydrologic conditions on t	ne site typical f	or this time of	year?Yes 🔽	No (If	no, explain in	Remarks.)	
Are Vegetation, Soil, or	Hydrology	significan	tly disturbed?	Are "Normal C	ircumstances'	' present? Yes 🗾 N	io
Are Vegetation, Soil, or	Hydrology	naturally	problematic?	(If needed, ex	olain any answ	vers in Remarks.)	
SUMMARY OF FINDINGS – A	ttach site n	nap showi	ng sampling	point location	s, transect	ts, important feature	s, etc.
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes Yes			Sampled Area	Yes	No	
Wetland Hydrology Present?	Yes	No 🗸					

Water Type:

HGM:

HYDROLOGY

Remarks:

Cowardin Code: UPLAND

Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
	 Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2)
 Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) 	 bils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks:	Wetland Hydrology Present? Yes No

Sampling Point: W-KP01-UPL

0.01	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1. Prunus serotina	30	~	FACU	That Are OBL, FACW, or FAC: (A)
2. Crataegus spp.	5		ND	
3				Total Number of Dominant Species Across All Strata: 5 (B)
				Species Across Air Strata. (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: (A/B)
6				Describence in descusering heads
7			<u> </u>	Prevalence Index worksheet:
	35	= Total Cov	/er	Total % Cover of: Multiply by:
50% of total cover:17.5				OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Fagus grandifolia	10	~	FACU	FAC species x 3 =
· · · · · · · · · · · · · · · · · · ·	5			FACU species x 4 =
2. Rosa multiflora	5	<u> </u>	FACU	
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				
	15	= Total Cov	/er	3 - Prevalence Index is $\leq 3.0^1$
50% of total cover: 7.5				4 - Morphological Adaptations ¹ (Provide supporting
C 1	20/0 01			data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5) 1. Dennstaedtia punctilobula	15	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Polystichum acrostichoides	15	~	FACU	¹ Indiantara of hydria and unstand hydrology must
3. Rubus occidentalis	10		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Fragaria vesca	10		FACU	
5. Ribes spp.	5		ND	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				Conting/Chruth Weady planta avaluding vince 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	55			Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov	/er 11	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 27.5	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
		= Total Cov	-	Present? Yes No V
50% of total cover: <u>0</u>	20% of	total cover	: <u>0</u>	
Remarks: (Include photo numbers here or on a separate s	heet.)			
	,			

Profile Desc	cription: (Describe t	o the deptl	h needed to document the indicator or confirm	the absence of	f indicators.)
Depth	Matrix		Redox Features		
(inches)	Color (moist)	%	Color (moist) % Type ¹ Loc ²	Texture	Remarks
0-12	10YR 4/3	100		SIL	
12-16	7.5YR 5/3	100		SIL	
12-10	7.5115/5	100			
		·			
		·			
¹ Type: C=C	oncentration, D=Depl	etion, RM=I	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL=	Pore Lining, M=Matrix.
Hydric Soil					ors for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface (S7)	2 cr	m Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Below Surface (S8) (MLRA 147,		ast Prairie Redox (A16)
	stic (A3)		Thin Dark Surface (S9) (MLRA 147, 148)	·	MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		dmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		MLRA 136, 147)
2 cm Mu	uck (A10) (LRR N)		Redox Dark Surface (F6)	Ver	y Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	(A11)	Depleted Dark Surface (F7)	Oth	er (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depressions (F8)		
Sandy N	/lucky Mineral (S1) (L	RR N,	Iron-Manganese Masses (F12) (LRR N,		
MLR	A 147, 148)		MLRA 136)		
Sandy G	Bleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)	³ Indica	ators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 14	8) wetla	and hydrology must be present,
	l Matrix (S6)		Red Parent Material (F21) (MLRA 127, 147	7) unles	ss disturbed or problematic.
Restrictive	Layer (if observed):				
Туре:					
Depth (in	ches):			Hydric Soil P	resent? Yes No 🖌
Remarks:				-	
r tomanto.					

WEILAND DEI ERIVIINAI	ION DATA FORM – Eastern Mountain	is and Fleum	ont Region
Project/Site: Kensington	City/County: Columbiana		Sampling Date: 10/22/20
Applicant/Owner: Kensington PV I, LLC			Sampling Point: W-KP02
	Section, Township, Range: <u>S</u>	13 T14N R4W	
Landform (hillslope, terrace, etc.): Terrace	Local relief (concave, convex, nor		
Subregion (LRR or MLRA): LRRN La			Datum: NAD 83
Soil Map Unit Name: Westmoreland-Berks cor			
Are climatic / hydrologic conditions on the site typical			
Are Vegetation, Soil, or Hydrology			
Are Vegetation, Soil, or Hydrology		explain any answe	
SUMMARY OF FINDINGS – Attach site			
SUMMART OF FINDINGS – Attach site			, important leatures, etc
Hydrophytic Vegetation Present?YesHydric Soil Present?YesWetland Hydrology Present?Yes	No Is the Sampled Area No within a Wetland?	Yes 🖌	No
Remarks: Cowardin Code: PEM	HGM: Riverine Water Type:		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indica	tors (minimum of two required)
Primary Indicators (minimum of one is required; che	eck all that apply)	Surface Soil	Cracks (B6)
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	 True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks) 	Drainage Par Moss Trim Li Dry-Season V Crayfish Burn Saturation Vi	nes (B16) Water Table (C2) rows (C8) sible on Aerial Imagery (C9) tressed Plants (D1)
Inundation Visible on Aerial Imagery (B7)		Shallow Aqui	· · ·
Matan Chained Leaving (DO)		Minuntan	mbin Daliaf (D4)

Inundation Visible on A	erial Imager	y (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):	_
Saturation Present? (includes capillary fringe)	Yes	No 🖌	_ Depth (inches):	Wetland Hydrology Present? Yes No
Describe Recorded Data (st	ream gauge	e, monitoring v	well, aerial photos, previous	inspections), if available:
Remarks:				

Sampling Point: W-KP02

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u>)		Species?		Number of Dominant Species
1. Ulmus rubra	10	v	FAC	That Are OBL, FACW, or FAC:3 (A)
		·		
2				Total Number of Dominant
3		·		Species Across All Strata: <u>3</u> (B)
4				Demont of Deminent Creation
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6				
				Prevalence Index worksheet:
7		·		Total % Cover of: Multiply by:
_		= Total Cov		
50% of total cover: 5	20% of	total cover:	2	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				Drevelence Index D/A
6				Prevalence Index = B/A =
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9		<u> </u>		3 - Prevalence Index is $\leq 3.0^1$
	0	= Total Cov	er	
50% of total cover: 0		total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
Poa trivialis	40	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Viola cucullata	15	. <u> </u>	FACW	¹ Indiastors of hydric soil and watland hydrology must
3. Ranunculus repens	25	<u> </u>	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Galium palustre	20		OBL	•
		·		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				
9				Sapling/Shrub – Woody plants, excluding vines, less
		·		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				
11	- 100			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	f total cover:	20	
Woody Vine Stratum (Plot size: 15')				Woody vine – All woody vines greater than 3.28 ft in
````				height.
1				
2				
3				
4				Undreadentie
5				Hydrophytic Vegetation
	0	- Total Cav		Present? Yes V No
		= Total Cov		
50% of total cover: 0		f total cover:	0	
Remarks: (Include photo numbers here or on a separate s	sheet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox	Features	3			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 4/2	97	5YR 4/8	3	С	Μ	SIL	
8-16	10YR 4/2	90	5YR 4/6	10	С	Μ	SICI	
						·		
						·		
						·		-
						·		
	oncentration, D=Deple	tion PM-	Poducod Motrix, MS	Mookod	Sand Cr		² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil		elion, kivi=r		INIASKEU	Sanu Gr	all 15.		cators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				2 cm Muck (A10) <b>(MLRA 147)</b>
	pipedon (A2)		Polyvalue Bel	· · ·	ce (S8) <b>(N</b>	ILRA 147.		Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Sur					(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed	, ,	•	···, ··· <b>,</b>		Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mate		_/			(MLRA 136, 147)
	uck (A10) <b>(LRR N)</b>		Redox Dark S	. ,	6)			Very Shallow Dark Surface (TF12)
	d Below Dark Surface	(A11)	Depleted Dark		,			Other (Explain in Remarks)
	ark Surface (A12)	( )	Redox Depres					
	lucky Mineral (S1) (LI	RR N.	Iron-Mangane	•		LRR N.		
	A 147, 148)	,				,		
	Bleyed Matrix (S4)		Umbric Surfac		MLRA 13	6, 122)	³ In	dicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floo					vetland hydrology must be present,
	Matrix (S6)		Red Parent M	•	• •	•	•	nless disturbed or problematic.
Restrictive	Layer (if observed):							
Type:								
Depth (in	ches):						Hydric So	il Present? Yes 🖌 No
Remarks:								

## Photograph Page

Wetland ID <u>W-KP02</u> Cowardin Code <u>PEM</u> Date <u>10/22/20</u>



Photograph Number <u>545</u>

Photograph Direction North

Comments:



Photograph Number <u>546</u> Photograph Direction South

Comments:



Photograph Number 547

Photograph Direction West

Comments:



Photograph Number 548 Photograph Direction North

Comments:



Project/Site: Kensington		Cit		ibiana		Sampling Date: 10	/22/20	
Applicant/Owner: Kensingt	on PV I. LLC	Oit	ly/County: <u></u>	Ctot	·	Sampling Date:	W-KP02-UF	
			State: OH Sampling Point: W-KP02-UP Section, Township, Range: S13 T14N R4W					
Investigator(s): KMP JMM	Hillslope	Se	ection, Township, H	Range: 01011			2-3	
Landform (hillslope, terrace, e								
Subregion (LRR or MLRA): <u>l</u>	<u>_RRN</u>	Lat: 40.695721	Lo	-			NAD 83	
Soil Map Unit Name: Cosh	locton slit loan	n, 6 to 15 perc	ent slopes	N	WI classificat	_{ion:} None		
Are climatic / hydrologic cond	itions on the site typica	al for this time of year?	?Yes 🖌 No	(If no, e	explain in Rer	narks.)		
Are Vegetation, Soil	, or Hydrology _	significantly dis	sturbed? Are	e "Normal Circun	nstances" pre	esent?Yes 🖌	No	
Are Vegetation, Soil	, or Hydrology _	naturally proble	ematic? (If	needed, explain	any answers	in Remarks.)		
SUMMARY OF FINDIN				locations, tr	ransects.	important feat	ures, etc.	
		inap onothing o			anoooto,			
Hydrophytic Vegetation Pres Hydric Soil Present? Wetland Hydrology Present?	Yes	No_ ✓ No_ ✓ No_ ✓	Is the Sample within a Wetl		Yes	No 🖌		
Domorko	Code: UPLAND	HGM:	\\/_t_t_	r Type:				
HYDROLOGY								
Wetland Hydrology Indica	tors:			Secon	idary Indicato	rs (minimum of tw	o required)	
Primary Indicators (minimun	<u>n of one is required; ch</u>	neck all that apply)		Si	urface Soil C	racks (B6)		
Surface Water (A1)		True Aquatic Plan	lants (B14) Sparsely Vegetated 0			tated Concave Su	rface (B8)	
High Water Table (A2)	-	Hydrogen Sulfide	Odor (C1)	Dr	rainage Patte	erns (B10)		
Saturation (A3)	-	Oxidized Rhizospł	-		oss Trim Line			
Water Marks (B1)	-	Presence of Redu			-	ater Table (C2)		
Sediment Deposits (B2)	-		eduction in Tilled Soils (C6) Crayfish Burrows (C8) face (C7) Saturation Visible on Aerial Imagery (C9)					
Drift Deposits (B3)	-	Thin Muck Surface				-	ery (C9)	
Algal Mat or Crust (B4)	-	Other (Explain in F	Remarks)			essed Plants (D1)		
Iron Deposits (B5) Inundation Visible on Ae	erial Imagery (B7)				eomorphic Po hallow Aquita			
Water-Stained Leaves (						nic Relief (D4)		
Aquatic Fauna (B13)					AC-Neutral T			
Field Observations:								
Surface Water Present?		Depth (inches):						
Water Table Present?		Depth (inches):						
Saturation Present? (includes capillary fringe)		Depth (inches):		-	ogy Present?	Yes	No	
Describe Recorded Data (st	ream gauge, monitorir	ng well, aerial photos,	previous inspection	ns), if available:				
Remarks:								
Remains.								

# Sampling Point: W-KP02-UPL

20'	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u> )		Species?		Number of Dominant Species
1. Quercus alba	15		FACU	That Are OBL, FACW, or FAC: (A)
2. Quercus rubra	15	<ul> <li>✓</li> </ul>	FACU	Total Number of Dominant
3. Acer saccharum	5		FACU	Species Across All Strata: 7 (B)
4				Descent of Deminent Species
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0 (A/B)
6				、 ,
7.				Prevalence Index worksheet:
	35	= Total Cov	er	Total % Cover of:Multiply by:
50% of total cover:17.5				OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
1. Fagus grandifolia	5	~	FACU	FAC species x 3 =
2. Rosa multiflora	5	~	FACU	FACU species x 4 =
Acer saccharum	5	~	FACU	UPL species x 5 =
··				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
		= 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' )	. –			
1. Galium aparine	15	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Alliaria petiolata	15	~	FACU	1
3. Thalictrum thalictroides	5		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Polystichum acrostichoides	5		FACU	
5				Definitions of Four Vegetation Strata:
6				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 m) tall.
10				111 <i>)</i> tali.
11	40			Herb – All herbaceous (non-woody) plants, regardless
20		= Total Cov	•	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 20	20% of	total cover	0	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 V
50% of total cover: 0	20% of	total cover:	0	
Remarks: (Include photo numbers here or on a separate s	heet.)			

Profile Desc	cription: (Describe t	the depth	n needed to document	the indicator	or confirm	the absence of indica	ators.)	
Depth	Matrix		Redox Fea		2	<b>-</b> .		
(inches)	Color (moist)	<u>%</u>	Color (moist) %	<u>6 Type¹</u>	Loc ²	Texture	Remarks	
0-10	10YR 4/4	100				SIL		
					·			
					· ·			
				·	· ·			
¹ Type: C=C	oncentration, D=Depl	etion, RM=F	Reduced Matrix, MS=Ma	sked Sand Gr	ains.	² Location: PL=Pore Li	ining, M=Matrix.	
Hydric Soil	Indicators:					Indicators for	Problematic Hydric Soils ³ :	
Histosol	(A1)		Dark Surface (S7)			2 cm Muck	(A10) <b>(MLRA 147)</b>	
Histic E	pipedon (A2)		Polyvalue Below S	urface (S8) (N	ILRA 147, 1	48) Coast Prai	rie Redox (A16)	
Black H	istic (A3)		Thin Dark Surface	(S9) (MLRA	47, 148)	(MLRA	147, 148)	
Hydroge	en Sulfide (A4)		Loamy Gleyed Ma				Floodplain Soils (F19)	
	d Layers (A5)		Depleted Matrix (F			(MLRA 136, 147)		
2 cm Mu	uck (A10) (LRR N)		Redox Dark Surfac	ce (F6)		Very Shallow Dark Surface (TF12)		
Deplete	d Below Dark Surface	e (A11)	Depleted Dark Sur	face (F7)		Other (Exp	lain in Remarks)	
Thick D	ark Surface (A12)		Redox Depression	s (F8)				
Sandy M	Mucky Mineral (S1) <b>(L</b>	.RR N,	Iron-Manganese N	lasses (F12) <b>(</b>	LRR N,			
MLR	A 147, 148)		MLRA 136)					
Sandy C	Gleyed Matrix (S4)		Umbric Surface (F	13) <b>(MLRA 1</b> 3	6, 122)	³ Indicators of	hydrophytic vegetation and	
Sandy Redox (S5)			Piedmont Floodpla	ain Soils (F19)	(MLRA 148	) wetland hyd	rology must be present,	
	d Matrix (S6)		Red Parent Materi	al (F21) <b>(MLR</b>	A 127, 147)	unless distu	rbed or problematic.	
Restrictive	Layer (if observed):							
Type: R	oot							
Depth (in	_{ches):} 10"+					Hydric Soil Present	? Yes No 🖌	
Remarks:								

Project/Site: Kensington	City/Co	ounty: Columbiana	Sampling Date: 03/01/21			
Applicant/Owner: Kensington PV I, LLC			Sampling Point: W-JM22			
	Section					
Landform (hillslope, terrace, etc.): Hillslope						
Subregion (LRR or MLRA): LRRN		Long: -80				
Soil Map Unit Name: BkD: Berks channery	silt loam 15 to 25 perc	Long	Datum 10 CD CO			
Are climatic / hydrologic conditions on the site type			· · · · · · · · · · · · · · · · · · ·			
			Circumstances" present? Yes <u>V</u> No			
Are Vegetation, Soil, or Hydrology	naturally problemat	tic? (If needed, e	xplain any answers in Remarks.)			
SUMMARY OF FINDINGS – Attach si	te map showing sam	pling point locatio	ns, transects, important features, etc.			
Hydrophytic Vegetation Present?       Yes         Hydric Soil Present?       Yes         Wetland Hydrology Present?       Yes		Is the Sampled Area within a Wetland?	Yes 🥢 No			
Remarks: Cowardin Code: PEM	HGM: Slope	Water Type:	A4WETABUT			
HYDROLOGY						
			Secondary Indicators (minimum of two required)			
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required;	abaak all that apply)		Secondary Indicators (minimum of two required)			
Surface Water (A1)	True Aquatic Plants (B	214)	<ul> <li>Surface Soil Cracks (B6)</li> <li>Sparsely Vegetated Concave Surface (B8)</li> </ul>			
High Water Table (A2)	Hydrogen Sulfide Odo		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)	Other (Explain in Rem	in in Remarks) Stunted or Stressed Plants (D1)				
Iron Deposits (B5)			<ul> <li>Geomorphic Position (D2)</li> </ul>			
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 H	lydrology Present? Yes 🖌 No			
Describe Recorded Data (stream gauge, monito	ring well, aerial photos, prev	vious inspections), if ava	ilable:			
Remarks: Surface water saturation and high wate Not checked for hydrology indicators.	r table unlikely but bec	ause of recent sno	w melt and rain event look to be present.			

Sampling Point: W-JM22

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u> )	% Cover	Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: [B]
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100 (A/B)
6				
_				Prevalence Index worksheet:
7	0			Total % Cover of: Multiply by:
		= Total Cove		OBL species         x 1 =
50% of total cover: <u>0</u>	20% of	total cover:	0	
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				
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	0	= Total Cove	er	
50% of total cover: <u>0</u>	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. Phalaris arundinacea	65	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
··	15		FACW	
2. Juncus effusus				¹ Indicators of hydric soil and wetland hydrology must
3. Juncus tenuis	10		FAC	be present, unless disturbed or problematic.
_{4.} Alopecurus species	5		ND	Definitions of Four Vegetation Strata:
5. Carex species	5		ND	Demittoris of Four Vegetation Strata.
				<b>Tree</b> – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				<b>Capling/Chrub</b> Weady plants evoluting visco loss
9				<b>Sapling/Shrub</b> – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
10				, , , , , , , , , , , , , , , , , , , ,
11	100			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>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				Hydrophytic
5				Vegetation
	0	= Total Cove	۹r	Present? Yes 🖌 No
50% of total cover: 0		total cover:		
Remarks: (Include photo numbers here or on a separate s	neet.)			

Profile Des	cription: (Describe te	o the dept	n needed to docum	nent the i	ndicator	or confirm	the absence	e of indicator	s.)	
Depth	Matrix		Redox	Features	3					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	<u></u>	Remarks	
0-6	10YR 5/2	95	10YR 4/6	5	С	M/PL	SICL			
6-20	10YR 5/1	90	10YR 5/6	10	С	Μ	GRCL			
0-20		90	1011 3/0	10	0		GRUE			
						·				
		<u> </u>				·				
								<u> </u>		<u> </u>
			<u> </u>					· .		
·		<u> </u>				·		·		
¹ Type: C=C	oncentration, D=Deple	etion. RM=F	Reduced Matrix. MS	=Masked	Sand Gr	ains.	² Location: F	PL=Pore Linin	a. M=Matrix.	
Hydric Soil			,						blematic Hyd	Iric Soils ³ :
Histoso			Dark Surface	(S7)					10) <b>(MLRA 14</b>	
	pipedon (A2)		Polyvalue Bel	· /	ce (S8) <b>(N</b>	ILRA 147.		Coast Prairie I	<i>,</i> ,	.,
	istic (A3)		Thin Dark Su					(MLRA 147		
	en Sulfide (A4)		Loamy Gleye	. ,	•	,,		•	,e <b>,</b> odplain Soils (I	=19)
	d Layers (A5)		Depleted Mat		_/			(MLRA 136	• •	
	uck (A10) <b>(LRR N)</b>		Redox Dark S	. ,	6)		,	•	, orr <b>,</b> Dark Surface (	TF12)
	d Below Dark Surface	(A11)	Depleted Dar		,			Other (Explain		,,
	ark Surface (A12)	( )	Redox Depre		. ,				,	
	Mucky Mineral (S1) (L	RR N.	Iron-Mangane			LRR N.				
-	A 147, 148)	,				,				
	Gleyed Matrix (S4)		Umbric Surfa	, ce (F13) <b>(</b>	MLRA 13	6, 122)	³ In	dicators of hyd	drophytic vege	tation and
	Redox (S5)		Piedmont Flo					•	gy must be pr	
	d Matrix (S6)		Red Parent M	•	. ,	•		•	d or problema	
Restrictive	Layer (if observed):								-	
Type:										
Depth (in	ches):						Hvdric Soi	I Present?	Yes 🖌	No
Remarks:										
Remarks.										

## Wetland ID W-JM22

Cowardin Code PEM Date 03/01/21



Photograph Number 629 Photograph Direction West

Comments:



Photograph Number 630 Photograph Direction SW

Comments:



Photograph Number 631

Photograph Direction East

Comments:



Photograph Number ____632 Photograph Direction WSW



ROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington	City/County: C	olumbiana	Sampling	g Date: 03/01	/21
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-		
	Section, Towns	ship, Range: N/A			
		ve, convex, none):	Linear	Slope (%)	<u>0-3%</u>
Subregion (LRR or MLRA): LRRN Lat: 40.683128		Long: <u>-80.86</u>	6398	Datum: NA	D 83
Soil Map Unit Name: BkB: Berks channery silt loam, 3 to 8 p	percent slope	s	NWI classification: N		
Are climatic / hydrologic conditions on the site typical for this time of ye	ear?Yes 🖌	No (If n	o, explain in Remarks.)		
Are Vegetation, Soil, or Hydrology significantly	y disturbed?	Are "Normal Cir	cumstances" present?	Yes 🖌	No
Are Vegetation, Soil, or Hydrology naturally pr	roblematic?	(If needed, expl	ain any answers in Rem	arks.)	
SUMMARY OF FINDINGS – Attach site map showing	g sampling p	oint locations	, transects, impor	tant featur	es, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes <u>No</u> V Yes <u>No</u> V Yes <u>No</u> V		Is the Sampled Area within a Wetland?	Yes	No	<u>v</u>	
Remarks: Cowardin Code: UPI	_AND	HGM:		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)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizospheres on Living	Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in Tilled Sc	bils (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):	
Surface Water Present?       Yes       No _         Depth (inches):         Water Table Present?       Yes       No _         Depth (inches):	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):	Wetland Hydrology Present? Yes No/
Water Table Present? Yes No V Depth (inches):	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Ves       Ves       Ves	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Ves       Ves       Ves	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	
Water Table Present?       Yes       No       ✓       Depth (inches):         Saturation Present?       Yes       No       ✓       Depth (inches):         (includes capillary fringe)       Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective	

Sampling Point: W-JM22, JM23-UPL

. ,	Abaabata	-	L. P. stan	Deminence Test werderbest
Tree Stratum (Plot size: <u>30'</u> )		Dominant Species?		Dominance Test worksheet:
				Number of Dominant Species That Are OBL EACW or EAC: $0$ (A)
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3				Species Across All Strata: <u>2</u> (B)
4				
5				Percent of Dominant Species That Are OBL EACW or EAC: $0\%$ (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: 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				Dravalance Index D/A
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
	0	= Total Cov	er	
50% of total cover: 0	20% of	f total cover:	0	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1 Phleum pratense	50	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	30	·	FACU	
2. Dactylis glomerata		<u> </u>		¹ Indicators of hydric soil and wetland hydrology must
3. Achillea millefolium	5	<u> </u>	FACU	be present, unless disturbed or problematic.
4. Plantago major	5		FACU	
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
6. <u></u>		·		more in diameter at breast height (DBH), regardless of
7				height.
8		<u> </u>		Conting (Chrysh - W/contrologite evelutions since to a
9				<b>Sapling/Shrub</b> – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
				,
11	100	·		Herb – All herbaceous (non-woody) plants, regardless
50		= Total Cov	~~~	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>50</u>	20% of	f total cover:	20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15' )				height.
1.				- Toght
2		·		
2		·		
3		·		
4				Hydrophytic
5				Vegetation
	0	= Total Cov	er	Present? Yes No 🖌
50% of total cover:0				
Remarks: (Include photo numbers here or on a separate s	neet.)			

Depth (inches)         Matrix         Redox Features           0-10         10YR 5/4         100         %         Type ¹ Loc ² Texture         Remarks           10-15         10YR 5/6         100         SIC         SIC         SIC
(inches)         Color (moist)         %         Color (moist)         %         Type ¹ Loc ² Texture         Remarks           0-10         10YR 5/4         100
10-15         10YR 5/6         100         SIC
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 Soils ³ :
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)
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)
Indiagon cannot (11) Learny cloyed matrix (12) Indianot in corplant cond (110) Indianot in corplant cond (110) Indianot in corplant cond (110) Indianot (110) In
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) ³ Indicators of hydrophytic vegetation and
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):
Type:
Depth (inches): No
Remarks:

Project/Site: Kensington	City/County: Colur	nbiana	Sampling I	_{Date:} 03/01/21
Applicant/Owner: Kensington PV I, LLC		<b>.</b>	Sampling Point: W-JI	
	Section, Township,		1 0	
Landform (hillslope, terrace, etc.): Hillslope			oncave	Slope (%)· 2-4
Subregion (LRR or MLRA): LRRN Lat: 40.68			22	
Soil Map Unit Name: VnC: Vandergift silt loam, 6 to 15	5 percent slopes	_ong		M1A
Are climatic / hydrologic conditions on the site typical for this tir	-			
Are Vegetation, Soil, or Hydrology sign		re "Normal Circum	stances" present? Y	es No
Are Vegetation, Soil, or Hydrology natu	urally problematic? (If	needed, explain a	any answers in Remar	·ks.)
SUMMARY OF FINDINGS – Attach site map sh	owing sampling poin	t locations, tr	ansects, importa	ant features, etc.
Hydric Soil Present? Yes <u>V</u> No_	Is the Samp within a Wet		″es 🔽 No _	
Remarks: Cowardin Code: PEM HGM:	: Slope Wate	er Type: A4WE	TABUT	
HYDROLOGY				
Wetland Hydrology Indicators:			dary Indicators (minim	
Primary Indicators (minimum of one is required; check all that			rface Soil Cracks (B6)	
	quatic Plants (B14)		arsely Vegetated Con	
	jen Sulfide Odor (C1) ed Rhizospheres on Living Ro		ainage Patterns (B10) oss Trim Lines (B16)	
	ice of Reduced Iron (C4)	. ,	y-Season Water Table	e (C2)
	t Iron Reduction in Tilled Soil		ayfish Burrows (C8)	(02)
	uck Surface (C7)		turation Visible on Ae	rial Imagery (C9)
	Explain in Remarks)		unted or Stressed Plar	
Iron Deposits (B5)		<u>🖌</u> Ge	eomorphic Position (D2	2)
Inundation Visible on Aerial Imagery (B7)			allow Aquitard (D3)	
Water-Stained Leaves (B9)			crotopographic Relief	(D4)
Aquatic Fauna (B13)		FA	C-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes No Depth				
Water Table Present? Yes No V Depth			_	
Saturation Present? Yes No <u>V</u> Depth (includes capillary fringe)	(inches):	Wetland Hydrolo	gy Present? Yes _	<u> No</u>
Describe Recorded Data (stream gauge, monitoring well, aeri	ial photos, previous inspection	ons), if available:		
Remarks: Surface water saturation and high water table unli Not checked for hydrology indicators.	kely but because of re	cent snow mel	t and rain event lo	ook to be present.

Sampling Point: W-JM23

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u> )		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: (A)
2				Total Number of Dominant
3		·		Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100% (A/B)
6				
				Prevalence Index worksheet:
7	0			Total % Cover of:Multiply by:
		= Total Cove		OBL species         x 1 =
50% of total cover: <u>0</u>	20% of	total cover:	0	
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		·		· <u> </u>
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
	0	= Total Cove	er	
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 Phalaris arundinacea	60	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
			FACW	
2. Juncus effusus	10			¹ Indicators of hydric soil and wetland hydrology must
3. Juncus tenuis	10		FAC	be present, unless disturbed or problematic.
4. Alopecurus pratensis	5		FACW	
5. Carex vulpinoidea	5		OBL	Definitions of Four Vegetation Strata:
6. Phleum pratense	10	·	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. <u></u>		·		more in diameter at breast height (DBH), regardless of
7				height.
8				
9				<b>Sapling/Shrub</b> – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.		· · · · · · · · · · · · · · · · · · ·		m) tall.
10		·		
11	100	·		Herb – All herbaceous (non-woody) plants, regardless
	100	= Total Cove	er	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 vince greater than 2.29 ft in
Woody Vine Stratum (Plot size: 15' )				<b>Woody vine</b> – All woody vines greater than 3.28 ft in height.
1				Tolght
2				
3				
4				Hydrophytic
5				Vegetation
	0	= Total Cove	or.	Present? Yes V No
50% of total cover: 0		total cover:	~	
			<u> </u>	
Remarks: (Include photo numbers here or on a separate s	heet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix			k Features	S					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-8	10YR 4/2	90	7.5YR 4/6	10	С	M/PL	SICL			
8-20	10YR 5/2	90	7.5YR 5/6	10	С	М	GRCL			
	101113/2		11011110/0		<u> </u>	101				
	·					·				
						·				
						·				
	·	·				·				
$\frac{1}{1}$	Concentration, D=Deple	tion DM	Boducod Matrix MS	Maakad	- Cr		² Location: D	L=Pore Lining, M=Matrix.		
Hydric Soil			Reduced Matrix, Mc		I Sanu Gr	airis.		ators for Problematic Hydric Soils ³ :		
Histoso			Dark Surface	(97)				2 cm Muck (A10) <b>(MLRA 147)</b>		
	pipedon (A2)		Polyvalue Bel	· ,	ce (S8) <b>(N</b>	II RA 147.		Coast Prairie Redox (A16)		
	listic (A3)		Thin Dark Su		· · ·		c	(MLRA 147, 148)		
	en Sulfide (A4)		Loamy Gleye			, ,	P	Piedmont Floodplain Soils (F19)		
	d Layers (A5)		Depleted Mat				(MLRA 136, 147)			
2 cm M	uck (A10) <b>(LRR N)</b>		Redox Dark S	Surface (F	6)		Very Shallow Dark Surface (TF12)			
Deplete	d Below Dark Surface	(A11)	Depleted Dar	k Surface	(F7)		C	Other (Explain in Remarks)		
	ark Surface (A12)		Redox Depre		,					
	Mucky Mineral (S1) (L	RR N,	Iron-Mangane		es (F12) <b>(</b>	LRR N,				
	A 147, 148)		MLRA 136	•			3.			
-	Gleyed Matrix (S4)		Umbric Surfa	. , .	-			licators of hydrophytic vegetation and		
	Redox (S5)		Piedmont Flo	•	• •	•	•	etland hydrology must be present,		
	d Matrix (S6) Layer (if observed):		Red Parent M	iateriai (F		A 127, 147	<b>)</b> un	less disturbed or problematic.		
_										
Туре:										
Depth (in	iches):						Hydric Soil	Present? Yes <u>V</u> No		
Remarks:										

### Wetland ID W-JM23

Cowardin Code PEM Date 03/01/21



Photograph Number 633 Photograph Direction WSW

Comments:



Photograph Number ___634___ Photograph Direction West

Comments:



Photograph Number 635 Photograph Direction SW

Comments:



Photograph Number ____636 Photograph Direction North



Project/Site: Kensington	City/County: Co	olumbiana	Sampling	_{g Date:} 03/01/21
Applicant/Owner: Kensington PV I, LLC			Sampling Point: W-	
Investigator(s): JMM, KMP				-
Landform (hillslope, terrace, etc.) Floodplain	Local relief (concav		Concave	Slope (%): 0-3
Subregion (LRR or MLRA): LRRN Lat: 40.681			9223	
Soil Map Unit Name: BkD: Berks channery silt loam, 15				
Are climatic / hydrologic conditions on the site typical for this tim				
	-			
Are Vegetation, Soil, or Hydrology signif				
Are Vegetation, Soil, or Hydrology nature			ain any answers in Rem	
SUMMARY OF FINDINGS – Attach site map sho	wing sampling p	oint locations	, transects, impor	tant leatures, etc.
Hydrophytic Vegetation Present? Yes <u>V</u> No	Is the Sa	ampled Area		
Hydric Soil Present? Yes <u>V</u> No		Wetland?	Yes 🖌 No _	
Wetland Hydrology Present? Yes <u>V</u> No				
Remarks: Cowardin Code: PSS HGM:	Riverine W	/ater Type: A4	WETABUT	
HYDROLOGY				
Wetland Hydrology Indicators:		Sec	condary Indicators (mini	mum of two required)
Primary Indicators (minimum of one is required; check all that a	apply)		Surface Soil Cracks (E	
Surface Water (A1) True Aqu	uatic Plants (B14)		Sparsely Vegetated Co	
	n Sulfide Odor (C1)		Drainage Patterns (B1	
✓ Saturation (A3) ✓ Oxidized	Rhizospheres on Livin	ng Roots (C3)	Moss Trim Lines (B16)	)
	e of Reduced Iron (C4)		Dry-Season Water Tak	
	ron Reduction in Tilled	Soils (C6)	Crayfish Burrows (C8)	
	ck Surface (C7)		Saturation Visible on A	
	xplain in Remarks)	<u> </u>	Stunted or Stressed Pl Geomorphic Position (	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		<u>·</u>	Shallow Aquitard (D3)	,
Water-Stained Leaves (B9)		~	Microtopographic Relie	
Aquatic Fauna (B13)			FAC-Neutral Test (D5)	
Field Observations:			· · · · · · · · · · · · · · · · · · ·	
Surface Water Present? Yes No Depth (i	inches):			
Water Table Present? Yes <u>V</u> No Depth (i				
Saturation Present? Yes 🖌 No Depth (i	inches): 0	Wetland Hydr	ology Present? Yes	✓ No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aeria	l photos, previous insp	ections) if availabl	e.	
Remarks:				
Assuming surface water is from runoff from snow n	nelt and recent rain	n event.		

Sampling Point: W-JM24

	Absolute	- Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u> )		Species?		
1 Quercus bicolor	10	V	FACW	Number of Dominant Species
	10	<u> </u>		That Are OBL, FACW, or FAC: (A)
2. Acer rubrum	10	<u> </u>	FAC	Total Number of Dominant
3				Species Across All Strata: 6 (B)
4				
				Percent of Dominant Species
5			·	That Are OBL, FACW, or FAC: (A/B)
6				Prevalence Index worksheet:
7				
	20	= Total Cov	rer	Total % Cover of:Multiply by:
50% of total cover: <u>10</u>		total cover	-	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15' )				FACW species x 2 =
	20		FAC	
1. Carpinus aroliniana	30	~		FAC species x 3 =
2. Rosa multiflora	15	<u> </u>	FACU	FACU species x 4 =
3. Rhamnus cathartica	5		FACU	UPL species x 5 =
··				Column Totals: (A) (B)
4			·	
5			·	Prevalence Index = B/A =
6				
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8			·	✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	50	= Total Cov	rer	
50% of total cover: 25	20% of	total cover	10	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5')				data in Remarks or on a separate sheet)
1. Poa trivialis	35	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Symplocarpus foetidus	25	~	OBL	The disertence of the data as the edge of the edge of the structure of the second state of the structure of
_{3.} Persicaria sagittata	15		OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Scirpus cyperiunus	5		FACW	
5. Juncus effusus	5		FACW	Definitions of Four Vegetation Strata:
			FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
_{6.} Solidago gigantea	5		FACW	more in diameter at breast height (DBH), regardless of
7. Mimulus ringens	10		OBL	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 borbassous (non woody) planta, regardlaga
	100	= Total Cov		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50		total cover	20	
	20% 01			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	rer	Present? Yes V No
50% of total cover: 0	20% of	total cover	0	
Remarks: (Include photo numbers here or on a separate s				
Remarks. (include photo numbers here of on a separate s	neet.)			

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth	Matrix								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 5/2	90	7.5YR 5/6	10	С	M/PL	SIL		
6-20	10YR 5/1	80	7.5YR 5/6	20	С	M/PL	SICL		
						<u></u>			
			·			·			
							·		
	<u></u> -								
						·			
¹ Type: C=C	Concentration, D=Deple	etion, RM=	Reduced Matrix, MS	=Masked	I Sand Gr	ains.	² Location: PL=	Pore Lining, M=Matrix.	
	Indicators:	*						ors for Problematic Hydric Soils ³ :	
Histoso	ol (A1)		Dark Surface	(S7)			2 cr	m Muck (A10) <b>(MLRA 147)</b>	
Histic E	Epipedon (A2)		Polyvalue Bel	ow Surfa	ce (S8) <b>(I</b>	/LRA 147,	148) <u>Coa</u>	ast Prairie Redox (A16)	
Black H	Histic (A3)		Thin Dark Sur	face (S9)	(MLRA	47, 148)	(	MLRA 147, 148)	
Hydrog	jen Sulfide (A4)		Loamy Gleye	d Matrix (	F2)		Pie	dmont Floodplain Soils (F19)	
Stratifie	ed Layers (A5)		Depleted Mat	rix (F3)			(	MLRA 136, 147)	
2 cm M	luck (A10) <b>(LRR N)</b>		Redox Dark S	Surface (F	6)		Ver	y Shallow Dark Surface (TF12)	
Deplete	ed Below Dark Surface	(A11)	Depleted Darl	k Surface	(F7)		Oth	er (Explain in Remarks)	
Thick D	Dark Surface (A12)		Redox Depres	ssions (Fa	B)				
Sandy	Mucky Mineral (S1) (L	RR N,	Iron-Mangane	ese Masse	es (F12) <b>(</b>	LRR N,			
MLR	A 147, 148)		MLRA 136	,					
	Gleyed Matrix (S4)		Umbric Surfac					ators of hydrophytic vegetation and	
Sandy	Redox (S5)		Piedmont Floe	odplain S	oils (F19)	(MLRA 14	8) wetla	and hydrology must be present,	
	d Matrix (S6)		Red Parent M	laterial (F	21) <b>(MLR</b>	A 127, 147	') unles	ss disturbed or problematic.	
Restrictive	Layer (if observed):								
Type:									
Depth (ir	nches):						Hydric Soil P	resent? Yes 🖌 No	
Remarks:							•		

Wetland ID W-JM24

Cowardin Code PSS Date 03/01/21



Photograph Number 637 Photograph Direction North

Comments:



Photograph Number ___638_ Photograph Direction West

Comments:



Photograph Number 639 Photograph Direction South

Comments:



Photograph Number ____ 640 Photograph Direction West



:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington	City/County:	Columbiana	Sampling	Date: 03/01/21	
Applicant/Owner: Kensington PV I, LLC		State: OH	Sampling Point: W-J		
Investigator(s): JMM, KMP	Section, Tow	nship, Range: <u>N/A</u>			
		cave, convex, none):	Linear	Slope (%): 0-3%	6
Subregion (LRR or MLRA): LRRN Lat: 40.68132	2	Long: <u>-80.86</u>	922	Datum: NAD 83	
Soil Map Unit Name: BkB: Berks channery silt loam, 3 to 8	3 percent slop	bes	NWI classification: N/	A	
Are climatic / hydrologic conditions on the site typical for this time of	year?Yes 💆	No (If n	o, explain in Remarks.)		
Are Vegetation, Soil, or Hydrology significar	ntly disturbed?	Are "Normal Cir	cumstances" present?	Yes 🔽 No 🔄	
Are Vegetation, Soil, or Hydrology naturally	problematic?	(If needed, expla	ain any answers in Rema	arks.)	
	na compline	naint leastions	trancasta import	ant factures of	

#### SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydric Soil I	Vegetation Present? Present? drology Present?	Yes Yes Yes	No No No	✓ ✓ ✓	Is the Sampled Area within a Wetland?	Yes	No	<u> </u>
Remarks:	Cowardin Code: UP	LAND	HGM:		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)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizospheres on Living	Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in Tilled S	coils (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 <u>/</u> Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No 🖌 Depth (inches):	Wetland Hydrology Present? Yes No
Saturation Present? Yes No Concern Present? Yes Parameter No Concern Present? Depth (inches): Present PresentPresentPresent Present Present PresentPresent Pre	
Saturation Present? Yes No Vo Depth (inches):	
Saturation Present? Yes No Concern Present? Yes Parameter No Concern Present? Depth (inches): Present PresentPresentPresent Present Present PresentPresent Pre	
Saturation Present? Yes No Concern Depth (inches): Concern Con	
Saturation Present? Yes No Concern Depth (inches): Concern Con	
Saturation Present? Yes No Concern Depth (inches): Concern Con	
Saturation Present? Yes No Concern Depth (inches): Concern Con	
Saturation Present? Yes No Concern Depth (inches): Concern Con	
Saturation Present? Yes No Concern Present? Yes Parameter No Concern Present? Depth (inches): Present PresentPresentPresent Present Present PresentPresent Pre	
Saturation Present? Yes No Concern Present? Yes Parameter No Concern Present? Depth (inches): Present PresentPresentPresent Present Present PresentPresent Pre	

Sampling Point: W-JM24-UPL

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u> )		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				
				Total Number of Dominant
3				B Species Across All Strata: (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0% (A/B
6				Describer of the description of the set
7				Prevalence Index worksheet:
	0	= Total Co	ver	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				(D)
5				Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				
8				1 - Rapid Test for Hydrophytic Vegetation
9.				2 - Dominance Test is >50%
· ··	0	= Total Co		3 - Prevalence Index is ≤3.0 ¹
50% of total cover:0		total cover	•	4 - Morphological Adaptations ¹ (Provide supportin
<b>C1</b>	20% 0	total cover		data in Remarks or on a separate sheet)
	45	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Phleum pratense	-			-   · · · · · · · · · · · · · · · ·
2. Dactylis glomerata	30	<ul> <li>✓</li> </ul>	FACU	¹ Indiactors of hydric coil and watland hydrology must
3. Achillea millefolium	10		FACU	<ul> <li>¹Indicators of hydric soil and wetland hydrology must</li> <li>be present, unless disturbed or problematic.</li> </ul>
_{4.} Plantago major	5		FACU	Definitions of Four Vegetation Strata:
5. Taraxacum officinale	5		FACU	Deminions of Four vegetation Strata.
6. Daucus carota	5		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
				more in diameter at breast height (DBH), regardless o
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 Co	ver	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		· . <u> </u>		
4				Hydrophytic
5				Vegetation
	0	= Total Co	ver	Present? Yes No V
50% of total cover: 0	20% of	total cover	: <u>0</u>	
Remarks: (Include photo numbers here or on a separate s				

Depth         Matrix         Redox Features           (inches)         Color (moist)         %         Type'         Loc'         Remarks           0-10         10YR 4/4         100         SIC         SIC	Profile Desc	cription: (Describe	to the dept	h needed to docur	nent the ir	ndicator	or confirm	the absenc	e of indicators	s.)	
0-10       10YR 4/4       100       SICL         10-15       10YR 5/4       100       SIC			0/					Toyturo		Pomorko	
10-15       10YR 5/4       100       SIC						туре	LUC			Remarks	
Image:											
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :	10-15	10YR 5/4	100					SIC			
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :			·								
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :			·								
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :											
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :											
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :			·								
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :	·		·						<u> </u>		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :			·						<u> </u>		
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :											
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :											
Hydric Soil Indicators:       Indicators for Problematic Hydric Soils ³ :	¹ Type: C=Ce	oncentration. D=Dep	letion. RM=	Reduced Matrix. MS	S=Masked	Sand Gra	ains.	² Location:	PL=Pore Lining	a. M=Matrix.	
			,								<b>s</b> ³:
	<u> </u>	(A1)		Dark Surface	(S7)				2 cm Muck (A1	0) (MLRA 147)	
								148)	Coast Prairie R	Redox (A16)	
Stratified Layers (A5)       Depleted Matrix (F3)       (MLRA 136, 147)         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)       Other (Explain in Remarks)         Sandy Mucky Mineral (S1) (LRR N,       Iron-Manganese Masses (F12) (LRR N,       Other (Explain in Remarks)         Sandy Gleyed Matrix (S4)       Umbric Surface (F13) (MLRA 136, 122) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Restrictive Layer (if observed):       Type:       Type:       Hydric Soil Present? Yes       No							47, 148)				
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)       Other (Explain in Remarks)         Sandy Mucky Mineral (S1) (LRR N,       Iron-Manganese Masses (F12) (LRR N,       MLRA 147, 148)         MLRA 147, 148)       MLRA 136)       Iron-Manganese Masses (F12) (MLRA 136, 122)       3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.         Sandy Redox (S5)       Piedmont Floodplain Soils (F19) (MLRA 127, 147)       unless disturbed or problematic.         Restrictive Layer (if observed):       Type:		. ,			•	-2)					
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) MLRA 136) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) MLRA 127, 147) Unbric Surface (F12) (MLRA 127, 147) Hydric Soil Present? Yes No						2)					
Thick Dark Surface (A12)   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 Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148)   Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147)   Restrictive Layer (if observed): Type:   Type:   Depth (inches): Hydric Soil Present? Yes			≏ (A11)			,					
Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 136, 122) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Yes No Yes No										in Remarks)	
MLRA 147, 148)       MLRA 136)			.RR N,				LRR N,				
				-		. , .					
Stripped Matrix (S6)Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic.          Restrictive Layer (if observed):											nd
Restrictive Layer (if observed):	-								-		
Type:				Red Parent N	Aaterial (F2	21) <b>(MLR</b>	A 127, 147	<b>7)</b> u	nless disturbed	d or problematic.	
Depth (inches):											
	· · ·										
Remarks:	Depth (in	ches):						Hydric So	il Present?	Yes <u>No</u>	
	Remarks:										

Project/Site: Kensington	City/Cou	_{unty:} Columbiana	Sampling Date: 03/01/21	1
Applicant/Owner: Kensington PV I, LLC			Sampling Point: W-JM25-PEM	
	Section	, Township, Range: N/A		
Landform (hillslope, terrace, etc.): Floodplain				·3
Subregion (LRR or MLRA): LRRN Lat: 4			67584 Datum: NAD 8	
Soil Map Unit Name: BkD: Berks channery silt load				
Are climatic / hydrologic conditions on the site typical for the	-			
Are Vegetation, Soil, or Hydrology	significantly disturbe	ed? Are "Normal C	ircumstances" present? Yes Vo	
Are Vegetation, Soil, or Hydrology	_naturally problemation	c? (If needed, ex	plain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map	o showing samp	ling point location	s, transects, important features,	etc.
Hydric Soil Present? Yes 🗸	No	s the Sampled Area vithin a Wetland?	Yes 🖌 No	
Remarks: Cowardin Code: PEM H	GM: Riverine	Water Type: A	4WETABUT	
HYDROLOGY				
Wetland Hydrology Indicators:			econdary Indicators (minimum of two require	red)
Primary Indicators (minimum of one is required; check a	II that apply)		Surface Soil Cracks (B6)	
	ue Aquatic Plants (B1		Sparsely Vegetated Concave Surface (E	38)
	vdrogen Sulfide Odor		Drainage Patterns (B10)	
		on Living Roots (C3)	Moss Trim Lines (B16)	
	esence of Reduced Ir ecent Iron Reduction i		Dry-Season Water Table (C2) Crayfish Burrows (C8)	
	nin Muck Surface (C7)		_ Clayish Burlows (Co) _ Saturation Visible on Aerial Imagery (C9)	
	ther (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)		<u>-</u>	FAC-Neutral Test (D5)	
Field Observations:				
Surface Water Present? Yes No D				
Water Table Present? Yes <u>Ves</u> No D				
Saturation Present? Yes <u>Ves</u> No <u>D</u> (includes capillary fringe)	Depth (inches): 0	Wetland Hy	drology Present? Yes 🖌 No	
Describe Recorded Data (stream gauge, monitoring well	I, aerial photos, previo	ous inspections), if availa	ble:	
Remarks:				
Remarks.				

Sampling Point: W-JM25-PEM

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: <u>30'</u> )		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC:4 (A)
2				
				Total Number of Dominant
3				Species Across All Strata: (B)
4		·		Percent of Dominant Species
5	·	·		That Are OBL, FACW, or FAC: <u>80</u> (A/B)
6		<u></u>	. <u> </u>	Drevelence Index werkeheet:
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 Rosa multiflora	10	~	FACU	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	·			
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
9	10			3 - Prevalence Index is ≤3.0 ¹
500 ( ) ) 5		= Total Cov	~	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>5</u>	20% 01	total cover	:2	data in Remarks or on a separate sheet)
	00	,		Problematic Hydrophytic Vegetation ¹ (Explain)
1. Agrimonia parviflora	20	<u> </u>	FACW	
2. Symplocarpus foetidus	5		OBL	
_{3.} Persicaria sagittata	15	~	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4 Scirpus atrovirens	10		OBL	
5. Microstegium vimineum	15	~	FAC	Definitions of Four Vegetation Strata:
6. Solidago altissima	10		FACU	<b>Tree</b> – Woody plants, excluding vines, 3 in. (7.6 cm) or
		~	FACW	more in diameter at breast height (DBH), regardless of
7. Epilobium coloratum	15	V		height.
8. Carex frankii	5		OBL	Sapling/Shrub – Woody plants, excluding vines, less
_{9.} Euthamia graminifolia	10		FAC	than 3 in. DBH and greater than or equal to 3.28 ft (1
_{10.} Juncus effusus	10		FAC	m) tall.
11.				
	115	= Total Cov	/or	<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 57.				
Woody Vine Stratum (Plot size: 15' )	<u> </u>			Woody vine – All woody vines greater than 3.28 ft in
				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			<u> </u>	
Remarks. (include proto numbers here of on a separate s	sileet.)			

Profile Desc	cription: (Describe t	o the depti	n needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Features	S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 5/2	95	7.5YR 5/6	5	С	M/PL	SIL	
4-20	10YR 5/1	90	7.5YR 5/6	10	С	M/PL	SICL	
				·				
¹ Type: C=C	oncentration, D=Depl	etion, RM=I	Reduced Matrix, MS	S=Masked	I Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	· · ·				cm Muck (A10) <b>(MLRA 147)</b>
	pipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)
Black Hi	istic (A3)		Thin Dark Su			47, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		F2)		P	iedmont Floodplain Soils (F19)
Stratifie	d Layers (A5)		Depleted Mat	trix (F3)				(MLRA 136, 147)
2 cm Mu	uck (A10) <b>(LRR N)</b>		Redox Dark	Surface (F	6)		V	ery Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	e (A11)	Depleted Dar	k Surface	(F7)		C	other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre	ssions (F	8)			
Sandy N	/lucky Mineral (S1) <b>(L</b>	RR N,	Iron-Mangan	ese Masse	es (F12) <b>(</b>	LRR N,		
MLR	A 147, 148)		MLRA 13	6)				
Sandy G	Gleyed Matrix (S4)		Umbric Surfa	ce (F13) <b>(</b>	MLRA 13	6, 122)	³ Ind	icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo	•	· ,	•	•	tland hydrology must be present,
	l Matrix (S6)		Red Parent N	Aaterial (F	21) <b>(MLR</b>	A 127, 147	' <b>)</b> un	less disturbed or problematic.
	Layer (if observed):							
Туре:								
	ches):						Hydric Soil	Present? Yes <u>V</u> No
Remarks:								

Wetland ID W-JM25-PEM

Cowardin Code PEM Date 03/01/21



Photograph Number 641 Photograph Direction West

Comments:



Photograph Number 642 Photograph Direction North

Comments:

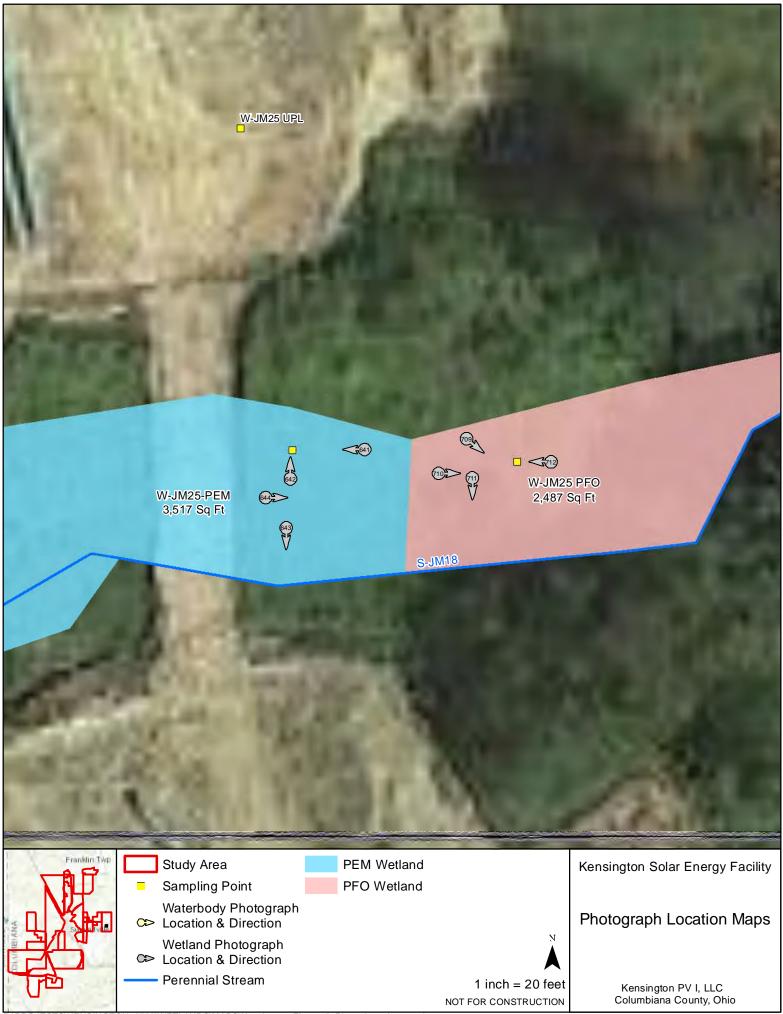


Photograph Number 643 Photograph Direction South

Comments:



Photograph Number ____644 Photograph Direction East



R:\PROJECTS\KENSINGTON_6789\WETLANDS\MAPS\Kensington_Figure_5_Photo_Locations.mxd

Project/Site: Kensington	City/County:	Columbiana	Samplin	_{g Date:} 03/01/21
Applicant/Owner: Kensington PV I, LLC	0.0,000.00		Sampling Point: W-	
	Section, Tow		<u></u>	
Landform (hillslope, terrace, etc.): Floodplain Subregion (LRR or MLRA): LRRN Lat: 40.6	Local relief (con	cave, convex, none):	Concave 7415	
Soil Map Unit Name: BkD: Berks channery silt loam,				
Are climatic / hydrologic conditions on the site typical for this t				
	-			
Are Vegetation, Soil, or Hydrologysig				
Are Vegetation, Soil, or Hydrology nat SUMMARY OF FINDINGS – Attach site map sl			ain any answers in Rem	
		, point locations	, nanocoto, impor	
	withi	e Sampled Area n a Wetland?	Yes 🖌 No _	
Remarks: Cowardin Code: PFO HGM	1: Riverine	Water Type: A4	WETABUT	
HYDROLOGY				
Wetland Hydrology Indicators:		Se	condary Indicators (min	imum of two required)
Primary Indicators (minimum of one is required; check all the	at apply)		_ Surface Soil Cracks (E	36)
	Aquatic Plants (B14)		_ Sparsely Vegetated C	
	gen Sulfide Odor (C1)		Drainage Patterns (B1	
	ed Rhizospheres on L		Moss Trim Lines (B16	
	nce of Reduced Iron (		Dry-Season Water Ta	
	t Iron Reduction in Til	led Soils (C6)	Crayfish Burrows (C8)	
	Auck Surface (C7)	—	Saturation Visible on A	
	(Explain in Remarks)	<u> </u>	Stunted or Stressed P Geomorphic Position	· · ·
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		<u>·</u>	Shallow Aquitard (D3)	
Water-Stained Leaves (B9)			_ Microtopographic Reli	
Aquatic Fauna (B13)		~	FAC-Neutral Test (D5	
Field Observations:				/
Surface Water Present? Yes No Depti	h (inches):			
Water Table Present? Yes <u>Ves</u> No <u>Depti</u>				
Saturation Present? Yes <u>Ves</u> No <u>Depti</u>		Wetland Hyd	rology Present? Yes	No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, ae	rial photos, previous i	espections) if availab		
Describe Recorded Data (stream gauge, monitoring weil, ae	inal priotos, previous li	ispections), il availat	iie.	
Remarks:				

Sampling Point: W-JM25-PFO

	Abaaluta	Dominant	Indiantar	Deminence Test werkehest
Tree Stratum (Plot size: <u>30'</u> )	Absolute	Dominant Species?		Dominance Test worksheet:
1 Quercus bicolor				Number of Dominant Species
	55	<u> </u>	FACW	That Are OBL, FACW, or FAC:8 (A)
2				
				Total Number of Dominant Species Across All Strata: 9 (B)
3		·	·	Species Across All Strata:9 (B)
4				
				Percent of Dominant Species
5		·	·	That Are OBL, FACW, or FAC:OO 70 (A/B)
6				
7				Prevalence Index worksheet:
··	55			Total % Cover of: Multiply by:
07.0		= Total Cov		
50% of total cover: 27.5	20% of	total cover	11	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: 15')				FACW species x 2 =
	30	<b>v</b>	FACU	FAC species x 3 =
1. Rosa multiflora	- 30	<u> </u>	FACO	
2				FACU species x 4 =
				UPL species x 5 =
3			·	
4				Column Totals: (A) (B)
5			·	Prevalence Index = B/A =
6				Hydrophytic Vegetation Indicators:
7				
			· <u> </u>	1 - Rapid Test for Hydrophytic Vegetation
8		·		✓ 2 - Dominance Test is >50%
9.				
	30	= Total Cov		3 - Prevalence Index is ≤3.0 ¹
45			-	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>15</u>	20% of	total cover	6	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5' )				
1. Poa trivialis	30	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
		·		
2. Symplocarpus foetidus	10	<u> </u>	OBL	
3. Persicaria sagittata	20	~	OBL	¹ Indicators of hydric soil and wetland hydrology must
			·	be present, unless disturbed or problematic.
4. Scirpus atrovirens	10	<u> </u>	OBL	Definitions of Four Vegetation Strata:
5. Microstegium vimineum	10	~	FAC	J J
6. Solidago rugosa	10	~	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
		·		more in diameter at breast height (DBH), regardless of
7. Epilobium coloratum	10	~	FACW	height.
8				
8			· <u> </u>	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	rer	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50		total cover		
4 El			·	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 15 )				height.
1				
2		·	·	
3		·	. <u> </u>	
4				
				Hydrophytic
5				Vegetation
	0	= Total Cov	rer	Present? Yes V No
50% of total cover:0		total cover		
Remarks: (Include photo numbers here or on a separate s	heet.)			

	Matrix		Redo	k Features				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-4	10YR 5/2	95	7.5YR 5/6	5	С	M/PL	SIL	
4-20	10YR 5/1	90	7.5YR 5/6	10	С	M/PL	SICL	
						·		
						·		
Type: C=C	oncentration, D=Deple	etion, RM=	Reduced Matrix, MS	S=Masked	Sand Gr	ains.	² Location: PL=	Pore Lining, M=Matrix.
lydric Soil	Indicators:						Indicato	ors for Problematic Hydric Soils ³
Histosol	(A1)		Dark Surface	(S7)			2 cr	n Muck (A10) <b>(MLRA 147)</b>
Histic E	oipedon (A2)		Polyvalue Be	low Surfac	ce (S8) <b>(N</b>	/ILRA 147,	148) <u>Coa</u>	ast Prairie Redox (A16)
Black H	stic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	147, 148)	(1	MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye	d Matrix (	F2)		Piec	dmont Floodplain Soils (F19)
Stratifie	d Layers (A5)		Depleted Mat	rix (F3)			(1	MLRA 136, 147)
2 cm Mu	uck (A10) (LRR N)		Redox Dark S	Surface (F	6)		Ver	y Shallow Dark Surface (TF12)
Deplete	d Below Dark Surface	(A11)	Depleted Dar	k Surface	(F7)		Oth	er (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre	ssions (F8	B)			
	/ Iucky Mineral (S1) <b>(L</b>	RR N.	Iron-Mangan	•		LRR N.		
	A 147, 148)		MLRA 13		· / ·			
	Gleyed Matrix (S4)		Umbric Surfa	•	MLRA 13	86, 122)	³ Indica	ators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo			•		and hydrology must be present,
	Matrix (S6)		Red Parent M	•	. ,	•	•	ss disturbed or problematic.
Restrictive	Layer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil P	resent? Yes 🔽 No

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10/19/2021 12:56:36 PM

in

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

Summary: Application Application Exhibit P (Wetlands Report, Appx. C-6) electronically filed by Mr. Michael J. Settineri on behalf of Kensington PV 1, LLC