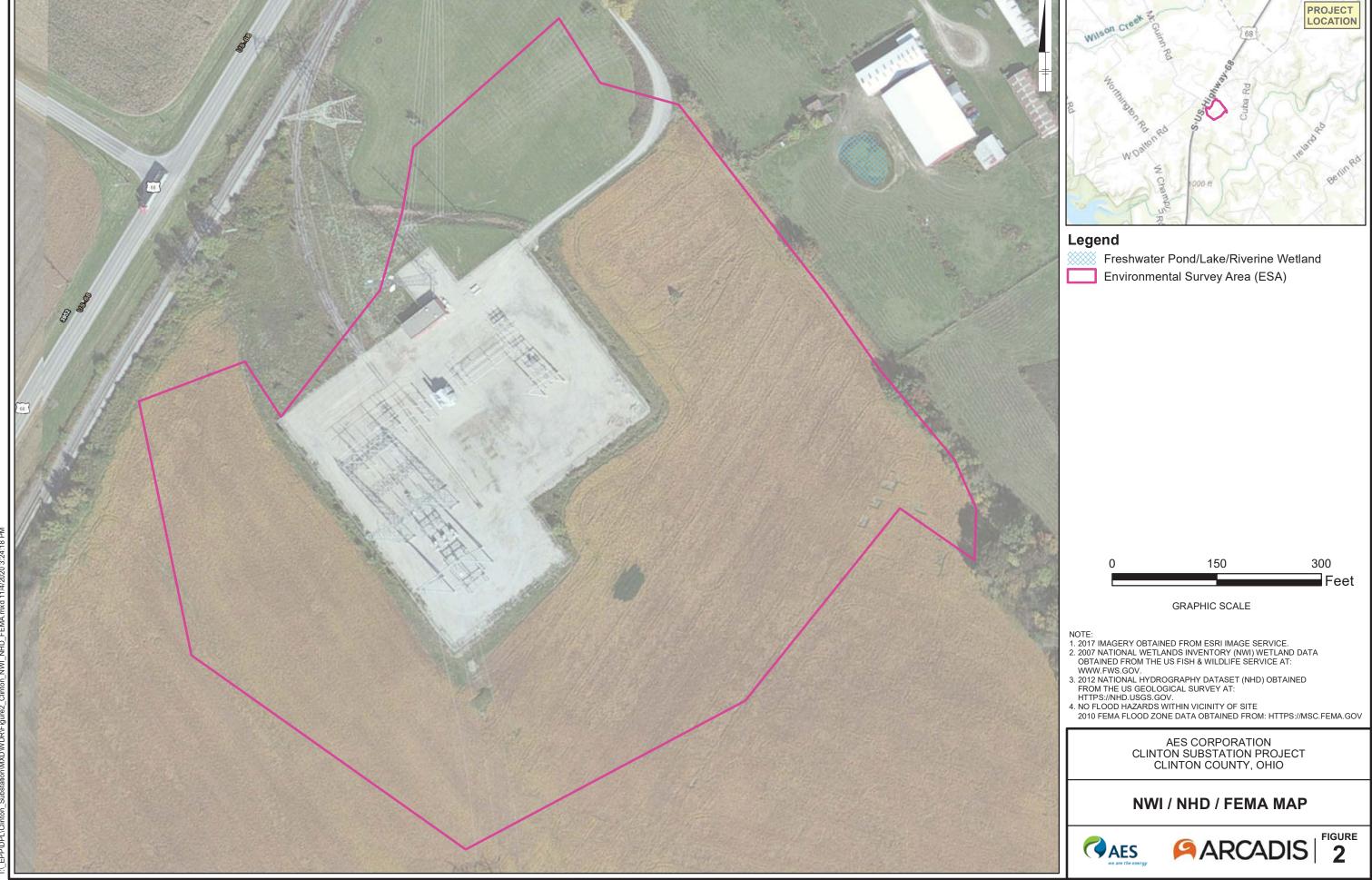
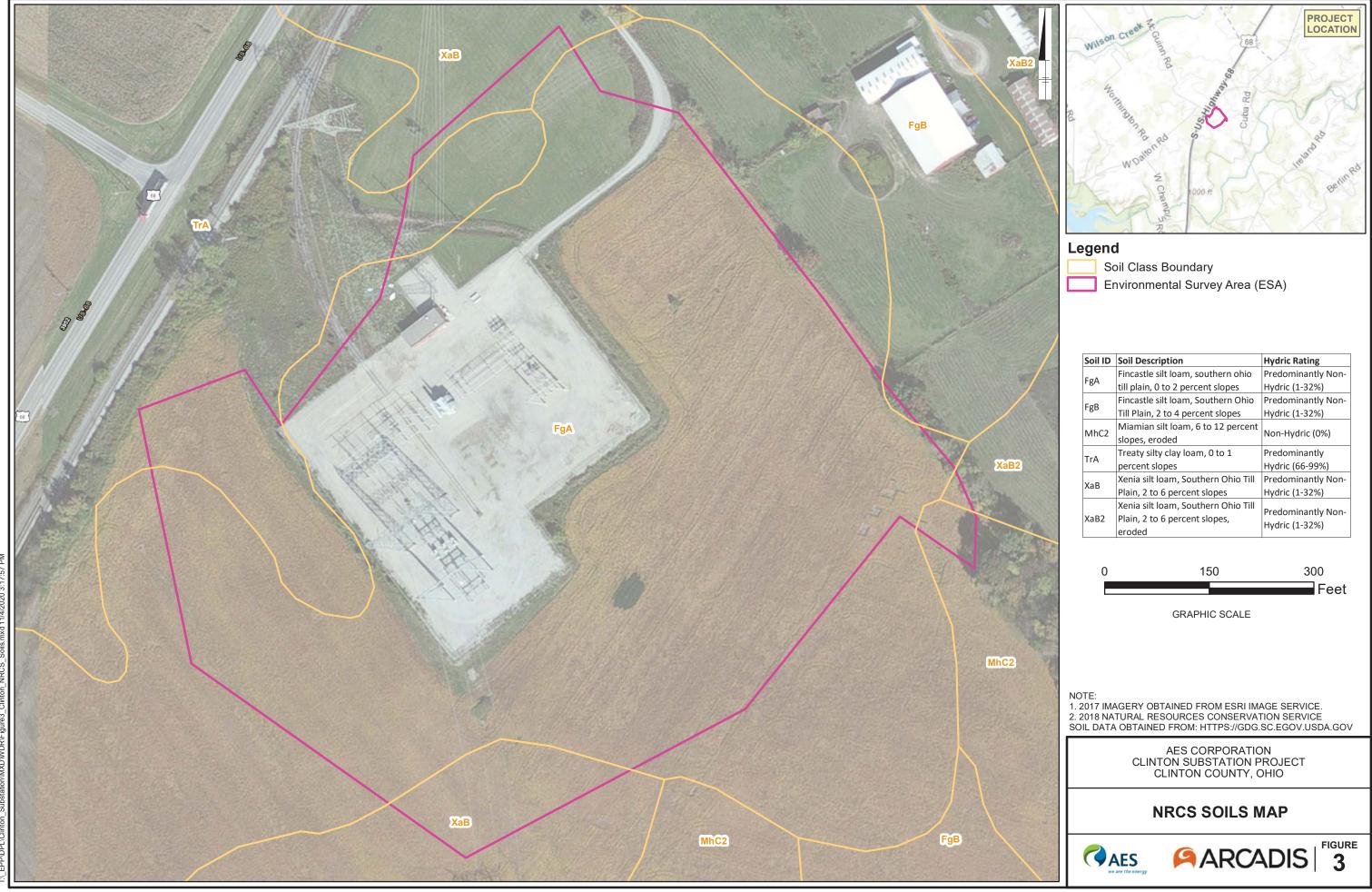


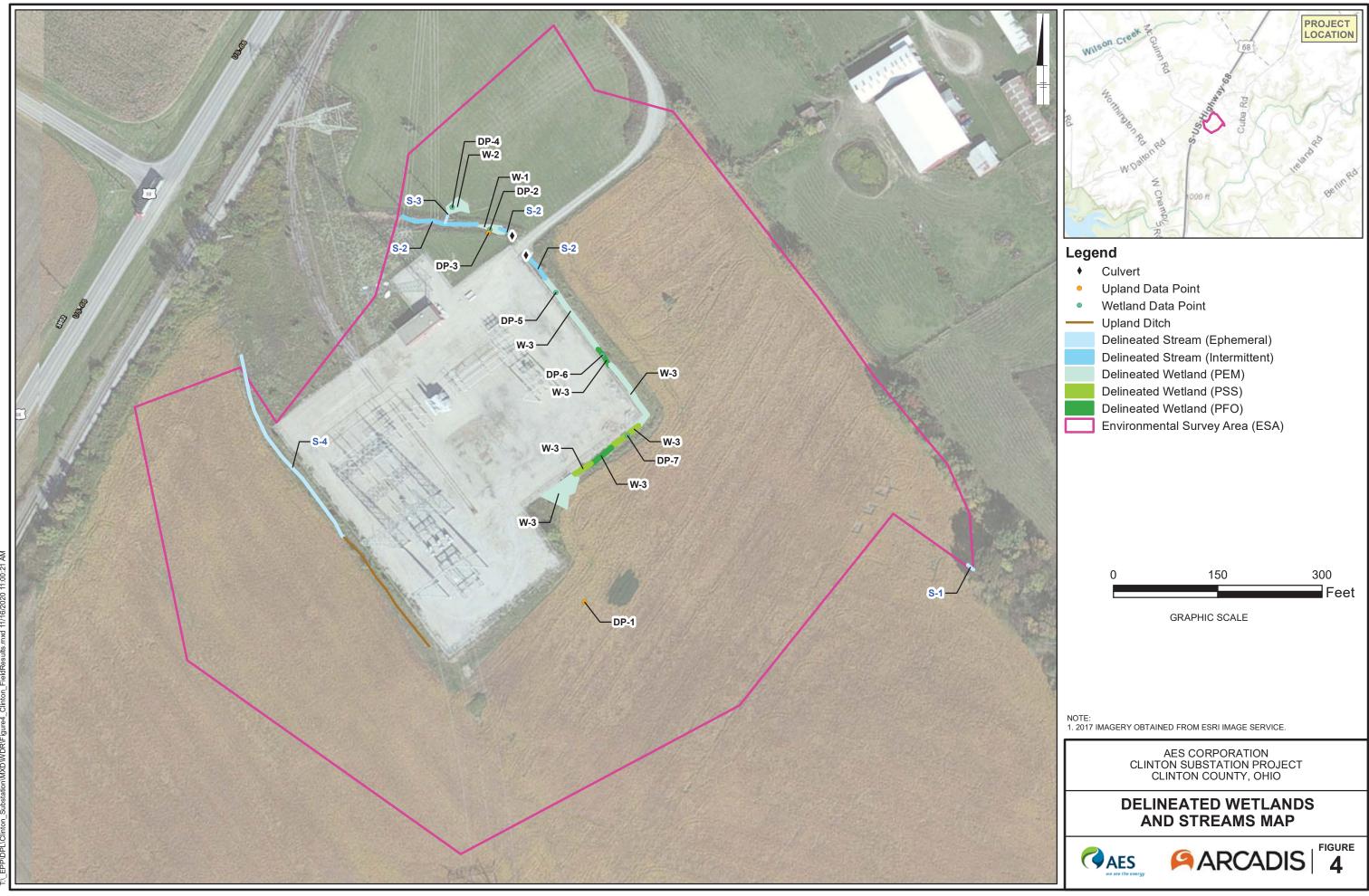
Broup: EPP Created By: MVazquez Last Saved By: MVazquez Hinton Substation/MXD/WDR/Figure1 Clinton Topo.mxd 11/4/2020 3:30



iv/Group: EPP Created By: MVazquez_Last Saved By: MVazquez_ \Clinton_Substation\MXD\MXDB\Eightles Clinton_N\M_NHD_EEMA_mvd 41/4/2020 3:24:48



IN Div/Group: EPP Created By: MVazquez Last Saved By: MVazquez



City: CIN Div/Group: EPP Created By: MVazquez 1

APPENDIX A

Photographic Log



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 1

Date:

October 13, 2020

Description:

View of access road to Clinton Substation

Direction:

Northeast



Photo: 2

Date:

October 13, 2020

Description:

View of Clinton Substation

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 3

Date:

October 13, 2020

Description:

View of Clinton Substation

ESA

Direction:

South



Photo: 4

Date:

October 13, 2020

Description:

View of Clinton Substation

Direction:

South



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 5

Date:

October 13, 2020

Description:

View of Clinton Substation

Direction:

Southwest



Photo: 6

Date:

October 13, 2020

Description:

View of Clinton Substation

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 7

Date:

October 14, 2020

Description:

View of Clinton Substation ESA

Direction:

Southwest



Photo: 8

Date:

October 13, 2020

Description:

View of stream S-1; facing upstream

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 9

Date:

October 13, 2020

Description:

View of stream S-1; facing downstream

Direction:

East



Photo: 10

Date:

October 13, 2020

Description:

View of stream S-1; substrate

Direction:

N/A



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 11

Date:

October 13, 2020

Description:

View of stream S-2; facing upstream

Direction:

Northeast



Photo: 12

Date:

October 13, 2020

Description:

View of stream S-2; facing

downstream

Direction:

Southwest



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 13

Date:

October 13, 2020

Description:

View of stream S-2; substrate

Direction:

N/A



Photo: 14

Date:

October 14, 2020

Description:

View of stream S-2; facing downstream at culvert inflow, outside ESA

Direction:

Northwest



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 15

Date:

October 14, 2020

Description:

View of stream S-3; facing upstream

Direction:

North



Photo: 16

Date:

October 14, 2020

Description:

View of stream S-3; facing downstream

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 17

Date:

October 14, 2020

Description:

View of stream S-3; substrate

Direction:

N/A



Photo: 18

Date:

October 14, 2020

Description:

View of stream S-4 culvert outflow into stream S-2

Direction:

South



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 19

Date:

October 14, 2020

Description:

View of stream S-4; facing upstream

Direction:

Southeast



Photo: 20

Date:

October 14, 2020

Description:

View of stream S-4; facing

downstream

Direction:

Northwest



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 21

Date:

October 14, 2020

Description:

View of stream S-4; substrate

Direction:

N/A



Photo: 22

Date:

October 14, 2020

Description:

View of upland ditch near substation

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 23

Date:

October 14, 2020

Description:

View of Clinton Substation

Direction:

Northwest



Photo: 24

Date:

October 14, 2020

Description:

View of Clinton Substation

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 25

Date:

October 14, 2020

Description:

View of upland ditch

Direction:

Northwest



Photo: 26

Date:

October 14, 2020

Description:

View of upland ditch

Direction:

Northwest



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 27

Date:

October 13, 2020

Description:

View of DP-1 location

Direction:

East



Photo: 28

Date:

October 14, 2020

Description:

View of wetland W-1

Direction:

North



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 29

Date:

October 14, 2020

Description:

View of wetland W-1

Direction:

East



Photo: 30

Date:

October 14, 2020

Description:

View of wetland W-1

Direction:

South



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 31

Date:

October 14, 2020

Description:

View of wetland W-1

Direction:

West



Photo: 32

Date:

October 14, 2020

Description:

View of wetland W-2

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 33

Date:

October 14, 2020

Description:

View of wetland W-2

Direction:

North



Photo: 34

Date:

October 14, 2020

Description:

View of wetland W-2

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 35

Date:

October 14, 2020

Description:

View of wetland W-2

Direction:

South



Photo: 36

Date:

October 14, 2020

Description:

View of wetland W-3

Direction:

Northwest



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 37

Date:

October 14, 2020

Description:

View of wetland W-3; PEM portion

Direction:

North



Photo: 38

Date:

October 14, 2020

Description:

View of wetland W-3; PEM

portion

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 39

Date:

October 14, 2020

Description:

View of wetland W-3; PEM portion

Direction:

South



Photo: 40

Date:

October 14, 2020

Description:

View of wetland W-3; PEM

portion

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 41

Date:

October 14, 2020

Description:

View of wetland W-3; PSS portion

Direction:

North



Photo: 42

Date:

October 14, 2020

Description:

View of wetland W-3; PSS

portion

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 43

Date:

October 14, 2020

Description:

View of wetland W-3; PSS portion

Direction:

South



Photo: 44

Date:

October 14, 2020

Description:

View of wetland W-3; PSS

portion

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 45

Date:

October 14, 2020

Description:

View of wetland W-3; PFO portion

Direction:

North



Photo: 46

Date:

October 14, 2020

Description:

View of wetland W-3; PFO

portion

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 47

Date:

October 14, 2020

Description:

View of wetland W-3; PFO portion

Direction:

South



Photo: 48

Date:

October 14, 2020

Description:

View of wetland W-3; PFO

portion

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 49

Date:

October 14, 2020

Description:

View of wetland W-3

Direction:

North



Photo: 50

Date:

October 14, 2020

Description:

View of wetland W-3

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 51

Date:

October 14, 2020

Description:

View of wetland W-3

Direction:

South



Photo: 52

Date:

October 14, 2020

Description:

View of wetland W-3

Direction:



Dayton Power and Light Company, AES Corporation Clinton Substation Expansion Project Clinton County, Ohio



Photo: 53

Date:

October 14, 2020

Description:

View of wetland W-3

Direction:

APPENDIX B

ORAM Data Form

Site: W	/-1, W-2,	W-3 Clinton Substation Expansion Rater(s): S.MIIOSKI	Date: 10/13/2020
1	1	Metric 1. Wetland Area (size).	
max 6 pts.	subtotal	Select one size class and assign score. >50 acres (>20.2ha) (6 pts) 25 to <50 acres (10.1 to <20.2ha) (5 pts) 10 to <25 acres (4 to <10.1ha) (4 pts) 3 to <10 acres (1.2 to <4ha) (3 pts) 0.3 to <3 acres (0.12 to <1.2ha) (2pts) ✓ 0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt) <0.1 acres (0.04ha) (0 pts)	
2	3	Metric 2. Upland buffers and surrounding land use.	
max 14 pts.	subtotal	2a. Calculate average buffer width. Select only one and assign score. Do not double check. WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7) MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4) NARROW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1) VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0) 2b. Intensity of surrounding land use. Select one or double check and average. VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7) LOW. Old field (>10 years), shrubland, young second growth forest. (5) MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new falle HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)	
13	16	Metric 3. Hydrology.	
max 30 pts.	subtotal	3a. Sources of Water. Score all that apply. High pH groundwater (5) Other groundwater (3) Precipitation (1) Seasonal/Intermittent surface water (3) Perennial surface water (lake or stream) (5) 3c. Maximum water depth. Select only one and assign score. >0.7 (27.6in) (3) ✓ Nation (15.7 to 27.6in) (2) 3b. Connectivity. Score all 100 year floodpla 100 year floodpl	nin (1) lake and other human use (1) pland (e.g. forest), complex (1) r upland corridor (1) uration. Score one or dbl check ently inundated/saturated (4) ted/saturated (3)
П	20	None or none apparent (12) Recovered (7) Recovering (3) Recent or no recovery (1) Check all disturbances observed identify ditch ditch dike road bed/RR trace dredging stormwater input Check all disturbances observed identify ditch dike road bed/RR trace dredging other	´
max 20 pts.	subtotal	Metric 4. Habitat Alteration and Development. 4a. Substrate disturbance. Score one or double check and average.	
max zu pis.	Subtotal	None or none apparent (4) Recovered (3) Recovering (2) Recent or no recovery (1) 4b. Habitat development. Select only one and assign score. Excellent (7) Very good (6) Good (5) Moderately good (4) Fair (3) Poor to fair (2) Poor (1) 4c. Habitat alteration. Score one or double check and average.	
si	20	None or none apparent (9) Recovered (6) Recovering (3) Recent or no recovery (1) Check all disturbances observed w mowing grazing clearcutting selective cutting woody debris removal toxic pollutants Check all disturbances observed where the provided in the provided i	atic bed removal

Site: W-1, W-2, W-3 Clinton Substation Expansion Rater(s): S.Miloski Date: 10/13/2020 0 Metric 5. Special Wetlands. Check all that apply and score as indicated. max 10 pts. Bog (10) Fen (10) Old growth forest (10) Mature forested wetland (5) Lake Erie coastal/tributary wetland-unrestricted hydrology (10) Lake Erie coastal/tributary wetland-restricted hydrology (5) Lake Plain Sand Prairies (Oak Openings) (10) Relict Wet Prairies (10) Known occurrence state/federal threatened or endangered species (10) Significant migratory songbird/water fowl habitat or usage (10) Category 1 Wetland. See Question 1 Qualitative Rating (-10) Metric 6. Plant communities, interspersion, microtopography. 6a. Wetland Vegetation Communities. **Vegetation Community Cover Scale** max 20 pts subtotal Absent or comprises < 0.1ha (0.2471 acres) contiguous area Score all present using 0 to 3 scale. 0 Aquatic bed Present and either comprises small part of wetland's Emergent vegetation and is of moderate quality, or comprises a Shrub significant part but is of low quality 2 Forest Present and either comprises significant part of wetland's Mudflats vegetation and is of moderate quality or comprises a small Open water part and is of high quality Other 3 Present and comprises significant part, or more, of wetland's 6b. horizontal (plan view) Interspersion. vegetation and is of high quality Select only one. High (5) Narrative Description of Vegetation Quality Moderately high(4) Low spp diversity and/or predominance of nonnative or Moderate (3) disturbance tolerant native species Moderately low (2) mod Native spp are dominant component of the vegetation, Low (1) although nonnative and/or disturbance tolerant native spp None (0) can also be present, and species diversity moderate to moderately high, but generally w/o presence of rare 6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add threatened or endangered spp or deduct points for coverage A predominance of native species, with nonnative spp high Extensive >75% cover (-5) and/or disturbance tolerant native spp absent or virtually Moderate 25-75% cover (-3) absent, and high spp diversity and often, but not always, Sparse 5-25% cover (-1) the presence of rare, threatened, or endangered spp Nearly absent <5% cover (0) Absent (1) **Mudflat and Open Water Class Quality** 6d. Microtopography. 0 Absent < 0.1ha (0.247 acres) Score all present using 0 to 3 scale. Low 0.1 to <1ha (0.247 to 2.47 acres) 2 Vegetated hummucks/tussucks Moderate 1 to <4ha (2.47 to 9.88 acres) Coarse woody debris >15cm (6in) High 4ha (9.88 acres) or more Standing dead >25cm (10in) dbh Amphibian breeding pools Microtopography Cover Scale Absent Present very small amounts or if more common of marginal quality 2 Present in moderate amounts, but not of highest quality or in small amounts of highest quality 3 Present in moderate or greater amounts and of highest quality **GRAND TOTAL (max 100 pts)**

APPENDIX C

USACE Data Forms

Site: Clinton	Substation Expansion Project		City/County:	Wilmington/Uni	on	Sampling Date:	10/13/2020
Applicant/Owner:	Dayton Power and Light				State: OH	Sampling Point:	DP-1
Investigator(s):	SM			Section, Townsh	ip, Range: No PLSS		
Landform: (hillslope	, terrace, etc.): depression		Loca	al relief (concave	, convex, none): Concav	e	
Slope (%): 0		Lat. 39.39	970621	Long	83.85412268	Datum:	NAD 83
Soil Map Unit Name	Fincastle silt loam, southern o	hio till plain, 0 t	o 2 percent slopes		•	assification: N/A	
· ·	gic conditions on the site typical for	•			XNo	(If no, explain in the	ne Remarks)
l			Hydrology N				
			Hydrology N				
Are Normal Circums SUMMARY OF	•	X	No	(If needed, exp	olain any answers in Rem	narks)	
	Hydrophytic Vegetation Present?	Yes	NoX	ls the	e Sampled Area within a	a Wetland?	
	Hydric Soil Present?	Yes	NoX	Yes	NoX	_	
	Wetland Hydrology Present?	Yes X	No	_ If	yes, optional Weland Sit	te ID:	
Remarks: suspect	area in field						
VEGETATION						Sampling Point:	DP-1
- 0	Di i i an	Absolute	Dominant	Indicator			
Tree Stratum	Plot size: r=30'	% Cover	Species	Status	Dominance Test Work		
1 2.					Number of dominant of OBL, FACW,	•	1 (A)
3.			_	-	Total number of don	ninant species	(A)
4.					across all s	,	2 (B)
 5.				-	Percent of dominant	species that are	(
50% = 0.0%	6 20% = 0.0%	0	Total Cover		OBL, FACW,	or FAC:	50% (A/B)
Shrub Stratum_	Plot size: r=15'						
1					Prevalence Index Wor	ksheet	
2		-	_	<u>.</u> -	Total % cover of:		
3			_	-	† ' '	0 x 1	0
4					1 '	50 x 2	100
5.			- 		┪ '	0 x 3	0
50% = 0.0%		0	_Total Cover		''	0 x 4	0
Herb Stratum 1. Glycine	Plot size: r=5'	50	Υ	UPL	'	50 x 5 _.	250 (B)
	ım hyemale	50		FACW	1	00 (A) Prevalence Index:	350 (B) 3.5 (B/A)
3.	um nyemale			TACW	-	revalence index.	3.5 (B/A)
4.					Hydrophytic Vegetation	on Indicators:	
5.				-	7	st for Hydrophytic V	egetation
6.					2 - Dominano	e Test is >50%	
7.					3 - Prevalenc	e Index is <3.0*	
8.					4 - Morpholog	gical Adaptations* (Provide supporting
9.					data in remar	ks or on a separate	e sheet)
10.					5 - Problemat	tic Hydrophytic Vec	getation*
50% = 50.09	% 20% = 20.0%	100	_Total Cover		*Indicators of hydric	s soil and wetland b	avdrology must be
Woody Vine Stratur	n Plot size: r=30'					ess disturbed or pr	
1			_				
2					4		
50% = 0.0%	20% = 0.0%	0	Total Cover		Hydrophytic V	egetation Presen	t?
Remarks: (Include	photo numbers here or on a separa	te sheet.)			Yes	_NoX	

											Sampling Point:	DP-1		
Profile Des	scription: (D	escribe to dep	oth needed to do	cument the ir	ndicator o	or confirm	absence	e of ind	icators.)					
	Depth	Ma	atrix		Redox Fea	atures								
	(inches)	Color	%	Color	%	Type*	Loc**	Te	exture		Remarks			
	0-16	10YR 5/4	100			<u> </u>			Loam					
	0.0	10111.0, .	100		+	 	+		Loui					
				+	+	+	+-							
					+	 	+	+-						
	L*т	wher C=Concer	stration D=Denlet	tion RM=Red	Leed Matr	L riv MS=M	asked Sa	nd arair		ation.	PL=Pore Lining, M=Matrix			
		уре. О-ооноон		il Indicators:	JUEU IVIOLI	IX, IVIO-IVI	doneu ou	Ilu gran	15 100	alion.	Indicators for Problema	atia Saile ***		
	Histosol (A1)		Tiyuno oo.	I illulcators.	Teandy G	Sleyed Mat	+-iv (QA)				Coast Prairie Redox (A16)	alic Juna		
											Dark Surface (S7)			
	Histic Epiped					Redox (S5)					` /	10)		
	Black Histic					Matrix (S					Iron-Manganese Masses (F			
	Hydrogen Su					Mucky Min					Very Shallow Dark Surface			
	Stratified Lay					Gleyed Ma					Other (Explain in Remarks)			
	2 cm Muck (/		(* 4 4)			d Matrix (F				***	Indicators of hydrophytic veg	getation and wetland		
	· ·	low Dark Surfac	ce (A11)			Dark Surfac					ydrology must be presnet, u	nless disturbed or		
	Thick Dark S	, ,			<u> </u>	d Dark Sur	, ,			-	problematic			
	<u> </u>	y Mineral (S1)			Redox D	Depression	ıs (F8)							
	5cm Mucky F													
Restrictive	Layer (if ob													
_						-		_						
D€	epth (inches):					-	Hydric	Soil Pre	esent?	Yes	NoX			
Domarko:	No Dodov													
Remarks:	No Redux													
	_													
HYDROL	.OGY													
Wetland H	ydrology Ind	icators:												
	ı	Primar	ry Indicators (chec	ck all that app	ly)						Secondary Indicators			
	Surface Wate	er (A1)		Wate	r Stained	Leaves (B	19)	\longrightarrow		Surface Soil Cracks (B6)				
	High Water 1	able (A2)		Aquat	tic Fauna	(B13)		\longrightarrow		Drair	nage Patterns (B10)			
	Saturation (A	ι3)		True	Aquatic Pl	lants (B14	·)			Dry-S	Season Water Table (C2)			
	Water Marks	(B1)		Hydro	gen Sulfic	de Odor (0	21)			Cray	fish Burrows (C8)			
	Sediment De	posits (B2)		Oxidi	zed Rhizo	spheres o	n Living F	Roots .	Χ	Satu	ration Visible on Aerial Imag	ery (C9)		
	Drift Deposits	s (B3)		(C3)					Χ	Stun	ted or Stressed Plants (D1)			
	Algal Mat or	Crust (B4)		Prese	nce of Re	educed Iro	n (C4)	$ \bot $		Geor	norphic Position (D2)			
	Iron Deposits	(B5)		Rece	nt Iron Re	duction in	Tilled So	ii (C6)		FAC	-Neutral Test (D5)			
	Inundation V	isible on Aprial	Imagani (R7)	11000	III II OH ING		Tilled 55	11 (00)						
	Inunuauon v	isible on Aerial	Imagery (b7)	Thin I	Muck Surf	ace (C7)								
	0alv.\/ar	- t-t Conco	0::::f==0 (B0)			Data (D9)								
	Sparsely ve	jetated Concav	Sparsely Vegetated Concave Surface (B8) Other (Explain in											
					(- 1		,	$\overline{}$						
Field Obse	ervations:													
	ervations:		Yes	No	×	Depth	ı (inches)			Wetl	and Hydrology Present?			
	ater Present?			No			h (inches)			Wetl				
Surface Wa Water Tabl	ater Present? e Present?		Yes	No	X	Depth	h (inches)			Wetl	and Hydrology Present? Yes X No			
Surface Wa Water Tabl Saturation	ater Present? e Present? Present?		Yes Yes	No	X X	_ Depth _ Depth	h (inches) h (inches)			Wetl				
Surface Wa Water Tabl Saturation	ater Present? e Present? Present?	(stream guage	Yes	No	X X	_ Depth _ Depth	h (inches) h (inches)			Wetl				
Surface Wa Water Tabl Saturation	ater Present? e Present? Present?	(stream guage	Yes Yes	No	X X	_ Depth _ Depth	h (inches) h (inches)			Wetl				
Surface Wa Water Tabl Saturation Describe R	ater Present? e Present? Present? ecorded Data		Yes Yes e, monitoring well,	No	X X	_ Depth _ Depth	h (inches) h (inches)			Wetl				
Surface Wa Water Tabl Saturation Describe R	ater Present? e Present? Present? ecorded Data	ı (stream guage	Yes Yes e, monitoring well,	No	X X	_ Depth _ Depth	h (inches) h (inches)			Wetl				

Site:	Clinton Subs	tation Expansion F	Project		City/County:	Wilmington/Uni	ion	Sampling Date:	10/13/2020
Applicant/O)wner:	Dayton Power an	d Light				State: O	H Sampling Point:	DP-2
Investigator	r(s):	SM				Section, Townsh	nip, Range: No PLSS		
Landform: ((hillslope, terr	ace, etc.): <u>de</u>	pression		Loca	al relief (concave	e, convex, none): Con	cave	
Slope (%):	0			Lat. 39.39	9851686	Long	-83.85462895	Datum:	NAD 83
Soil Map Ur	nit Name:	Fincastle silt loan	n, southern ohi	o till plain, 0 t	o 2 percent slopes		NWI	Classification: N/A	
Are climation	c/hydrologic c	onditions on the si	ite typical for ti	me of year?		Yes	X No	(If no, explain in	the Remarks)
Are		N		N or	Hydrology N	_significantly di	isturbed?		
Are	Vegetation	N	Soil _	N or	Hydrology N	naturally prob	lematic?		
l	Circumstanc		Yes _	X	No	(If needed, ex	plain any answers in F	Remarks)	
SUMMAR	RY OF FINE								
	Hy	drophytic Vegetat		Yes X	_	-	e Sampled Area with		
		•	Soil Present?	Yes X			XNo		
		Wetland Hydrolo	ogy Present?	Yes X	No	_	f yes, optional Weland	Site ID: wetland W-	1
Remarks:	PEM								
VEGETA [*]	TION							Compling Daint	DD 2
VEGETA	TION			Absolute	Dominant	Indicator	1	Sampling Point:	DP-2
Tree Stratu	<u>m</u> _	Plot size: r=	30'	% Cover	Species	Status	Dominance Test W	orksheet	
1						_		ant species that are W, or FAC:	
2.					_		-		4 (A)
3.					_	-	→	dominant species all strata:	
4						_	acioss .	ali Sirata.	4 (B)
5.					_	_		ant species that are W, or FAC:	
50% =	0.0%	20% =	0.0%	0	_ Total Cover		032,1710	, 6. 17.6.	(A/B)
Shrub Strat		Plot size: r=		40	.,	540	<u> </u>		
l .	Populus delta	oldes		10	_ <u>Y</u>	FAC	Prevalence Index V	Vorksheet	
2. 3.							Total % cover of:	70 x 1	70
4.					_	-	OBL species FACW species	70 x 1 30 x 2	70 60
5.					_		FAC species	10 x 3	30
50% =	5.0%	20% =	2.0%	10	Total Cover	-	FACU species	0 x 4	0
Herb Stratu		Plot size: r=	-	10	_ 10101 00701		UPL species	0 x 5	0
	 Leersia oryzo			40	Y	OBL	Column Total	110 (A)	160 (B)
l .	Phalaris arur			30	Y	FACW	1	Prevalence Index:	
3.	Carex lurida			30	Y	OBL	7		,
4.							Hydrophytic Veget	ation Indicators:	
5.					_		1 - Rapid	Test for Hydrophytic	/egetation
6.							X 2 - Domin	ance Test is >50%	
7.							X 3 - Preval	ence Index is ≤3.0*	
8.								ological Adaptations*	
9.					_		data in rer	marks or on a separat	e sheet)
10.						_	5 - Proble	matic Hydrophytic Ve	getation*
50% =	50.0%	20% =	20.0%	100	_Total Cover		*Indicators of hy	dric soil and wetland	hydrology must be
Woody Vine	e Stratum_	Plot size: r=	30'					unless disturbed or p	
1					_				
2.						_	-		_
50% =	0.0%	20% =	0.0%	0	Total Cover		7	ic Vegetation Preser	
Remarks: ((Include photo	numbers here or	on a separate	sheet.)			Yes>	No	-

	Sampling Point: DP 2												
SOIL Sampling Point: DP-2													
Profile De	rofile Description: (Describe to depth needed to document the indicator or confirm absence of indicators.)												
	Depth	Ma	atrix		F	Redox Fe	atures						
	(inches)	Color	%	Co	lor	%	Type*	Loc**	Te	exture		Remarks	
	0-16	10YR 3/2	90	10YF	8 5/6	10	С	PL/M	Sil	t Loam		Prominent Redox Cond	centrations
	*T	ype: C=Concer	ntration, D=Deple	etion, RN	1=Redu	uced Mati	ix, MS=M	lasked Sa	nd grai	ns **Loc	ation:	PL=Pore Lining, M=Matrix	
			Hydric Sc	oil Indica	ators:							Indicators for Problema	atic Soils ***
	Histosol (A1)					Sandy G	Sleyed Ma	trix (S4)				Coast Prairie Redox (A16)	
	Histic Epiped						edox (S5)					Dark Surface (S7)	
	Black Histic (Stripped	Matrix (S	, (6)				Iron-Manganese Masses (F	F12)
	Hydrogen Su						/lucky Min					Very Shallow Dark Surface	•
	Stratified Lay	` '					Sleyed Ma					Other (Explain in Remarks)	,
	2 cm Muck (A						d Matrix (F					<u> </u>	
	,	low Dark Surfac	re (A11)		Х		ark Surfa					ndicators of hydrophytic veg	
	Thick Dark S		<i>(</i> , (, , ,)					rface (F7)			hy hy	drology must be presnet, un problematic.	
		/ Mineral (S1)				· ·	epression	, ,			1	problematio.	•
	5cm Mucky F					I COOX E	гергеззіог	13 (1 0)					
Postrictiv	e Layer (if ob:												
Restrictiv													
							-	Liverie	eall D.		Vaa	V No	
"	epth (inches):						-	пушть	SOII PI	esentr	res	XNo	
Remarks:													
HVDBO													
HIDRO	LOCV												
l	LOGY												
Wetland H	LOGY Hydrology Ind												
Wetland I	lydrology Ind	Primar	ry Indicators (che	eck all th								Secondary Indicators	
Wetland h	Surface Water	Primar er (A1)	y Indicators (che	eck all th	Water	Stained	Leaves (E	39)		X		ce Soil Cracks (B6)	
Wetland h	Surface Water 1	Primar er (A1) 「able (A2)	y Indicators (che	eck all th	Water	Stained	(B13)	,		X X	Drain	ce Soil Cracks (B6) age Patterns (B10)	
Wetland h	Surface Water	Primar er (A1) 「able (A2)	y Indicators (che	eck all th	Water	Stained	,	,			Drain	ce Soil Cracks (B6)	
Wetland F	Surface Water 1	Primar er (A1) Fable (A2)	y Indicators (che	eck all th	Water Aquat True A	Stained ic Fauna Aquatic P	(B13)	l)			Drain Dry-S	ce Soil Cracks (B6) age Patterns (B10)	
Wetland h	Surface Water 1 Saturation (A	Primar er (A1) Table (A2) .3)	y Indicators (che	eck all th	Water Aquat True A	Stained ic Fauna Aquatic P	(B13) lants (B14 de Odor (0	l)	Roots		Drain Dry-S Crayt	ce Soil Cracks (B6) age Patterns (B10) Season Water Table (C2)	
Wetland h	Surface Water T Saturation (A Water Marks	Primar er (A1) Fable (A2) .3) (B1) eposits (B2)	y Indicators (che		Water Aquat True A	Stained ic Fauna Aquatic P	(B13) lants (B14 de Odor (0	L) C1)	Roots		Drain Dry-S Crayt Satur	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8)	
Wetland I	Surface Water 1 Saturation (A Water Marks Sediment De	Primar er (A1) Table (A2) .3) . (B1) eposits (B2) s (B3)	y Indicators (che		Water Aquat True A Hydro Oxidiz (C3)	Stained ic Fauna Aquatic P gen Sulfi zed Rhizo	(B13) lants (B14 de Odor (0	C1) Dn Living F	Roots		Drain Dry-S Crayt Satur Stunt	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag	
Wetland I	Surface Water High Water 1 Saturation (A Water Marks Sediment De Drift Deposits	Primar er (A1) Table (A2) .3) .(B1) .posits (B2) s (B3) Crust (B4)	y Indicators (che		Water Aquat True A Hydro Oxidiz (C3) Prese	Stained ic Fauna Aquatic P gen Sulfi zed Rhizo nce of Re	(B13) lants (B14) de Odor (Conspheres of the conspheres of the con	C1) On Living F		X	Drain Dry-S Crayf Satur Stunt Geon	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1)	
Wetland I	Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits	Primar er (A1) Table (A2) .33) . (B1) eposits (B2) s (B3) Crust (B4)			Water Aquat True A Hydro Oxidiz (C3) Prese	Stained ic Fauna Aquatic P gen Sulfi zed Rhizo nce of Re	(B13) lants (B14) de Odor (Conspheres of the conspheres of the con	C1) Dn Living F		X	Drain Dry-S Crayf Satur Stunt Geon	ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2)	
Wetland I	Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits	Primar er (A1) Table (A2) .3) .(B1) .posits (B2) s (B3) Crust (B4)			Water Aquat True A Hydro Oxidiz (C3) Prese Recer	Stained ic Fauna Aquatic P gen Sulfi zed Rhizo nce of Re	(B13) lants (B14 de Odor (C spheres of	C1) On Living F		X	Drain Dry-S Crayf Satur Stunt Geon	ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2)	
Wetland I	Surface Water High Water 1 Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi	Primar er (A1) Table (A2) .33) .(B1) .pposits (B2) s (B3) Crust (B4) s (B5) sisible on Aerial	Imagery (B7)		Water Aquat True A Hydro Oxidiz (C3) Prese Recer	Stained ic Fauna Aquatic P gen Sulficed Rhizo nce of Real tron Re	(B13) lants (B14 de Odor (C spheres of	C1) C1) on Living F on (C4) Tilled Soi		X	Drain Dry-S Crayf Satur Stunt Geon	ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2)	
Wetland I	Surface Water High Water 1 Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi	Primar er (A1) Table (A2) .33) . (B1) eposits (B2) s (B3) Crust (B4)	Imagery (B7)		Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin M Guage	Stained ic Fauna Aquatic P gen Sulfined Rhizo nce of Rent Iron Re	(B13) lants (B14) de Odor (Conspheres of the educed Iron duction in lace (C7)	E) C1) On Living F on (C4) Tilled Soi		X	Drain Dry-S Crayf Satur Stunt Geon	ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2)	
Wetland I	Surface Water High Water 1 Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi	Primar er (A1) Table (A2) .33) .(B1) .pposits (B2) s (B3) Crust (B4) s (B5) sisible on Aerial	Imagery (B7)		Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin M Guage	Stained ic Fauna Aquatic P gen Sulfined Rhizo nce of Rent Iron Re	(B13) lants (B14) de Odor (C) spheres co educed Iro duction in ace (C7) Data (D9)	E) C1) On Living F on (C4) Tilled Soi		X	Drain Dry-S Crayf Satur Stunt Geon	ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2)	
	Surface Water High Water 1 Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi	Primar er (A1) Table (A2) .33) .(B1) .pposits (B2) s (B3) Crust (B4) s (B5) sisible on Aerial	Imagery (B7)		Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin M Guage	Stained ic Fauna Aquatic P gen Sulfined Rhizo nce of Rent Iron Re	(B13) lants (B14) de Odor (C) spheres co educed Iro duction in ace (C7) Data (D9)	E) C1) On Living F on (C4) Tilled Soi		X	Drain Dry-S Crayf Satur Stunt Geon	ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2)	
Field Obs	Surface Water High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi Sparsely Veg	Primar er (A1) Table (A2) .33) .(B1) .pposits (B2) s (B3) Crust (B4) s (B5) sisible on Aerial	Imagery (B7)	X	Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin M Guage Other	Stained ic Fauna Aquatic P gen Sulfi ced Rhizo nce of Re nt Iron Re Muck Surf e or Well (Explain	(B13) lants (B14) de Odor (Gspheres of duction in ace (C7) Data (D9) in Remark	E) C1) On Living F on (C4) Tilled Soi	il (C6)	X	Drain Dry-S Crayl Satur Stunt Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) beason Water Table (C2) ish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2)	
Field Obs Surface W	Surface Water High Water To Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi Sparsely Veg	Primar er (A1) Table (A2) .33) .(B1) .pposits (B2) s (B3) Crust (B4) s (B5) sisible on Aerial	Imagery (B7) re Surface (B8)	X	Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin N Guage Other	Stained ic Fauna Aquatic P gen Sulfi ced Rhizo nce of Re nt Iron Re Muck Surf e or Well (Explain	(B13) lants (B14) de Odor (Gspheres of duction in ace (C7) Data (D9) in Remark	(C1) C1) C1) C1) C1) C1) C1) C2) C3) C4) C4) C5) C6)	il (C6)	X	Drain Dry-S Crayl Satur Stunt Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) sish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	
Field Obs Surface W	Surface Wate High Water T Saturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vi Sparsely Veg ervations: dater Present?	Primar er (A1) Table (A2) .33) .(B1) .pposits (B2) s (B3) Crust (B4) s (B5) sisible on Aerial	Imagery (B7) re Surface (B8) Yes _ Yes _	X	Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin N Guage Other	Stained ic Fauna Aquatic P gen Sulfined Rhizo nce of Re at Iron Re Muck Surf e or Well (Explain X X	(B13) lants (B14) de Odor (Gespheres of duced Iro duction in ace (C7) Data (D9) in Remark	t) C1) on Living F on (C4) Tilled Soi (xs) h (inches)	il (C6)	X	Drain Dry-S Crayl Satur Stunt Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) sish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	gery (C9)
Field Obs Surface W Water Tat Saturation	Surface Water High Water Taturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vis Sparsely Vegervations: [ater Present? Present?	Primar er (A1) Table (A2) .33) . (B1) eposits (B2) s (B3) Crust (B4) s (B5) sible on Aerial getated Concav	Imagery (B7) Yes _ Yes _ Yes _ Yes _	X	Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin N Guage Other	Stained ic Fauna Aquatic P gen Sulfi ed Rhizo nce of Re full Iron Re f	(B13) lants (B14) de Odor (to spheres of duction in ace (C7) Data (D9) in Remark Depti Depti	b) C1) C1) C1) C1) C1) C2) C3) C4) C4) C4) C5) C6) C6) C6) C7) C7) C7) C7) C7) C7) C7) C7) C7) C7	il (C6)	X	Drain Dry-S Crayl Satur Stunt Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) sish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	gery (C9)
Field Obs Surface W Water Tat Saturation	Surface Water High Water Taturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vis Sparsely Vegervations: [ater Present? Present?	Primar er (A1) Table (A2) .33) . (B1) eposits (B2) s (B3) Crust (B4) s (B5) sible on Aerial getated Concav	Imagery (B7) re Surface (B8) Yes _ Yes _	X	Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin N Guage Other	Stained ic Fauna Aquatic P gen Sulfi ed Rhizo nce of Re full Iron Re f	(B13) lants (B14) de Odor (to spheres of duction in ace (C7) Data (D9) in Remark Depti Depti	b) C1) C1) C1) C1) C1) C2) C3) C4) C4) C4) C5) C6) C6) C6) C7) C7) C7) C7) C7) C7) C7) C7) C7) C7	il (C6)	X	Drain Dry-S Crayl Satur Stunt Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) sish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	gery (C9)
Field Obs Surface W Water Tat Saturation	Surface Water High Water Taturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vis Sparsely Vegervations: [ater Present? Present?	Primar er (A1) Table (A2) .33) . (B1) eposits (B2) s (B3) Crust (B4) s (B5) sible on Aerial getated Concav	Imagery (B7) Yes _ Yes _ Yes _ Yes _	X	Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin N Guage Other	Stained ic Fauna Aquatic P gen Sulfi ed Rhizo nce of Re full Iron Re f	(B13) lants (B14) de Odor (to spheres of duction in ace (C7) Data (D9) in Remark Depti Depti	b) C1) C1) C1) C1) C1) C2) C3) C4) C4) C4) C5) C6) C6) C6) C7) C7) C7) C7) C7) C7) C7) C7) C7) C7	il (C6)	X	Drain Dry-S Crayl Satur Stunt Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) sish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	gery (C9)
Field Obs Surface W Water Tat Saturation Describe F	Surface Water High Water Taturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vis Sparsely Vegervations: [ater Present? Present?	Primar er (A1) Table (A2) .33) . (B1) eposits (B2) s (B3) Crust (B4) s (B5) sible on Aerial getated Concav	Imagery (B7) Yes _ Yes _ Yes _ Yes _	X	Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin N Guage Other	Stained ic Fauna Aquatic P gen Sulfi ed Rhizo nce of Re full Iron Re f	(B13) lants (B14) de Odor (to spheres of duction in ace (C7) Data (D9) in Remark Depti Depti	b) C1) C1) C1) C1) C1) C2) C3) C4) C4) C4) C5) C6) C6) C6) C7) C7) C7) C7) C7) C7) C7) C7) C7) C7	il (C6)	X	Drain Dry-S Crayl Satur Stunt Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) sish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	gery (C9)
Field Obs Surface W Water Tat Saturation	Surface Water High Water Taturation (A Water Marks Sediment De Drift Deposits Algal Mat or Iron Deposits Inundation Vis Sparsely Vegervations: [ater Present? Present?	Primar er (A1) Table (A2) .33) . (B1) eposits (B2) s (B3) Crust (B4) s (B5) sible on Aerial getated Concav	Imagery (B7) Yes _ Yes _ Yes _ Yes _	X	Water Aquat True A Hydro Oxidiz (C3) Prese Recer Thin N Guage Other	Stained ic Fauna Aquatic P gen Sulfi ed Rhizo nce of Re full Iron Re f	(B13) lants (B14) de Odor (to spheres of duction in ace (C7) Data (D9) in Remark Depti Depti	b) C1) C1) C1) C1) C1) C2) C3) C4) C4) C4) C5) C6) C6) C6) C7) C7) C7) C7) C7) C7) C7) C7) C7) C7	il (C6)	X	Drain Dry-S Crayl Satur Stunt Geon FAC-	ce Soil Cracks (B6) age Patterns (B10) season Water Table (C2) sish Burrows (C8) ation Visible on Aerial Imag ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)	gery (C9)

Site: Cl	linton Substat	ion Expansion I	Project		City/Cou	unty: W	/ilmington/Uni	on	Sa	mpling	Date:	10/13/2020
Applicant/Owi	ner: Da	ayton Power an	d Light					State:	OH Sai	npling	Point:	DP-3
Investigator(s): SI	M				Se	ction, Townsh	ip, Range: No PLS	S			
Landform: (hil	Ilslope, terrac	e, etc.): de	pression			Local re	elief (concave	, convex, none): Co	onvex			
Slope (%): 0				Lat. 39.	39849856		Long.	-83.85462707			atum:	NAD 83
Soil Map Unit	Name: Fi	ncastle silt loan	n, southern oh	io till plain, () to 2 percent slo	opes		N'	WI Classif	cation:	N/A	
Are climatic/h	ydrologic con	ditions on the s	ite typical for t	ime of year?)		Yes	XNo	(If r	o, expl	ain in th	ne Remarks)
Are ۱	Vegetation	N	Soil _	<u>N</u> o	r Hydrology	N s	significantly di	sturbed?				
Are ١	Vegetation	N	Soil _	N o	r Hydrology	N_r	naturally probl	ematic?				
Are Normal C	ircumstances	Present?	Yes _	X	No	((If needed, exp	olain any answers i	n Remarks	;)		
SUMMARY	OF FINDII	NGS										
	Hydr	ophytic Vegeta	tion Present?	Yes	No	X	Is the	e Sampled Area w	ithin a We	tland?	•	
		Hydric	Soil Present?	Yes	No	X	Yes	No	X			
	١	Wetland Hydrol	ogy Present?	Yes	No	X	If	yes, optional Wela	nd Site ID	:		
Remarks: up	oland data poi	nt for W-1, W-2	and W-3									
VEGETATI	ON								Saı	npling	Point:	DP-3
Troc Ctratum		Diet eizer r=	201	Absolute			Indicator	Dominanas Toot	Markaba	. •	,	
Tree Stratum 1.	_	Plot size: r=	30	% Cover	Species	5	Status	Dominance Test Number of dom			t ara	
2.					_			⊣	ACW, or F		lale	0 (A)
3.								Total number	of domina	nt snec	ies	0(A)
4. —									s all strata		100	2 (B)
5.					_			Percent of dom	inant spec	ies that	are	(5)
50% =	0.0%	20% =	0.0%	0	Total Cover				ACW, or F			0% (A/B)
Shrub Stratum		Plot size: r=	-								-	(44-)
	— onicera maacl	—		50	Υ		UPL	Prevalence Inde	k Worksh	eet		
_	laeagnus umb							Total % cover of:				
3.								OBL specie	s 0	х	1	0
4.								FACW specie	s 0	х	2	0
5.								FAC specie	s 0	х	3	0
50% =	50.0%	20% =	20.0%	100	Total Cover			FACU specie	s 0	х	4	0
Herb Stratum	_	Plot size: r=	5'					UPL specie	s 100	х	5	500
1								Column Tota	al 100	(A)		500 (B)
2									Prev	alence	Index:	5.0 (B/A)
3												
4								Hydrophytic Veg	etation In	dicato	rs:	
5								1 - Rap	id Test for	Hydrop	ohytic V	egetation
6								2 - Dom	inance Te	st is >5	50%	
7								3 - Prev	alence Inc	lex is <	3.0*	
8												Provide supporting
9								data in	remarks o	on a s	eparate	e sneet)
10								5 - Prob	lematic H	ydrophy	ytic Veg	getation*
50% =	0.0%	20% =	0.0%	0	Total Cover			*Indicators of	hydric soil	and w	etland h	nydrology must be
Woody Vine S	Stratum_	Plot size: r=	30'									oblematic
1												
2								1				
50% =	0.0%	20% =	0.0%	0	Total Cover			Hydroph	ytic Vege	tation	Presen	t?
Remarks: (In	clude photo n	umbers here or	on a separate	sheet.)				Yes _	No		X	

SOIL										Sampling Point:	DP-3		
Profile De	scription: (D	escribe to dep	oth needed to do	cument the ir	idicator o	or confirm	absenc	e of indica	tors.)				
	Depth	Ma	atrix	F	Redox Fea	atures							
	(inches)	Color	%	Color	%	Type*	Loc**	Textu	re	Remarks			
	0-16	10YR 3/3	100			1 7		Silt Loa					
	0.10	10111070	100			1	\vdash						
			 		 	+		+					
					 	+		+					
	*T	Vine: C=Concer	L L	tion PM=Red	Lood Matr	riv MS=M	Leked Sa	I araine	**Location	n: PL=Pore Lining, M=Matrix			
		уре. С-сопост		il Indicators:	JCEU IVIA	IX, IVIO-IVI	doneu ou	Ilu yranis	LUCATIO	Indicators for Problem			
	Histosol (A1)	`	Tiyuno oo.	Il Illulcators.	Candy C	Gleyed Mat	+-iv (QA)			Coast Prairie Redox (A16)			
	Histic Epiped			-+			, ,			Dark Surface (S7))		
		, ,		_		Redox (S5)				` ′	T40\		
	Black Histic	,				d Matrix (So				Iron-Manganese Masses (•		
	Hydrogen Su					Mucky Min				Very Shallow Dark Surface	•		
	Stratified Lay					Gleyed Ma				Other (Explain in Remarks	;)		
	2 cm Muck (A		(8.4.4)	$\overline{}$		d Matrix (F			**	* Indicators of hydrophytic ve	egetation and wetland		
		low Dark Surfac	ce (A11)			Dark Surfac				hydrology must be presnet, u	unless disturbed or		
		Surface (A12)			<u> </u>	d Dark Sur	, ,)		problemation	3.		
		y Mineral (S1)			Redox D	Depression	ıs (Fö)						
	5cm Mucky F					$\overline{}$							
Restrictive	e Layer (if ob:												
						-				,			
יט	epth (inches):					-	Hydric	Soil Prese	ent? Yes	sNoX			
Remarks:													
Remains.													
HYDROL													
Wetland H	lydrology Ind	icators:											
		Primar	ry Indicators (chec	ck all that appl	y)			-+		Secondary Indicators	S		
	Surface Water	er (A1)		Water	Stained	Leaves (B	19)		Sur	Surface Soil Cracks (B6)			
	High Water	Table (A2)		Aquat	tic Fauna	(B13)		$-\!\!+\!\!$	Dra	ainage Patterns (B10)			
	Saturation (A	١3)		True /	Aquatic Pl	Plants (B14	.)	$-\!\!\!\!+$	Dry	-Season Water Table (C2)			
	Water Marks	; (B1)		Hydro	gen Sulfi	ide Odor (C	21)	$-\!$	Cra	ayfish Burrows (C8)			
	Sediment De	posits (B2)		Oxidiz	zed Rhizo	ospheres o	n Livina F	Roots	Sat	turation Visible on Aerial Ima	gery (C9)		
	Drift Deposits	s (B3)		(C3)					Stu	inted or Stressed Plants (D1)	J		
	Algal Mat or	Crust (B4)		Prese	nce of Re	educed Iro	n (C4)	\bot	Ge	omorphic Position (D2)			
	Iron Deposits	s (B5)		Recei	ot Iron Re	eduction in	Tilled So	(06)	FA	C-Neutral Test (D5)			
	Inundation V	isible on Aerial	Imagery (R7)					(55)					
	Illunuauon v	ISIDIE UN ACHAI	Illiagery (57)	Thin N	Muck Surfa	face (C7)							
	0rook/\/o	t-t-d Concor	Comface (DO)	Guage	e or Well	Data (D9)							
	Sparsely ve	getated Concav	ve Surface (B8)			in Remark							
			-										
Field Obse	ervations:												
Surface W	ater Present?		Yes	No	,	Dept	h (inches))	We	tland Hydrology Present?			
Water Tab	le Present?			No		_	h (inches)			Yes No	X		
Saturation	Present?			No			h (inches)						
Describe R	lecorded Data	ı (stream guage	e, monitoring well,	, aerial photos,	, previous	inspection	ns), if ava	ailable:					
Remarks:													
inemains.													

Site: 0	Clinton Subs	tation Expansion I	Project		City/C	County:	Wilmington/Uni	ion	Sa	ampling	g Date:	10/14/2020
Applicant/Ov	vner:	Dayton Power an	d Light					State:	OH Sa	mpling	Point:	DP-4
Investigator(s):	SM					Section, Townsh	nip, Range: No PLS	S			
Landform: (h	illslope, terr	ace, etc.): de	pression			Loca	al relief (concave	e, convex, none): <u>Co</u>	ncave			
Slope (%): <u>C</u>)			Lat. 39.3	39861357		Long	ı. <u>-83.85482453</u>		_	Datum:	NAD 83
Soil Map Uni	it Name:	Treaty silty clay le	oam, 0 to 1 per	rcent slopes				N	VI Classi	fication	n: <u>N/A</u>	
Are climatic/	hydrologic c	onditions on the s	ite typical for ti	me of year?			Yes	X No	(If	no, exp	olain in t	he Remarks)
		N	_	N or	Hydrology _	N	_significantly d	isturbed?				
Are	Vegetation	N	Soil _	N o	Hydrology _	N	naturally prob	lematic?				
Are Normal (Yes _	X	No_		(If needed, ex	plain any answers ir	Remark	s)		
SUMMAR												
	H	ydrophytic Vegeta		Yes>			-	e Sampled Area w		etland	?	
			Soil Present?	Yes>				XNo				
		Wetland Hydrol	ogy Present?	Yes>	No_		_ li	f yes, optional Wela	nd Site ID): wetl	and W-2	2
Remarks: F	PEM, abuts	ephemeral stream										
VEGETAT	ION								Sa	mpling	Point:	DP-4
Tree Stratum	,	Plot size: r=	30'	Absolute % Cover	Domir Spec		Indicator Status	Dominance Test	Worksho	not.		
1.	<u>-</u>	1 lot size. 1-		70 COVE	Орес	103	Status	Number of dom			at are	
2.							-		CW, or F		at ale	3 (A)
3.					_		_	Total number	of domina	nt spe	cies	(//
4.							-	_	s all strat			3 (B)
5.								Percent of domi	nant spec	cies tha	at are	(/
50% =	0.0%	20% =	0.0%	0	Total Cove	er	-		CW, or F			100% (A/B)
Shrub Stratu	<u>m_</u>	Plot size: r=	- 15'		_							`
1.								Prevalence Index	Worksh	eet		
2.								Total % cover of:				
3.								OBL specie	s 30	х	1	30
4							_	FACW specie	s 50	х	2	100
5								FAC specie	s 20	х	3	60
50% =	0.0%	20% =	0.0%	0	Total Cove	er		FACU specie	s 0	х	4	0
Herb Stratun	<u>n_</u>	Plot size: r=	5'					UPL specie	s 0	х	5	0
1. <u>E</u>	Echinochloa	crus-galli		50	Y		FACW	Column Tota	100	(A)		190 (B)
2. <u>(</u>	Carex Iurida			30	<u>Y</u>		OBL	_	Prev	/alence	e Index:	1.9 (B/A)
3. <u>F</u>	Rumex crisp	us		20	<u>Y</u>		FAC					
4								Hydrophytic Veg	etation Ir	ndicate	ors:	
5							-	 	d Test for	r Hydro	phytic \	/egetation
6								X 2 - Dom	inance Te	est is >	50%	
7. –							_	 	alence In			
8. –							-		hological emarks o			(Provide supporting
9								 				,
10							_	5 - Prob	lematic H	lydroph	nytic Ve	getation*
50% =	50.0%	20% =	20.0%	100	Total Cove	er						hydrology must be
Woody Vine	Stratum	Plot size: r=	30'					presei	nt, unless	disturt	oed or p	roblematic
1. – 2.							_					
50% =	0.0%	20% =	0.0%	0	Total Cove	or .	_	Hydroph	vtic Vec	tation	Preser	nt?
		o numbers here or			Total Cove			7	X No			
			a coparato									•
I												

SOIL												Sampling Point:	DP-4		
Profile Des	scription: (D	escribe to dep	th needed to do	cument	the in	dicator o	or confirm	absence	of in	dicators.)		,			
	Depth Matrix Redox Features														
	(inches)	Color	%	Colc		%	Type*	Loc**	T	exture		Remarks			
	0-16	10YR 4/2	95	10YR		5	C	PL/M		t Loam		Prominent Redox Cor	centrations		
	*T-	vne: C=Concer	tration D=Denle	tion RM:	=Redu	Iced Matr	iv MS=M	asked Sar	nd arai	ine **Loc	ation.	PL=Pore Lining, M=Matrix			
	<u>'</u>	ype. C=Concer	Hydric So	-		iceu iviati	IX, IVIO-IVI	askeu Gai	iu grai	ilis Loc	ation.	Indicators for Problem	atic Soils ***		
	Histosol (A1)		Tiyane 30	ii iiidicai	1015.	Sandy C	Sleyed Ma	triv (CA)				Coast Prairie Redox (A16)			
	Histic Epiped						ledox (S5)					Dark Surface (S7)			
	Black Histic (Matrix (S					Iron-Manganese Masses (I	=12\		
	Hydrogen Su	,										Very Shallow Dark Surface	•		
							Mucky Min					Other (Explain in Remarks	`		
	Stratified Lay				~		Bleyed Ma					Other (Explain in Remarks)		
	2 cm Muck (A		(Δ44)		Х		d Matrix (F				***	Indicators of hydrophytic ve	getation and wetland		
		ow Dark Surfac	ce (ATT)			ark Surfa				h	ydrology must be presnet, u				
	Thick Dark S						d Dark Su				1	problemation	.		
		y Mineral (S1)				Redox L	epression	is (F8)							
	5cm Mucky F														
Restrictive	Layer (if obs														
_	Type:						-								
De	epth (inches):						-	Hydric	Soil P	resent?	Yes	XNo			
Remarks:															
i telliaiks.															
HYDROL	LOGY														
Wetland H	ydrology Ind	icators:								ı					
	I	Primar	ry Indicators (che	ck all tha	t apply	y)					1	Secondary Indicators	3		
	Surface Wate	er (A1)		,	Water	Stained	Leaves (B	9)			Surfa	ace Soil Cracks (B6)			
	High Water 1	Table (A2)			Aquati	ic Fauna	(B13)			Х	Drair	nage Patterns (B10)			
	Saturation (A	3)			True A	Aquatic P	lants (B14)			Dry-S	Season Water Table (C2)			
	Water Marks	(B1)			Hydro	gen Sulfi	de Odor (0	C1)			Cray	fish Burrows (C8)			
	Sediment De	posits (B2)		X	Oxidiz	ed Rhizo	spheres o	n Living R	Roots		Satu	ration Visible on Aerial Imag	gery (C9)		
	Drift Deposits	s (B3)			(C3)		<u> </u>				Stun	ted or Stressed Plants (D1)			
	Algal Mat or	Crust (B4)			Preser	nce of Re	duced Iro	n (C4)			Geor	morphic Position (D2)			
	Iron Deposits	s (B5)			Recen	nt Iron Re	duction in	Tilled Soi	I (C6)	X	FAC	-Neutral Test (D5)			
	Inundation Vi	isible on Aerial	Imagery (B7)						. ()						
	manada on v			-	Thin M	luck Surf	ace (C7)								
	Snarsely Ver	getated Concav	re Surface (B8)		Guage	or Well	Data (D9)								
	Oparacity vog	getated Concav	c ourlace (Bo)		Other	(Explain	in Remark	(s)							
Field Obse	ervations:														
Surface Wa	Surface Water Present? Yes NoX Depth (inches) Wetland Hydrology Present?														
Water Tab	le Present?		Yes		No	X	Depth	n (inches)				Yes X No			
Saturation	Present?					X		n (inches)							
Docariba B	locarded Data	(stroom guage	monitoring well	agrial p	hotos	provious	incoctio	nc) if ove	ilabla:	-					
Pescine K	looorded Dala	(Sucam guage	e, monitoring well	, acııdı βi	110108,	hienings	mopecuo	ııs <i>ı</i> , II ava	navie:						
Remarks:															

Site: Clinton Subst	tation Expansion Project		City/County:	Wilmington/Un	ion	Sampling Date:	10/14/2020
Applicant/Owner:	Dayton Power and Light				State: OH	Sampling Point:	DP-5
Investigator(s):	SM			Section, Townsl	nip, Range: No PLSS		
Landform: (hillslope, terra	ace, etc.): depression		Loca	al relief (concave	e, convex, none): Conca	ive	
Slope (%): 0		Lat. 39.39	828361	Long	j. <u>-83.85429281</u>	Datum:	NAD 83
Soil Map Unit Name:	Fincastle silt loam, southern oh	io till plain, 0 to	2 percent slopes		NWI C	Classification: N/A	
Are climatic/hydrologic c	onditions on the site typical for t	ime of year?		Yes	X No	(If no, explain in t	the Remarks)
Are Vegetation	N Soil_	N or h	Hydrology N	_significantly d	isturbed?		
Are Vegetation	N Soil _	N or F	Hydrology N	_naturally prob	lematic?		
Are Normal Circumstanc	es Present? Yes _	X	No	_(If needed, ex	plain any answers in Re	emarks)	
SUMMARY OF FIND	DINGS						
Hy	drophytic Vegetation Present?	Yes X	No	_ ls th	ne Sampled Area withir	n a Wetland?	
	Hydric Soil Present?	Yes X	No	Yes	XNo		
	Wetland Hydrology Present?	Yes X	No		f yes, optional Weland S	Site ID: wetland W-	3
Remarks: PEM portion							
							ı
VEGETATION		Absolute	Daminant	lu di a atau	<u> </u>	Sampling Point:	DP-5
Tree Stratum	Plot size: r=30'	% Cover	Dominant Species	Indicator Status	Dominance Test Wo	rksheet	
1. Platanus occ	identalis	10	Υ	FACW	Number of dominan	t species that are	
2.			-		OBL, FACW	/, or FAC:	2 (A)
3.					Total number of do	ominant species	
4.					across all	l strata:	(B)
5.					Percent of dominan	t species that are	
50% = 5.0%	20% = 2.0%	10	Total Cover		OBL, FACW	/, or FAC:	100%(A/B)
Shrub Stratum	Plot size: r=15'						
1.			_		Prevalence Index We	orksheet	
2.			_		Total % cover of:		
3.			_		OBL species	95 x 1	95
4.					FACW species	15 x 2	30_
5.					FAC species	0 x 3	0
50% = 0.0%	20% = 0.0%	0	_Total Cover		FACU species	0 x 4	0
Herb Stratum_	Plot size: r=5'				UPL species	0 x 5	0
1. <u>Typha angus</u>	tifolia	95	Y	OBL	Column Total	110 (A)	125 (B)
2. Cyperus esci	ulentus	5	N	FACW		Prevalence Index:	1.1 (B/A)
3.							
4					Hydrophytic Vegetat	tion Indicators:	
5.					1 - Rapid Te	est for Hydrophytic \	/egetation
6.					X 2 - Dominar	nce Test is >50%	
7.					X 3 - Prevaler	nce Index is ≤3.0*	
8.						ogical Adaptations* arks or on a separat	(Provide supporting
9.					data in rema	arks or on a separar	e sneet)
10.			_		5 - Problem	atic Hydrophytic Ve	getation*
50% = 50.0%	20% = 20.0%	100	_Total Cover		*Indicators of hyd	ric soil and wetland	hvdrology must be
Woody Vine Stratum	Plot size: r=30'					nless disturbed or p	
1				-	-		
2.				<u>. </u>	4		
50% = 0.0%	20% = 0.0%	0	Total Cover		7	Vegetation Preser	
Remarks: (Include photo	numbers here or on a separate	sheet.)			Yes X	No	-

SOIL												Sampling Point:	DP-5
Profile De	scription: (D	escribe to dep	oth needed to do	ocument	the in	dicator o	or confirm	n absence	of ir	ndicators.)		,	
	Depth Matrix Redox Features												
	(inches)	Color	%	Col		%	Type*	Loc**	—	Texture		Remarks	
	0-16	10YR 5/2	80	7.5YR		20	C	PL/M		· ontair o		Distinct Redox Conc	
	0.10	10111 0/2	00	7.011	. 0/0	20	<u> </u>	1 2/111				Biotinot redex cone	ontrationo
	*T	Vne: C=Concer	ntration D-Denk	tion PM	I-Padı	Iced Mati	iv MS-M	acked Sar	nd ara	aine **Loc	ation:	PL=Pore Lining, M=Matrix	
	<u> </u>	ypc. 0-00ncci	Hydric Sc			acca iviati	IX, IVIO-IVI	askea ear	ila gir	all 13 Loc		Indicators for Problem	
	Histosol (A1)	١	Tiyane 30	Jii iiiuica	1015.	Sandy G	Sleyed Ma	triv (S1)				Coast Prairie Redox (A16)	
	Histic Epiped						Redox (S5)					Dark Surface (S7)	
	Black Histic						Matrix (S					Iron-Manganese Masses (I	
	Hydrogen Su						Aucky Min					Very Shallow Dark Surface	•
	Stratified Lay						Gleyed Ma					Other (Explain in Remarks	
					Х		d Matrix (F					Other (Explain III Nemarks	/
	2 cm Muck (A										***	Indicators of hydrophytic ve	getation and wetland
		low Dark Surfac	3e (ATT)				ark Surfa				h;	ydrology must be presnet, u	
	Thick Dark S						d Dark Su				1	problemation	λ.
		y Mineral (S1)				Redox L	epression	is (Fo)					
Do odni odi u	5cm Mucky F						I						
Restrictive	e Layer (if ob	,											
							-	University of	0 - 11 -		V	V N-	
0	eptn (inches):						-	Hyaric	SOILE	resent?	Yes	XNo	
Remarks:													
 HYDROI	OGV												
	lydrology Ind	licators:											
vvetianu i	iyarology illa		n, Indicators (she	ook all the	at apple	\(\)				Τ		Secondary Indicators	
	Curfoss Wet		ry Indicators (che	eck all the			Laguage (B	20)		\ \ \	Curfo	•	<u>, </u>
	Surface Wat						Leaves (E	9)		X		ace Soil Cracks (B6)	
	High Water					ic Fauna		\		 ^		nage Patterns (B10)	
	Saturation (A						lants (B14					Season Water Table (C2)	
	Water Marks				Hyaro	gen Suiti	de Odor (0	<i>3</i> 1)				fish Burrows (C8)	(00)
<u> </u>	Sediment De			×		ed Rhizo	spheres o	n Living R	Roots	-		ration Visible on Aerial Imag	
	Drift Deposit				(C3)							ted or Stressed Plants (D1)	
	Algal Mat or				Prese	nce of Re	educed Iro	n (C4)		X		norphic Position (D2)	
	Iron Deposits	s (B5)			Recen	nt Iron Re	duction in	Tilled Soi	il (C6)) X	FAC-	-Neutral Test (D5)	
	Inundation V	isible on Aerial	Imagery (B7)							4			
						/luck Surf				4			
	Sparsely Ve	getated Concav	/e Surface (B8)		Guage	e or Well	Data (D9)	1		4			
					Other	(Explain	in Remark	(s)		╛			
Field Obs	ervations:												
I	Surface Water Present? Yes NoX Depth (inches) Wetland Hydrology Present?												
Water Tab	le Present?		Yes _					n (inches)		_		Yes X No	
Saturation	Present?		Yes _		No	X	Deptl	n (inches)		_			
Describe F	Recorded Data	ı (stream guage	e, monitoring well	I, aerial p	hotos,	previous	inspectio	ns), if ava	ilable	:			
Remarks:													
I													

Site: Clinton Substation Expansion Project		City/County:	Wilmington/Uni	on Sa	ampling Date:	10/14/2020
Applicant/Owner: Dayton Power and Light				State: OH Sa	mpling Point:	DP-6
Investigator(s): SM			Section, Townsh	ip, Range: No PLSS		
Landform: (hillslope, terrace, etc.): depression		Loca	I relief (concave	, convex, none): Concave		
Slope (%): 0	Lat. 39.398	803456	Long	83.85404652	Datum:	NAD 83
Soil Map Unit Name: Fincastle silt loam, southern ohio	o till plain, 0 to	2 percent slopes	<u>.</u>	NWI Classi	fication: N/A	
Are climatic/hydrologic conditions on the site typical for tir	ne of year?		Yes	XNo(If	no, explain in t	he Remarks)
Are Vegetation N Soil	N or F	lydrology N	_significantly di	sturbed?		
Are Vegetation N Soil	N or F	lydrology N	_naturally probl	ematic?		
Are Normal Circumstances Present? Yes	X	No	_(If needed, exp	olain any answers in Remark	s)	
SUMMARY OF FINDINGS						
Hydrophytic Vegetation Present?	Yes X	No	ls the	e Sampled Area within a W	etland?	
Hydric Soil Present?	Yes X	No	Yes	X No		
Wetland Hydrology Present?	Yes X	No	. If	yes, optional Weland Site II	D: wetland W-	3
Remarks: PFO portion						
						ı
VEGETATION	Al l . d .	D	In all and an	Sa	impling Point:	DP-6
Tree Stratum Plot size: r=30'	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksho	eet	
1. Salix nigra	80	Υ	OBL	Number of dominant spe	cies that are	
2.				OBL, FACW, or I	FAC:	3 (A)
3.		-		Total number of domina	ant species	
4.		-		across all strat	a:	3 (B)
5.		-		Percent of dominant spe	cies that are	
50% = 40.0% 20% = 16.0%	80	Total Cover		OBL, FACW, or I	FAC:	100% (A/B)
Shrub Stratum Plot size: r=15'		-				
1				Prevalence Index Worksh	eet	
2.				Total % cover of:		
3				OBL species 130	x 1	130
4				FACW species 30	x 2	60
5				FAC species 0	x 3	0
50% = 0.0% 20% = 0.0% _	0	Total Cover		FACU species 0	x 4	0
Herb Stratum Plot size: r=5'				UPL species 0	x 5	0
1. Typha angustifolia	50	Y	OBL	Column Total 160	(A)	(B)
2. Cyperus esculentus	30	Y	FACW	Pre	valence Index:	1.2 (B/A)
3						
4				Hydrophytic Vegetation I	ndicators:	
5				1 - Rapid Test fo	r Hydrophytic \	/egetation
6				X 2 - Dominance T	est is >50%	
7				X 3 - Prevalence In	dex is <3.0*	
8						(Provide supporting
9				data in remarks o	or on a separat	e sneet)
10.				5 - Problematic F	lydrophytic Ve	getation*
50% = 40.0% 20% = 16.0% _	80	Total Cover		*Indicators of hydric so	il and wetland	hvdrology must be
Woody Vine Stratum Plot size: r=30'				present, unless		
1						
2				4		
50% = 0.0% 20% = 0.0%	0	Total Cover		Hydrophytic Vego	etation Preser	nt?
Remarks: (Include photo numbers here or on a separate	sheet.)			Yes X No		

SOIL	SOIL Sampling Point: DP-6														
Profile De	Sampling Point: DP-6 Offile Description: (Describe to depth needed to document the indicator or confirm absence of indicators.)														
	Depth Matrix Redox Features														
	(inches)	Color	%	Cole		%	Type*	Loc**		Texture		Remarks			
	0-16	10YR 5/2	95	10YR		5	C	PL/M		ilty Clay		Prominent Redox Cor			
										,,					
	*T	vne: C=Concer	ntration D=Denle	tion RM	I=Redi	ıced Matı	ix MS=M	asked Sai	nd ar:	ains **I oc	ation.	PL=Pore Lining, M=Matrix			
	<u> </u>	ypo. o oonoor	Hydric So			iood ivida	DX, 1410 141	aonoa oa	ila gil	anio Loc		Indicators for Problem			
	Histosol (A1) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16)														
	Histic Epiped						ledox (S5)					Dark Surface (S7)			
	Black Histic						Matrix (S					Iron-Manganese Masses (I	F12)		
	Hydrogen Su						/lucky Min				Very Shallow Dark Surface (TF12)				
	Stratified Lay						Bleyed Ma					Other (Explain in Remarks			
					Х		d Matrix (F					Other (Explain in Nemarks)		
	2 cm Muck (A										***	Indicators of hydrophytic ve	getation and wetland		
		low Dark Surfac	3e (ATT)				ark Surfa				h;	ydrology must be presnet, ι			
	Thick Dark S						d Dark Su				1	problemation	λ.		
		y Mineral (S1)				Redox D	epression	is (F8)			L				
Do odmi odii u	5cm Mucky F														
Restrictive	e Layer (if ob	,													
							-	District of the	0 - 11 1	D	V	V N-			
0	eptn (inches):						-	Hyaric	Soli i	Present?	Yes	XNo			
Remarks:															
T tomanto.															
LIVERO	001/														
HYDROL															
Wetland H	lydrology Ind									1					
	1		ry Indicators (che I								1	Secondary Indicators	3		
	Surface Wat						Leaves (E	19)		X		ice Soil Cracks (B6)			
	High Water					ic Fauna	` '			X	Drainage Patterns (B10)				
	Saturation (A	A3)			True A	\quatic Pl	lants (B14	.)			Dry-S	Season Water Table (C2)			
	Water Marks	s (B1)			Hydro	gen Sulfi	de Odor (0	21)		X		fish Burrows (C8)			
	Sediment De	eposits (B2)		×	Oxidiz	ed Rhizo	spheres o	n Living R	Roots		Satu	ration Visible on Aerial Imag	gery (C9)		
	Drift Deposit	s (B3)			(C3)						Stunt	ed or Stressed Plants (D1)			
	Algal Mat or	Crust (B4)			Prese	nce of Re	duced Iro	n (C4)		X	Geor	norphic Position (D2)			
	Iron Deposits	s (B5)			Recen	nt Iron Re	duction in	Tilled Soi	il (C6) X	FAC-	Neutral Test (D5)			
	Inundation V	isible on Aerial	Imagery (B7)						(
					Thin M	/luck Surf	ace (C7)								
	Snarsely Ver	netated Concav	e Surface (B8)		Guage	e or Well	Data (D9))							
	Oparacity vo	gotatou Oorloav	c duriace (Bo)		Other	(Explain	in Remark	(s)							
Field Obse	ervations:														
Surface W	ater Present?		Yes_		No	X	Deptl	n (inches)		_	Wetl	and Hydrology Present?			
Water Tab	le Present?		Yes_		No	X	Deptl	n (inches)		_		Yes X No			
Saturation	Present?		Yes _		No	X	Deptl	n (inches)							
Dosoribo E	Pagardad Data	/stroom guage	e, monitoring well	Lacriala	hotos	provious	incoctio	nc) if ovo	ilabla						
Describe R	Recorded Data	i (Siream guage	s, monitoring wen	i, aeriai p	motos,	previous	Inspectio	iis), ii ava	liable	.					
Remarks:															

Site:	Clinton Subst	ation Expansi	on Project			City/County:	Wilmington/Un	ion	Sam	pling Date:	10/14/2020
Applicant/O)wner:	Dayton Powe	r and Light					State: O	H_Sam	pling Point:	DP-7
Investigator	r(s):	SM					Section, Towns	hip, Range: No PLSS			
Landform: ((hillslope, terra	ace, etc.):	depression			Loca	al relief (concav	e, convex, none): Con	cave		
Slope (%):	0			Lat. <u>3</u>	9.39	77231	Long	g. <u>-83.85391948</u>		Datum:	NAD 83
Soil Map U	nit Name:	Fincastle silt l	oam, southern ohi	o till plair	, 0 to	2 percent slopes		NW	Classific	ation: N/A	
Are climation	c/hydrologic co	onditions on th	ne site typical for ti	me of yea	ar?		Yes	XNo	(If no	, explain in	the Remarks)
Are	Vegetation	N	_ Soil _	N	or H	lydrology N	_significantly o	listurbed?			
Are	Vegetation	N	_ Soil _	N	or H	lydrology N	_naturally prob	elematic?			
Are Normal	Circumstance	es Present?	Yes	X		No	_(If needed, ex	xplain any answers in F	Remarks)		
SUMMAF	RY OF FINE	INGS									
	Ну	drophytic Veg	etation Present?	Yes_	X	_	-	ne Sampled Area with	nin a Wet	land?	
		Hyd	ric Soil Present?	Yes_	X	No	Yes	XNo			
		Wetland Hyd	drology Present?	Yes_	Х	No	_	f yes, optional Weland	Site ID:	wetland W-	3
Remarks:	PSS portion										
	·										T
VEGETA	TION			Absolu	ito	Dominant	Indicator	1	Sam	pling Point:	DP-7
Tree Stratu	<u>m_</u>	Plot size	: r=30'	% Cov		Species	Status	Dominance Test W	orkshee	t	
1.								Number of domina	ant specie	es that are	
2.								OBL, FAC	W, or FA	C:	3 (A)
3.								Total number of	dominant	species	
4.							_	across	all strata:		3 (B)
5.								Percent of domina			
50% =	0.0%	20% =	0.0%	0		Total Cover		OBL, FAC	W, or FA	C:	100%(A/B)
Shrub Strat	<u>um</u>	Plot size	: <u>r=15'</u>								
1.	Salix nigra			80		Y	OBL	Prevalence Index \	Norkshee	et	
2.								Total % cover of:			
3.							_	OBL species	100	x 1	100
4.								FACW species	20	x 2	40
5.								FAC species	0	x 3	0
50% =	40.0%	20% =	16.0%	80		Total Cover		FACU species	0	x 4	0
Herb Stratu	<u>ım</u>	Plot size	: <u>r=5'</u>					UPL species	0	x 5	0
1.	Carex Iurida			20		Y	OBL	Column Total	120	(A)	140 (B)
2.	Cyperus escu	ılentus		20		Y	FACW	_	Preva	lence Index:	1.2 (B/A)
3.											
4.							-	Hydrophytic Veget			
5.						-		 		lydrophytic '	Vegetation
6.								X 2 - Domin			
7.						-	-	X 3 - Preval			
8.						-				idaptations* on a separa	(Provide supporting te sheet)
9.										·	,
10.		4						5 - Proble	matic Hyd	drophytic Ve	getation*
50% =	20.0%	20% =	-	40		Total Cover					hydrology must be
Woody Vine	e Stratum_	Plot size:	r=30'					present,	unless d	isturbed or p	problematic
1.											
2.	0.00/	0001	- 0.00/			T-4-1 C	-	11	la Verret	Alam Poor	-42
50% =	0.0%	20% =		0		Total Cover		7	_	ation Prese	
Remarks: ((ıncıuae photo	numbers here	e or on a separate	sneet.)				Yes>	NO .		-

SOIL	OIL Sampling Point: DP-7												
Profile De	scription: (D	escribe to dep	oth needed to do	cument	the in	dicator o	or confirm	n absence	e of ir	ndicators.))	,	
	Depth		atrix			Redox Fe				,			
	(inches)	Color	%	Cole		%	Type*	Loc**	-	Texture	Π	Remarks	
	0-16	10YR 4/2	90	10YR		10	C	PL/M		ilt Loam		Prominent Redox Cor	ncentrations
	0.10	1011(4/2		10111	010	10		1 2/101	T	iii Louiii		T TOTILITION TOGOX COL	ioona daono
											\vdash		
	*T	vne: C=Concer	ntration D=Denle	tion RM	I=Redi	ıced Matı	iv MS=M	asked Sa	nd ar	ains **I oc	ation:	PL=Pore Lining, M=Matrix	
	<u> </u>	ypo. o oonoor	Hydric So			iood ivida	DK, 1810 181	donou ou	na gre	anno Loc		Indicators for Problem	
	Histosol (A1)	١	,			Sandy G	leved Ma	trix (S4)				Coast Prairie Redox (A16)	
	Histic Epiped					Sandy Gleyed Matrix (S4) Sandy Redox (S5)						Dark Surface (S7)	
	Black Histic					Stripped Matrix (S6)						Iron-Manganese Masses (I	F12)
	Hydrogen Su					Loamy Mucky Mineral (F1)					Very Shallow Dark Surface	•	
	Stratified Lay						Gleyed Ma				Other (Explain in Remarks)		
					Х		d Matrix (F					Other (Explain III Nemarks)
	2 cm Muck (A	<u> </u>									*** Indicators of hydrophytic vegetation and wetlar		
		low Dark Surfac	3e (ATT)			Redox Dark Surface (F6) Depleted Dark Surface (F7)				hydrology must be presnet, unless disturbed or			
	Thick Dark S										problematic.		
		y Mineral (S1)				Redox L	epression	1S (F8)					
Bootriotis:	5cm Mucky F												
Restrictive	e Layer (if ob	,											
							-	I booket e	0 - 11 -		V	V N-	
0	eptn (inches):						-	Hyaric	SOILE	resent?	Yes	XNo	
Remarks:													
Tromants.													
	001/												
HYDROI		_											
Wetland H	lydrology Ind									1			
			ry Indicators (che I								т —	Secondary Indicators	3
	Surface Wat						Leaves (B	` ′		Surface Soil Cracks (B6)			
	High Water					ic Fauna	,	·		Drainage Patterns (B10)			
	Saturation (A	(3)			True A	Aquatic P	lants (B14)			Dry-Season Water Table (C2)		
	Water Marks	(B1)			Hydro	gen Sulfi	de Odor (0	C1)			Crayfish Burrows (C8)		
	Sediment De	eposits (B2)		×	Oxidiz	ed Rhizo	spheres o	neres on Living Roots			Satu	ration Visible on Aerial Imaç	gery (C9)
	Drift Deposit	s (B3)			(C3)						Stunted or Stressed Plants (D1)		
	Algal Mat or	Crust (B4)			Prese	nce of Re	duced Iro	n (C4)		X	Geor	morphic Position (D2)	
	Iron Deposits	s (B5)			Recen	nt Iron Re	duction in	Tilled So	il (C6) X	FAC	Neutral Test (D5)	
	Inundation V	isible on Aerial	Imagery (B7)						` .				
			3 , (,		Thin M	luck Surf	ace (C7)			_			
	Snarsely Ver	netated Concav	e Surface (B8)		Guage	or Well	Data (D9))					
	opulooly vo	gotatoa oonoav	o curiudo (Bo)		Other	(Explain	in Remark	(s)					
Field Obs	ervations:												
Surface W	ater Present?		Yes_		No	X	Depth	h (inches)		_	Wetl	and Hydrology Present?	
Water Table Present? Yes No X			X	Depth	h (inches)		_		Yes X No				
Saturation	Present?		Yes _		No	X	Depth	h (inches)		_			
Describe F	Pecorded Data	/stream guage	e, monitoring well	l aerial n	hotos	previous	inepactio	ne) if ava	ilahla	·-			
Describe i	recorded Data	i (Sireaiii guage	, monitoring wen	i, aciiai p	niolos,	previous	ilispectio	iis), ii ava	illabic				
Remarks:													

APPENDIX D

HHEI Data Forms

Primary Headwater Habitat Field Evaluation Form HHEI Score (sum of metrics 1+2+3)	4
SITE NAME/LOCATION S-1 (UNT to Cowan Creek) SITE NUMBER RIVER BASIN Little Miami RIVER CODE DRAINAGE AREA (mi²) <0 LENGTH OF STREAM REACH (ft) 50 LAT 39.397224164 LONG -83.852137692 RIVER MILE DATE 10/13 SCORER SM COMMENTS Headwaters appeared farmed NOTE: Complete All Items On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for Inst STREAM CHANNEL MODIFICATIONS: NONE / NATURAL CHANNEL RECOVERED RECOVERING RECENT OR NO	ructions
BLDR SLABS [16 pts]	HHEI Metric Points Substrate Max = 40
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONL Yone box): > 30 centimeters [20 pts]	Pool Depth Max = 30
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check <i>ONL</i> Y one box): > 4.0 meters (> 13') [30 pts]	Bankfull Width Max=30
This information <u>must</u> also be completed	
RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream* RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank)	p
FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing	t)
STREAM GRADIENT ESTIMATE Flat (0.5 m/100 m) Flat to Moderate Moderate (2 m/100 m) Moderate to Severe Severe Severe (10 m/100 m)) ft)

Primary Headwater Habitat Field Evaluation Form HHEI Score (sum of metrics 1+2+3)	
SITE NAME/LOCATION S-2 (UNT to Wilson Creek) SITE NUMBER RIVER BASIN Little Miami RIVER CODE DRAINAGE AREA (mi²) 0.04 LENGTH OF STREAM REACH (ft) 100LAT 39.398533005 LONG -83.854867788 RIVER MILE DATE 10/13 SCORER SM COMMENTS NOTE: Complete All Items On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for Instruction	
STREAM CHANNEL MODIFICATIONS: NONE / NATURAL CHANNEL RECOVERED RECOVERING RECENT OR NO RE	COVERY
TYPE	HEI etric pints bstrate ax = 40
time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): > 30 centimeters [20 pts]	ol Depth ax = 30
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): Ba	ankfull
> 4.0 meters (> 13') [30 pts] > 1.0 m - 1.5 m (> 3' 3" - 4' 8") [15 pts] W	Vidth ax=30
COMMENTS AVERAGE BANKFULL WIDTH (meters) 1.6	.0
This information <u>must</u> also be completed RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream*	
RIPARIAN WIDTH L R (Per Bank) L R Wide >10m Mature Forest, Wetland Moderate 5-10m Moderate 5-10m None FLOODPLAIN QUALITY (Most Predominant per Bank) L R Conservation Tillage Mature Forest, Shrub or Old Field Urban or Industrial Residential, Park, New Field Open Pasture, Row Crop Fenced Pasture Mining or Construction	
FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing	
SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box): None	
Flat (0.5 #1100 ft) Flat to Moderate Moderate (2 #1100 ft) Moderate to Severe Severe (10 #1100 ft)	

QHEI PERFORMED? ☐ Yes ☑ No QHEI Score (If Yes, Attach Completed	QHEI form)
DOWNSTREAM DESIGNATED USE(S)	- 200
	valuated Stream 7,000 ft
Distance from t	valuated Stream
EWH Name: Distance from t	valuated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WATERSHED AREA. CLEARLY M	
USGS Quadrangle Name: Wilmington NRCS Soil Map Page:NRCS	Soil Map Stream Order:
County: Clinton Township/City: Union/Wilmingto	on
MISCELLANEOUS 40/40/0000	0.4 !
Base Flow Conditions? (Y/N): Y Date of last precipitation: 10/12/2020 Quantity:	<u>0.1 in</u>
Photo-documentation Notes:	
Elevated Turbidity?(Y/N): N Canopy (% open): 10	
Were samples collected for waterchemistry? (Y/N): N Lab Sample # or ID (attach results)	
Field Measures:Temp (°C) Dissolved Oxygen (mg/l) pH (S.U.) Con	ductivity (umhos/cm)
Is the sampling reach representative of the stream (Y/N) Y If not, explain:	
Additional comments/description of pollution impacts.	
BIOLOGICAL OBSERVATIONS	
(Record all observations below)	
Fish Observed? (Y/N) N Species observed (if known):	
Frogs or Tadpoles Observed? (Y/N) N Species observed (if known):	
Salamanders Observed? (Y/N) N Species observed (if known):	
Aquatic Macroinvertebrates Observed? (Y/N) N Species observed (if known):	
Comments Regarding Biology:	
Crayfish burrows	
DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (TH	•
Include important landmarks and other features of interest for site evaluation and a narrative des	cription of the stream's location
Substation	
(ram) / m. II.	
() Plane	Y Suple La
FLOW	100 cale
(CONTROL)	
Culver tend PEM	
Could Dem	1
Honevery	~

Primary Headwater Habitat Field Evaluation Form HHEI Score (sum of metrics 1+2+3)	5
SITE NAME/LOCATION S-3	
SITE NUMBER RIVER BASIN Little Miami RIVER CODE DRAINAGE AREA (mi²) <0.0	01
LENGTH OF STREAM REACH (#) 30 LAT 39.398553282 LONG -83.854860194 RIVER MILE	01
10/14 CM	7.
DATE 10/14 SCORER SIVI COMMENTS	
NOTE: Complete All Items On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for Instr	uctions
STREAM CHANNEL MODIFICATIONS: NONE / NATURAL CHANNEL RECOVERED RECOVERING RECENT OR NO	RECOVERY
SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes.	HHEI
(max of 52). Add total flumber of significant substrate types found (max of 6). Final flietic score is suit of boxes A & B	Metric
	Points
BOULDER (>256 mm) [16 pts] LEAF PACK/WOODY DEBRIS [3 pts] 35	
BEDROCK [16 pts] [2] FINE DETRITOS [3 pts]	Substrate Max = 40
COBBLE (65-256 mm) [12 pts] CLAY or HARDPAN [0 pt]	4.0
GRAVEL (2-64 mm) [9 pts] 5 MUCK [0 pts]	10
	. 0
Total of Percentages of Bidr Slabs, Boulder, Cobble, Bedrock 0 (A)	A + B
SCORE OF TWO MOST PREDOMINATE SUBSTRATE TYPES: 0 TOTAL NUMBER OF SUBSTRATE TYPES: 4	
Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the	ool Dooth
	ool Depth Max = 30
> 30 centimeters [20 pts] 5 cm - 10 cm [15 pts]	
> 22.5 - 30 cm [30 pts]	\cup
COMMENTS MAXIMUM POOL DEPTH (centimeters):	
 BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): 	Bankfull
> 4.0 meters (> 13') [30 pts] > 1.0 m - 1.5 m (> 3' 3" - 4' 8") [15 pts]	Width Max=30
> 3.0 m - 4.0 m (> 9' 7"-13") [25 pts] > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts]	Max-30
	5 C
COMMENTS AVERAGE BANKFULL WIDTH (meters) 0.2	
This information must also be completed	
RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream*	
RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank)	
LR (Per Bank) LR LR	
☐ Wide >10m ✓ Mature Forest, Wetland ☐ Conservation Tillage	
☐ Moderate 5-10m ✓ Immature Forest, Shrub or Old Field ✓ ☐ Urban or Industrial	
✓ ✓ Narrow <5m	
COMMENTS	
FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing Moist Channel, isolated pools, no flow (intermittent)	
Stream Flowing Moist Channel, isolated pools, no flow (intermittent) Subsurface flow with isolated pools (interstitial) Dry channel, no water (ephemeral)	
COMMENTS	
SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box):	
□ None □ 1.0 □ 2.0 □ 3.0	
☑ 0.5 ☐ 1.5 ☐ 2.5 ☐ >3	
STREAM GRADIENT ESTIMATE	
Flat (0.5 fivino ft) Flat to Moderate Moderate (2 fivino ft) Moderate to Severe Severe Severe (10 fivino ft)	R)

QHEI PERFORMED? ☐ Yes ☑ No QHEI Score (If Yes, At	tach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S) WWH Name: Wilson Creek	Distance from Evaluated Stream 7,000 ft
CWH Name:	
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WATERSHED A	
USGS Quadrangle Name: Wilmington NRCS Soil Map Page:	
County: Clinton Township/City: Union	//vviimington
MISCELLANEOUS	
Base Flow Conditions? (Y/N): Y Date of last precipitation: 10/12/2020	Quantity: 0.1 in
Photo-documentation Notes:	
Elevated Turbidity?(Y/N): N Canopy (% open): 10	
Were samples collected for waterchemistry? (Y/N): N Lab Sample # or ID	(attach results):
Field Measures:Temp (°C) Dissolved Oxygen (mg/l) pH (S.U.)	Conductivity (umhos/cm)
Is the sampling reach representative of the stream (Y/N) Y If not, explain:	
Additional comments/description of pollution impacts:	
5-	
BIOLOGICAL OBSERVATIONS	
(Record all observations below)	
Fish Observed? (Y/N) N Species observed (if known):	
Frogs or Tadpoles Observed? (Y/N) N Species observed (if known):	
Salamanders Observed? (Y/N) N Species observed (if known):	
Aquatic MacroInvertebrates Observed? (Y/N) N Species observed (if known)	
Comments Regarding Biology:	
DRAWING AND NARRATIVE DESCRIPTION OF STREAM Include important landmarks and other features of interest for site evaluation at the stream of th	(1) 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1

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Primary Headwater Habitat Field Evaluation Form HHEI Score (sum of metrics 1+2+3)]
SITE NAME/LOCATION S-4 SITE NUMBER RIVER BASIN Little Miami RIVER CODE DRAINAGE AREA (mi²) 0.01 LENGTH OF STREAM REACH (ft) 100 LAT 39.397866924 LONG -83.855844888 RIVER MILE DATE 10/13 SCORER SM COMMENTS CUIVERTED, Captured NOTE: Complete All Items On This Form - Refer to "Field Evaluation Manual for Ohio's PHWH Streams" for Instruction STREAM CHANNEL MODIFICATIONS: NONE/NATURAL CHANNEL RECOVERED RECOVERING RECENT OR NO RECOVERED.	
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B TYPE	tric nts strate = 40
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): > 30 centimeters [20 pts]	Depth = 30
3. BANK FULL WIDTH (Measuredas the average of 3 - 4 measurements) (Check ONLY one box): > 4.0 meters (> 13') [30 pts]	ith
This information must also be completed	
RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream* RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank)	
FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing	
☐ Flat (0.5 № 100 ₦) ☐ Flat to Moderate ☐ Moderate (2 № 100 ₦) ☐ Moderate to Severe ☐ Severe (10 № 100 ₦)	_

QHEI PERFORMED? ☐ Yes ☑ No QHEI Score	(If Yes, Attach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S)	7,000 ft
₩WH Name: Wilson Creek □ CWH Name:	Distance from Evaluated Stream 7,000 ft
EWH Name:	
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIR	REWATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name: Wilmington NRCS	Soil Map Page: NRCS Soil Map Stream Order:
County: Clinton Townshi	
MISCELLANEOUS	
Base Flow Conditions? (Y/N): Y Date of last precipitation: 10	0/12/2020 Quantity: 0.1 in
Photo-documentation Notes:	
Elevated Turbidity?(Y/N): N Canopy (% open): 10	_
Were samples collected for water chemistry? (Y/N): N Lab	Sample # or ID (attach results):
Field Measures:Temp (°C) Dissolved Oxygen (mg/l)	pH (S.U.) Conductivity (umhos/cm)
Is the sampling reach representative of the stream (Y/N) \underline{Y} If not,	, explain:
Additional comments/description of pollution impacts.	
<u> </u>	
BIOLOGICAL OBSER	14 () 14
(Record all observation Fish Observed? (Y/N) N Species observed (if known):	
Frogs or Tadpoles Observed? (Y/N) N Species observed (if kno	wn):
Salamanders Observed? (Y/N) N Species observed (if known):	
Aquatic Macroinvertebrates Observed? (Y/N) N Species observed	ed (if known):
Comments Regarding Biology:	
DRAWING AND NARRATIVE DESCRIPTION	OF STREAM REACH (This must be completed)
Include important landmarks and other features of interest for	site evaluation and a narrative description of the stream's location
	0 1 1 1 DE ha
Illo els	
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FLOW -	
Honey suckl	
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This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

9/10/2021 10:23:46 AM

in

Case No(s). 21-0679-EL-BLN

Summary: Notice of Construction of Clinton 345kV Expansion Part 3 electronically filed by Mr. Michael F Russ on behalf of The Dayton Power and Light Company