Non-Jurisdictional Feature Datasheet

Feature No.: NJD-11	Map No.: 8c	Feature ID.: NJD-11	Type: Non Jurisdictional
Date Surveyed: 06/06/2011	County: Burke	Acreage/Length: NA	

Comments: Non Jurisdictional Feature (indicated as 100% hydric on county soils map).



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WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

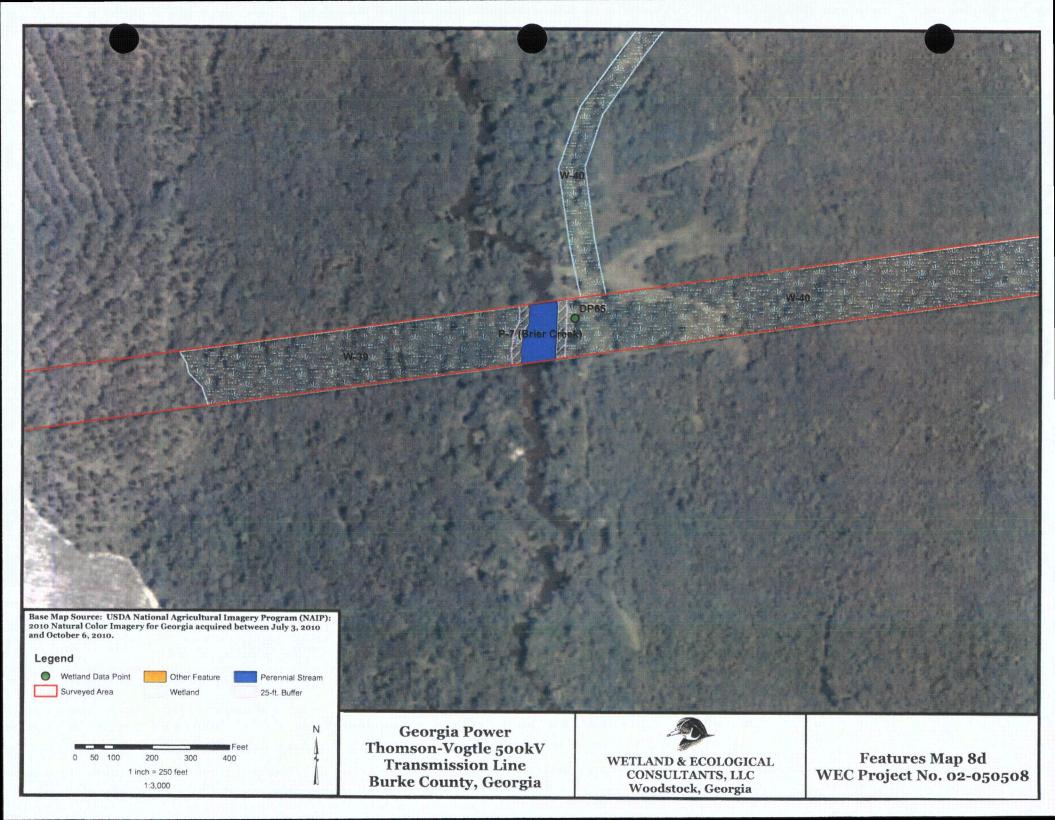
Project/Site: Thomson-Vogtle Transmission Line	e City/County: Burk	e County	Sampling Date: 6/6/2011
Project/Site: Thomson-Vogtle Transmission Line Applicant/Owner: Georgia Power Company		State: GA	Sampling Point: DP64
	Section, Township		
Landform (hillslope, terrace, etc.):	Local relief (conca	ve. convex, none):	Slope (%):
Subregion (LRR or MLRA): LRR P			
Soil Map Unit Name:			fication:
Are climatic / hydrologic conditions on the site typical for	this time of year? Yes		
Are Vegetation, Soil, or Hydrology			
Are Vegetation, Soil, or Hydrology			
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling poi	nt locations, transect	ts, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Wetland Fresent? Yes	No Is the Sam within a W		□ No ⊠
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indi	cators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)		il Cracks (B6)
Surface Water (A1)	Nater-Stained Leaves (B9)	prom)	egetated Concave Surface (B8)
	Aquatic Fauna (B13)		atterns (B10)
	Marl Deposits (B15) (LRR U)		Lines (B16)
	Hydrogen Sulfide Odor (C1)		n Water Table (C2)
	Oxidized Rhizospheres on Living Presence of Reduced Iron (C4)	prompt .	urrows (C8) Visible on Aerial Imagery (C9)
	Recent Iron Reduction in Tilled So		ic Position (D2)
	Thin Muck Surface (C7)	Shallow Ad	uitard (D3)
	Other (Explain in Remarks)	▼ FAC-Neutr	al Test (D5)
Field Observations:			
Surface Water Present? Yes No	Depth (inches):		
		Wetland Hydrology Pres	ent? Yes No 🗵
(includes capillary fringe)			ent? Yes L No L
Describe Recorded Data (stream gauge, monitoring we	ell, aerial photos, previous inspec	tions), if available:	
Remarks:			

١	VEC	SETA	TION -	Use	scientific	names	of	plants.

Tree Stratum (Plot size:		Dominant Indicator Species? Status FAC	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
2.			
3.			Total Number of Dominant Species Across All Strata: 5 (B)
i.			
5.			Percent of Dominant Species That Are OBL, FACW, or FAC: 80% (AV)
5			mat Ale OBE, FACW, OFFAC.
7.			Prevalence Index worksheet:
	20	= Total Cover	Total % Cover of: Multiply by:
Sapling Stratum (Plot size:		= =	OBL species x 1 =
Liqudambar styraciflua	20	FAC	FACW species x 2 =
Quercus phellos	10	FACW	FAC species x 3 =
Rhus copallinum	30	VPL	FACU species x 4 =
1			UPL species x 5 =
5			Column Totals: (A) (E
)			Dravelanes Index = D/A =
			Prevalence Index = B/A =
		= Total Cover	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:			Dominance Test is >50%
l		<u> </u>	Prevalence Index is ≤3.0¹
2		<u> </u>	Problematic Hydrophytic Vegetation¹ (Explain)
3			
l			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
5			be present, unless disturbed or problematic.
5			Definitions of Vegetation Strata:
7			Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:)	Total Cover	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH)
2.		T T	Sapling – Woody plants, excluding woody vines,
		THE THE	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
3.		一一一	
			Shrub – Woody plants, excluding woody vines,
S			approximately 3 to 20 ft (1 to 6 m) in height.
)			Herb - All herbaceous (non-woody) plants, including
·			herbaceous vines, regardless of size. Includes wood plants, except woody vines, less than approximately
3.		H	3 ft (1 m) in height.
).			Mondaying Allymody
0			Woody vine – All woody vines, regardless of height.
11			
2			1. SE SEE SE SE SE
Moody Vino Stratum (Plot size:		Total Cover	
Noody Vine Stratum (Plot size: Vitis rotundifolia)	× FAC	
Smilax rotundifolia	15	▼ FAC	
·			
			Hydrophytic
j	25		Vegetation
	25	Total Cover	Present? Yes X No X
Remarks: (If observed, list morphological a Rhus copallinum is listed as NI in r onsidered to have an UPL indicato			3 (an adjacent region). Therefore it will be ninance test.

SOIL

Depth _	Matrix		Redo	x Features	3		m the a					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		xture		Rema	rks	
) - 14	10YR5/2	100					S. L	oam	Sandy L	oam		
							-					
T	tration D-Dani	ation DM-D	adused Matrix C	C-Causes	Las Casta	4 0004 0	 \!	21 -		Dana Lini	14-14-	
Type: C=Cor	ncentration, D=Depl	etion, RIVI=Re	educed Matrix, C	S=Covered	or Coate	a Sana G			cation: PL=			
			П								aric Soils	
Histosol (/			Polyvalue B				U)		/luck (A9) (I			
	pedon (A2)		Thin Dark S				E		Muck (A10)			
Black Hist	tic (A3)		Loamy Muck			(0)	T	Reduc	ed Vertic (F	18) (outs	ide MLR	4 150A,
	Sulfide (A4)		Loamy Gley	ed Matrix (F2)		Ē	Piedm	ont Floodpl	ain Soils (F19) (LR	R P, S,
Stratified I	Layers (A5)		Depleted Ma	atrix (F3)			- ;=	Anoma	alous Bright	Loamy S	oils (F20)	
Organic B	odies (A6) (LRR P,	T, U)	Redox Dark	Surface (F	6)			MLI	RA 153B)			
5 cm Muc	ky Mineral (A7) (LR	R P, T, U)	Depleted Da	rk Surface	(F7)		Г	Red P	arent Mater	ial (TF2)		
	sence (A8) (LRR U)		Redox Depr						hallow Darl		(TF12) (L	RR T, L
	k (A9) (LRR P, T)		Marl (F10) (I	LRR U)					Explain in I			
processing	Below Dark Surface	(A11)	Depleted Oc		MLRA 1	51)				-/		
	k Surface (A12)	` ′	Iron-Mangar				. T)	3Indio	ators of hyd	drophytic v	vegetation	and
	irie Redox (A16) (M	LRA 150A)	Umbric Surf	ace (F13) (LRR P. T	. U)	, ,		land hydrol			
	icky Mineral (S1) (L		Delta Ochric			, -,			ess disturbe			,,,
	eyed Matrix (S4)	, -,	Reduced Ve			0A 150B	0	G. II.	Joo Giotarbe	ou or prob	iomatio.	
Sandy Re			Piedmont FI									
Stripped N			Anomalous					A 153C	153D)			
	ace (S7) (LRR P, S,	T 10	Anomalous	bright Luar	ily Solis (i	20) (IVIL	NA 143	A, 1550	, 1550)			
		., .,					1					
Restrictive I a	iver ut observedi:											
Restrictive La	iyer (ii observed):											
Type:			- !								П	F-
			-				Нус	dric Soil	Present?	Yes	□ No	×
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No	×
Type: Depth (inch			_				Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch			_				Нус	dric Soil	Present?	Yes	□ No	, <u>×</u>
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No	, <u>×</u>
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No	
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No	<u>×</u>
Type: Depth (inch							Нус	dric Soil	Present?	Yes	□ No	· <u> </u>
Type:							Нус	dric Soil	Present?	Yes	□ No	<u> </u>
Type: Depth (inch Remarks:	nes):	t present					Нус	dric Soil	Present?	Yes	□ No	<u> </u>
Type: Depth (inch Remarke:		t present.					Нус	dric Soil	Present?	Yes	□ No	<u> </u>
Type: Depth (inch Remarke:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No) <u>N</u>
Type: Depth (inch Remarks:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No	<u> </u>
Type: Depth (inch Remarks:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch Remarks:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch Remarke:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch Remarks:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch Remarke:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No) <u>×</u>
Type: Depth (inch Remarks:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No	<u>×</u>
Type: Depth (inch Remarke:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No) <u>X</u>
Type: Depth (inch Remarks:	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No	<u> </u>
Type: Depth (inch	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No	<u> </u>
Type: Depth (inch	nes):	t present.					Нус	dric Soil	Present?	Yes	□ No	<u> </u>



Wetland Feature Datasheet

Feature No.: W-39	Map No.: 8d,8e	Feature ID.: 06wet020	Type: Scrub-Shrub			
Date Surveyed: 6/06/2011, 6/07/2011 & 3/08/2012	County: Burke	Watershed: Brier				
8-Digit HUC1: 03060108		12-Digit HUC: 030601080206				
Total Acreage: 2.97		Forested Acreage: 0.0				

Dominant Vegetation: Betula nigra, Liquidambar styraciflua, Acer rubrum, Arundinaria gigantea, Juncus effusus, Boehmeria cylindrica

Comments:



¹ HUC – U.S. Geological Survey Hydrologic Unit Code

Stream Feature Datasheet

Feature No.: P-7 (Brier Creek)	Map No.: 8d, 8e	Feature ID.: 06pero10	Type: Perennial			
Date Surveyed: 6/06/2011 & 6/07/2011	County: Burke	Watershed: Brier				
8-Digit HUC1: 03060108		12-Digit HUC: 030601080206				
Acreage: 0.29 acre		Length: 155 linear feet				
Substrate: sand/silt Width2: 30 feet		Depth3: 5 feet				

Comments: Brier Creek



¹ HUC – U.S. Geological Survey Hydrologic Unit Code ² Width is an estimate in feet from Ordinary High-water Mark (OHWM) to OHWM. ³ Depth is an estimate in feet from the OHWM to thalweg.

NCDWQ Stream Identification Data Collected Within the Corridor for the Proposed Thomson-Vogtle 500 kV Transmission Line.

<u>Date:</u> 6/7/2011 <u>Project Site:</u> Thomson-Vogtle	Feature No.:	P-7 (Brier Creek)
Evaluator: MWO County: Jefferson	Feature ID:	o6pero1O
<u>Parameter</u>	Scoring Category	Numerical Score
A. Geomorphology		
Continuity of bed and bank	Strong	3
2. Sinuosity of channel along thalweg	Moderate	2
3. In-channel structure: ex. riffle/pool sequence	Weak	1
4. Particle size of stream substrate	Weak	1
5. Active/relict floodplain	Strong	3
6. Depositional bars or benches	Moderate	2
7. Recent alluvial deposits	Moderate	2
8. Headcuts	Absent	0
9. Grade control	Moderate	1
10. Natural valley or drainage way	Strong	1.5
11. 2 nd order channel on USGS or NRCS map? (Yes =3/No=0)	Yes	3
B. Hydrology		
12. Presence of Baseflow	Strong	3
13. Iron oxidizing bacteria	Absent	0
14. Leaf litter	Absent	1.5
15. Sediment on plants or debris	Moderate	1
16. Organic debris lines or piles	Moderate	1
17. Soil-based evidence of high water table? (Yes =3/No=0)	Yes	3
C. Biology		
18. Fibrous roots in streambed	Absent	3
19. Rooted upland plants in streambed	Absent	3
20. Macrobenthos	Moderate	2
21. Aquatic mollusks	Absent	0
22. Fish	Strong	1.5
23. Crayfish	Moderate	1
24. Amphibians	Weak	0.5
25. Algae	Absent	0
26. Wetland plants in streambed (FACW=0.75; OBL=1.5; Other=0)	OBL	1.5
Total Points:		41.5
Stream Type:		Perennial

Prepared by: <u>MDH;</u> Date: <u>03/21/2012</u> Checked by: <u>MWO;</u> Date: <u>04/07/2012</u>

Wetland Feature Datasheet

Feature No.: W-40 Map No.: 8d, 8e		Type: Forested & Scrub-Shrub			
County: Burke	Watershed: Brier				
	12-Digit HUC: 030601080206				
	Forested Acreage: 4.91				
		County: Burke Watershed: Brier 12-Digit HUC: 03060108 Forested Acreage: 4.91			

Dominant Vegetation: Betula nigra, Liquidambar styraciflua, Acer rubrum, Arundinaria gigantea, Juncus effusus, Boehmeria cylindrica

Comments:



¹ HUC – U.S. Geological Survey Hydrologic Unit Code

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WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

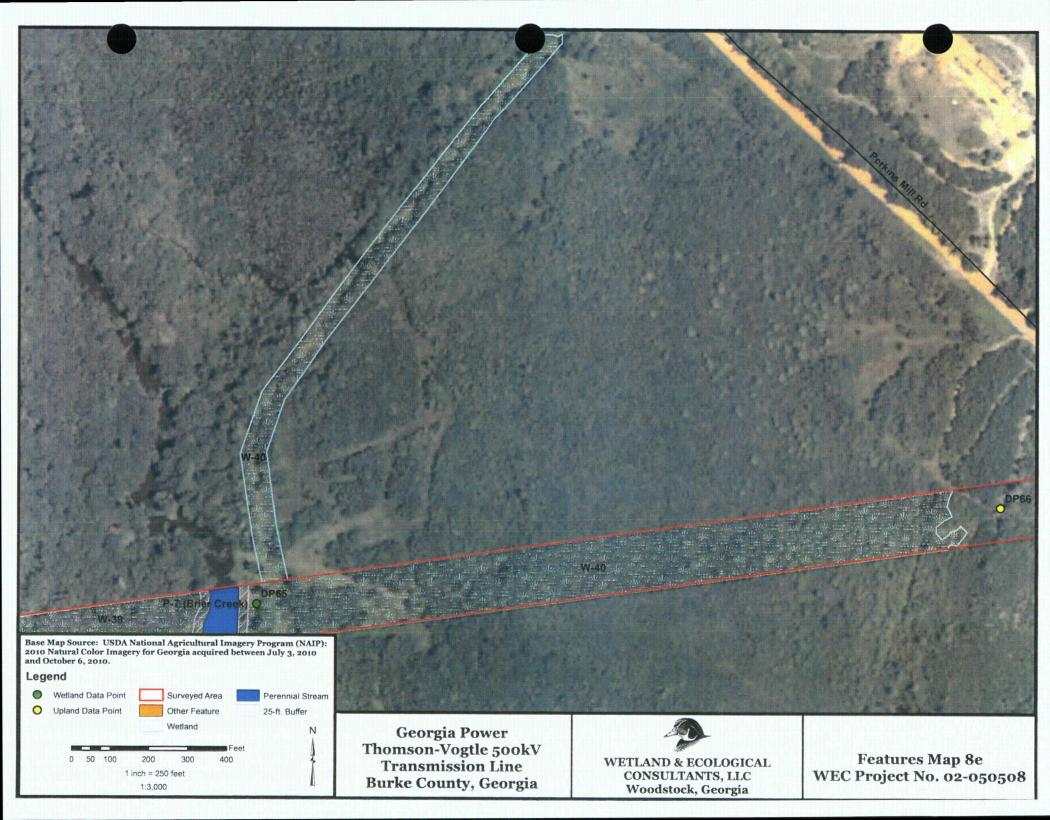
Applicant/Owner Georgia Power Company Applicant/Owner Georgia Power Company Applicant/Owner Georgia Power Company Applicant/Owner Georgia Power Company Investigators MVNO and SEC Section. Township, Range: Londorn (hillslope terrace, etc.): Subregion (LRR or MLRA) LRR P Lat: Long: NVI classification Datum: NVVI classification Are Vegetation Soil or Hydrology significantly disturbed? Are Vegetation Soil or Hydrology naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, Hydrology Present? Yes No Is the Sampled Area within a Wetland? Wetland Hydrology Indicators: Primary Indicators (minimum of two regul within a Wetland? Wetland Hydrology Indicators: Primary Indicators (minimum of two is required; check all that apply) Surface Water (A1) Martice Soil Cracks (B3) Surface Water (A1) Martice Soil Cracks (B3) Againt Fauna (B13) Martice Soil Cracks (B4) Sediment Deposits (B15) Hydrogen Suffice Coder (C1) Sediment Deposits (B3) Hydrogen Suffice Coder (C1) Sediment Deposits (B3) Hydrogen Suffice Coder (C1) Sediment Deposits (B3) Presence of Reduced Iron (C4) Dy-Season Water Table (C2) Cray Shis Burrows (C8) Cracks (B4) Record Iron Reduction in Titled Soils (C5) Dy-Season Water Table (C2) Cray Shis Burrows (C8) Depth (inches): Surface Water Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Surface Root Reduced Iron (C4) Depth (inches): Surface Water Present? Yes No Depth (inches): Surface Water Present? Yes No Depth (inches): Surface Root Reduced Iron (C4) Depth (inches):	Project/Site: Thomson-Vogtle Transmission	n Line City/Cou	_{inty} . Burke County		Sampling Date: <u>6/7/2011</u>
Investigator(s): MWO and SEC Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%): Subregion (LRR or MLRA). LRR P Lat: Long: NWI classification: Datum: NWI classification: 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, Hydrology Present? Yes No Wetland Hydrology Present? Yes No Sumply No Surface (If needed, explain any answers in Remarks.) Hydrolytic Vegetation Present? Yes No No Surface (If needed, explain any answers in Remarks.) Hydrology Indicators: Is the Sampled Area within a Wetland? Yes No Surface (If needed, explain any answers in Remarks.) Hydrology Present? Yes No Sumply No Surface (If needed, explain any answers in Remarks.) Hydrology Present? Yes No Sumply No Surface (If needed, explain any answers in Remarks.) Hydrology Present? Yes No Sumply No Surface (If needed, explain any answers in Remarks.) Secondary Indicators (Iminimum of No required) Water-Stained Leaves (IB) Surface		City/Cot		tate: GA	Sampling Point: DP65(W-40
Landform (hillslope, terrace, etc.): Subregion (LRR or MLRA): LRR P	1050				
Subregion (LRR or MLRA): LRR P	Y				
Soil Map Unit Name:	Landform (hillslope, terrace, etc.):	Local re	ellet (concave, convex, r	ione):	Slope (%):
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 Inaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Yes No. Hydrophytic Vegetation Present? Yes No. Hydrosoli Present? Yes No. Hydrosoli Present? Yes No. Hydrology Indicators (minimum of two required: check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Marl Deposits (B15) (LRR U) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Agal Mat or Crust (B4) Iron Deposits (B3) Agal Mat or Crust (B4) Iron Deposits (B3) Agal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Field Observations: Surface Water Present? Yes No. Depth (inches): Surface Water Present? Yes No. Depth (inches): Wetland Hydrology Present? Yes No. Depth (inches): Wetland Hydrology Present? Yes No. Wetland Hydrology Present? Yes No. Depth (inches): Wetland Hydrology Present? Yes No. Wetland Hydrology Present? Yes No. Depth (inches): Wetland Hydrology Present? Yes No. Wetland Hydrology Present? Yes No. Depth (inches): Wetland Hydrology Present? Yes No. Depth (inches): Wetland Hydrology Present? Yes No.	Subregion (LRR or MLRA):	Lat:	Long:		
Are Vegetation Soil or Hydrology Isignificantly disturbed? Are "Normal Circumstances" present? Yes No. Are Vegetation Soil or Hydrology Inaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Yes No. Is the Sampled Area within a Wetland Pydrology Present? Yes No.					
Are Vegetation Soil or Hydrology Inaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Attach site map showing sampling point locations, transects, important features, importa					
SUMMARY OF FINDINGS — Attach site map showing sampling point locations, transects, important features, Hydrophytic Vegetation Present? Yes	Are Vegetation, Soil, or Hydrology	significantly disturbe	ed? Are "Normal	Circumstances" p	resent? Yes No
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Remarks: 06wet02O Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Hydrogen Sulfide Odor (C1) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Field Observations: Surface Water (An) Dry Season Water Table (C2) Saturation (Pasent? Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Surface Water (Pasent? Surface Water (Pasent? Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Surface Soil Crac	Are Vegetation, Soil, or Hydrology	naturally problemati	c? (If needed, ex	plain any answer	rs in Remarks.)
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Remarks: 06wet02O Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Hydrogen Sulfide Odor (C1) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Field Observations: Surface Water (An) Dry Season Water Table (C2) Saturation (Pasent? Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Surface Water (Pasent? Surface Water (Pasent? Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Surface Soil Crac	SUMMARY OF FINDINGS - Attach sit	e map showing samp	ling point location	ns. transects	. important features, etc
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water-Stained Leaves (B9) Aquatic Fauna (B13) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Iron Deposits (B5	Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes	× No □	s the Sampled Area		
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Sparsely Vegetated Concave Surface (Ba) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Marl Deposits (B15) (LRR U) Moss Trim Lines (B16) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B3) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9 Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Shallow Aquitard (D3) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Conscribe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	06wet02O				
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Sparsely Vegetated Concave Surface (Ba) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Marl Deposits (B15) (LRR U) Moss Trim Lines (B16) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Sediment Deposits (B3) Presence of Reduced Iron (C4) Saturation Visible on Aerial Imagery (C9) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (B7) Field Observations: Surface Water Present? Yes No Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes <t< td=""><td>HADBOLOGA</td><td></td><td></td><td></td><td></td></t<>	HADBOLOGA				
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Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes No Depth (inches): Saturation Present? Yes Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Shallow Aquitard (D3) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No Depth (inches): (includes capillary fringe)		preces		particular de la constantina della constantina d	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Other (Explain in Remarks) Field Observations: Surface Water Present? Water Table Present? Saturation Present? Yes No Depth (inches): Saturation Present? Yes Depth (inches): Saturation Present? Yes Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			```		• , ,
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes Depth (inches): Saturation Present? Yes Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes Depth (inches): Saturation Present? Yes Depth (inches): Saturation Present? Yes Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Water Table Present? Yes Depth (inches):		_ Other (Explain III Nema	1 .	- I AC-Neutlai	Test (D3)
Water Table Present? Yes Depth (inches):		Depth (inches):			
Saturation Present? Yes 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:	Saturation Present? Yes No		Wetland Hy	drology Presen	t? Yes X No D
		ing well posiel abotes provi	ave inequations) if eveil	oblo	
Pemarks:	Describe Recorded Data (stream gauge, monitor)	ing well, aerial priotos, previo	ous inspections), ii avaii	able.	
	Remarks:				
	Plant and the second				

VEGETATION – Use scientific names of plants.

		ominant Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size:) 1. Betula nigra	<u>% Cover</u> <u>S</u>	Species? Status FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	8 (A)
2. Liquidambar styraciflua 3	10	FAC	Total Number of Dominant Species Across All Strata:	8 (B)
4 5			Percent of Dominant Species	100% (A/B
6.			Prevalence Index worksheet:	(770
7	15		Total % Cover of:	Multiply by:
Oneline Otentum (Dietoime)	15 = 1	Total Cover	OBL species x 1	
Sapling Stratum (Plot size:) Betula nigra	15	▼ FACW	FACW species x 2	
Liquidambar styraciflua	5	FAC	FAC species x 3	
Acer rubrum		FAC	FACU species x 4	
		===		
			UPL species x 5	
			Column Totals: (A)	(B)
·			Prevalence Index = B/A =	
			Hydrophytic Vegetation Indicate	
No. 1. Startum (Diet sins)	<u>30</u> = T	otal Cover	Dominance Test is >50%	
Shrub Stratum (Plot size:)			Prevalence Index is ≤3.0¹	
•				-4-411 (F)1-1-X
13		님	Problematic Hydrophytic Vege	etation (Explain)
·		<u>L</u>	¹Indicators of hydric soil and wetla	
			be present, unless disturbed or pre-	obiematic.
			Definitions of Vegetation Strata	
	= T	otal Cover	Tree – Woody plants, excluding water approximately 20 ft (6 m) or more	
Herb Stratum (Plot size:)		0.01 00101	(7.6 cm) or larger in diameter at bi	reast height (DBH).
Arundinaria gigantea	10	☐ FACW		
Juncus effusus	20	▼ FACW	Sapling – Woody plants, excludin approximately 20 ft (6 m) or more	
Boehmeria cylindrica	10	FACW	than 3 in. (7.6 cm) DBH.	in neight and less
Scirpus cyperinus	5	OBL		
Carex sp.	45	N/A	Shrub – Woody plants, excluding approximately 3 to 20 ft (1 to 6 m)	
		一	approximately 3 to 20 it (1 to 6 iii)	in neight.
•			Herb - All herbaceous (non-wood	
•		-	herbaceous vines, regardless of signats, except woody vines, less the	
-			3 ft (1 m) in height.	ian approximately
0			Woody vine – All woody vines, re	gardless of height.
1,				
2.				
	00	otal Cover		
Voody Vine Stratum (Plot size:		otal Gover		
		一一		
			Hydrophytic	
5.			Vegetation	🗖
	= T	otal Cover	Present? Yes X	No
Remarks: (If observed, list morphological adaptal pecies with "N/A" indicator status were	tions below). not included in the	dominance cal	culation.	

0	-		1
2	U	ı	L

Depth	Matrix	- 0/		ox Featur		, ,					
inches) -2	Color (moist) 10YR5/1	- <u>%</u> 80	Color (moist) 5YR4/6	20	C Type ¹	Loc ²	Texture Sand		Remar	ks	
	· 										
- 12	10YR5/1	_ 55	5YR4/6	45	<u>C</u>	PL	Sand				
							-				
vne: C=C	Concentration D=De	pletion RM	I=Reduced Matrix, C	S=Covere	ed or Coate	ed Sand G	Grains ² l	ocation: PL	=Pore Linin	ng M=Matr	rix
	Indicators:	p. c.		0 001011		Ju Guille G		s for Proble			
Histoso	J (A1)		Polyvalue B	elow Surf	ace (S8) (I	RRST		Muck (A9) (
	pipedon (A2)		Thin Dark S	urface (S	9) (LRR S.	T. U)		Muck (A10)			
ī	listic (A3)		Loamy Mucl				1	ced Vertic (F		de MLRA	150A
7	en Sulfide (A4)		Loamy Gley			,	Land I	nont Floodpl			
, ,	ed Layers (A5)		Depleted Ma		· -/			alous Brigh			, -,
	Bodies (A6) (LRR I	P, T, U)	Redox Dark		(F6)			RA 153B)		(0,	
	ucky Mineral (A7) (L						☐ Red F	Parent Mate	rial (TF2)		
	resence (A8) (LRR I		Redox Depr					Shallow Dar		TF12) (LR	RT,
1 cm M	uck (A9) (LRR P, T)		Marl (F10) (LRR U)			general control	(Explain in			
Deplete	ed Below Dark Surface	ce (A11)	Depleted Oc		(MLRA 1	51)					
Thick D	ark Surface (A12)		Iron-Mangar				, T) ³ Indi	cators of hy	drophytic v	egetation a	and
Coast F	Prairie Redox (A16) (MLRA 150	/ -	ace (F13)	(LRR P, 1	, U)	we	tland hydro	logy must b	e present,	,
Sandy I	Mucky Mineral (S1) (LRR O, S)						less disturbe	ed or proble	ematic.	
Sandy (Gleyed Matrix (S4)		Reduced Ve								
I Canalii I	Dodov (CE)		Piedmont FI	oodplain	Soils (F19)	(MLRA 1	49A)				
L Sandy F	Redox (S5)										
	d Matrix (S6)		Anomalous	Bright Loa	amy Soils (F20) (MLI	RA 149A, 1530	C, 153D)			
Stripped		S, T, U)	Anomalous	Bright Loa	amy Soils (F20) (MLI	RA 149A, 1530	C, 153D)			
Stripped Dark Su	d Matrix (S6)		Anomalous	Bright Loa	amy Soils (F20) (MLI	RA 149A, 1530	C, 153D)			
Stripped Dark Su	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI	RA 149A, 1530	C, 153D)			
Stripped Dark Sustrictive Type:	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI		C, 153D)	Yes	× No	
Stripped Dark Sustrictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No_]
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	⊠ No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No_]
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	⊠ No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	⊠ No_	<u> </u>
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	⊠ No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	⊠ No_	<u> </u>
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No_	[
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No_	[
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No_	ī
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	× No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI			Yes	No_	1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI		I Present?	Yes		1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI		I Present?			
Stripped Dark Sustrictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI		I Present?			1
Stripped Dark Suestrictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI		I Present?			
Stripped Dark Suestrictive Type:	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI		I Present?			1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI		I Present?			1
Stripped Dark Su strictive Type: Depth (in	d Matrix (S6) urface (S7) (LRR P, Layer (if observed)		Anomalous	Bright Loa	amy Soils (F20) (MLI		I Present?			



Wetland Feature Datasheet

Feature No.: W-39	Map No.: 8d,8e	Feature ID.: 06wet020	Type: Scrub-Shrub
Date Surveyed: 6/06/2011, 6/07/2011 & 3/08/2012	County: Burke	Watershed: Brier	
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	0206
Total Acreage: 2.97		Forested Acreage: 0.0	

Dominant Vegetation: Betula nigra, Liquidambar styraciflua, Acer rubrum, Arundinaria gigantea, Juncus effusus, Boehmeria cylindrica

Comments:

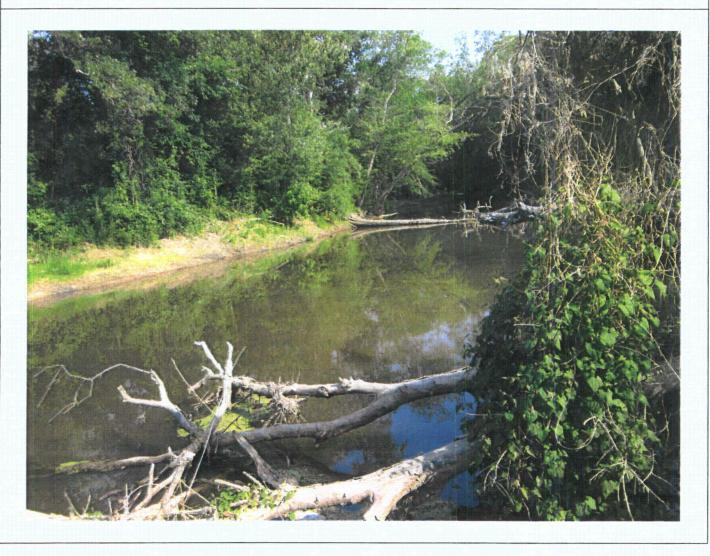


¹ HUC – U.S. Geological Survey Hydrologic Unit Code

Stream Feature Datasheet

Feature No.: P-7 (Brier Creek)	Map No.: 8d, 8e	Feature ID.: 06pero10	Type: Perennial		
Date Surveyed: 6/06/2011 & 6/07/2011	County: Burke	Watershed: Brier			
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	80206		
Acreage: 0.29 acre		Length: 155 linear feet			
Substrate: sand/silt	Width2: 30 feet	Depth3: 5 feet			

Comments: Brier Creek



HUC – U.S. Geological Survey Hydrologic Unit Code
 Width is an estimate in feet from Ordinary High-water Mark (OHWM) to OHWM.
 Depth is an estimate in feet from the OHWM to thalweg.

NCDWQ Stream Identification Data Collected Within the Corridor for the Proposed Thomson-Vogtle 500 kV Transmission Line.

<u>Date:</u> 6/7/2011 <u>Project Site:</u> Thomson-Vogtle	<u>Feature No.:</u>	P-7 (Brier Creek)
Evaluator: MWO County: Jefferson	<u>Feature ID:</u> 0	o6pero1O
Parameter	Scoring Category	Numerical Score
A. Geomorphology		
Continuity of bed and bank	Strong	3
2. Sinuosity of channel along thalweg	Moderate	2
3. In-channel structure: ex. riffle/pool sequence	Weak	1
4. Particle size of stream substrate	Weak	1
5. Active/relict floodplain	Strong	3
6. Depositional bars or benches	Moderate	2
7. Recent alluvial deposits	Moderate	2
8. Headcuts	Absent	0
9. Grade control	Moderate	1
10. Natural valley or drainage way	Strong	1.5
11. 2 nd order channel on USGS or NRCS map? (Yes =3/No=0)	Yes	3
B. Hydrology		
12. Presence of Baseflow	Strong	3
13. Iron oxidizing bacteria	Absent	0
14. Leaf litter	Absent	1.5
15. Sediment on plants or debris	Moderate	1
16. Organic debris lines or piles	Moderate	1
17. Soil-based evidence of high water table? (Yes =3/No=0)	Yes	3
C. Biology		
18. Fibrous roots in streambed	Absent	3
19. Rooted upland plants in streambed	Absent	3
20. Macrobenthos	Moderate	2
21. Aquatic mollusks	Absent	О
22. Fish	Strong	1.5
23. Crayfish	Moderate	1
24. Amphibians	Weak	0.5
25. Algae	Absent	0
26. Wetland plants in streambed (FACW=0.75; OBL=1.5; Other=0)	OBL	1.5
Total Points:		41.5
Stream Type:		Perennial

Prepared by: \underline{MDH} ; Date: $\underline{03/21/2012}$ Checked by: \underline{MWO} ; Date: $\underline{04/07/2012}$

Wetland Feature Datasheet

Feature No.: W-40	Map No.: 8d, 8e	Feature ID.: 06wet020	Type: Forested & Scrub-Shrub			
Date Surveyed: 6/07/2011, 6/7/2011 & 3/08/2012	County: Burke	Watershed: Brier				
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	0206			
Total Acreage: 8.66		Forested Acreage: 4.91				

Dominant Vegetation: Betula nigra, Liquidambar styraciflua, Acer rubrum, Arundinaria gigantea, Juncus effusus, Boehmeria cylindrica

Comments:



 $^{^{\}mbox{\tiny 1}}$ HUC - U.S. Geological Survey Hydrologic Unit Code

Print Form

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle Transmission Line	City/County: Burke County		Sampling Date: 6/7/2011
Applicant/Owner: Georgia Power Company		State: GA	Sampling Point: DP65(W-40)
Investigator(s): MWO and SEC			
Landform (hillslope, terrace, etc.):	Local relief (concave, convex,	none):	Slope (%):
Subregion (LRR or MLRA): LRR P Lat:			
Soil Map Unit Name:		NWI classif	fication:
Soil Map Unit Name: Are climatic / hydrologic conditions on the site typical for this time of y Are Vegetation, Soil, or Hydrology significantly Are Vegetation, Soil, or Hydrology naturally proceed to the site map showing the site site site site site site site sit	disturbed? Are "Normal oblematic? (If needed, e	Circumstances'	present? Yes No Vers in Remarks.)
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Is the Sampled Area within a Wetland?	Yes	× No
06wet02O HYDROLOGY			
Wetland Hydrology Indicators:		I	cators (minimum of two required)
Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Hydrogen Sulf Oxidized Rhizi Presence of R Recent Iron Ri Thin Muck Sur	Leaves (B9) (B13) (B15) (LRR U) ide Odor (C1) ospheres on Living Roots (C3) educed Iron (C4) eduction in Tilled Soils (C6) face (C7)	Sparsely Volume Drainage P Moss Trim Dry-Season Crayfish Bu Saturation	Visible on Aerial Imagery (C9) c Position (D2) uitard (D3)
Field Observations: Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Yes No Depth (inches Dept	(i): Wetland H		ent? Yes 🗵 No 🔲
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), ii avai	ilaule.	

VEGETATION - Use scientific names of plants.

		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size:) Betula nigra	% Cover	Species?	FACW	Number of Dominant Species That Are OBL FACW or FAC: 8
2 Liquidambar styraciflua	10	Benevi	FAC	That Are OBL, FACW, or FAC: 8 (A)
			170	Total Number of Dominant
3				Species Across All Strata: 8 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100% (A/B)
6				Description of Landau and table 4
7		\Box		Prevalence Index worksheet:
	15	= Total Cov	ver	Total % Cover of: Multiply by:
Sapling Stratum (Plot size:)	15	(77)	EAC\\\	OBL species x 1 =
1 Betula nigra	5		FACW	FACW species x 2 =
2 Liquidambar styraciflua			FAC	FAC species x 3 =
3. Acer rubrum	10	X	FAC	FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6.				
7				Prevalence Index = B/A =
	30	= Total Cov	er	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)				Dominance Test is >50%
1				Prevalence Index is ≤3.0 ¹
2				Problematic Hydrophytic Vegetation ¹ (Explain)
3.		(
4.				¹ Indicators of hydric soil and wetland hydrology must
5.				be present, unless disturbed or problematic.
6.				Definitions of Vegetation Strata:
		[77]		
7.		- Total Cau		Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:)		= Total Cov	eı	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
1 Arundinaria gigantea	10		FACW	
Juncus effusus	20	×	FACW	Sapling – Woody plants, excluding woody vines,
Boehmeria cylindrica	10		FACW	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
Scirpus cyperinus	5	一百	OBL	
5 Carex sp.	45	一百	N/A	Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
		一百		approximately 5 to 20 it (1 to 6 iii) ii meight.
6		౼片		Herb - All herbaceous (non-woody) plants, including
7				herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately
8				3 ft (1 m) in height.
9,				
10				Woody vine – All woody vines, regardless of height.
11				
12.				
	90	= Total Cov	er	
Woody Vine Stratum (Plot size:)				
1				
2,				
3.				
4.				
5				Hydrophytic
0.		= Total Cov		Vegetation Present? Yes X No C
		- TOTAL COV	CI	163 100
Remarks: (If observed, list morphological adaptations be	elow).	bo do	once ==!	oulation
Species with "N/A" indicator status were not in	iciuaea in t	ne domin	iance cal	culation,

				DI	DEF	:
mol	ina	Po	int-	וט	-0.	,

epth	Matrix		Pad	ox Featur		2. 231,1111	m the absence of in	- /		
nches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	Texture	Rem	arks	
-2	10YR5/1	80	5YR4/6	20	С	PL	Sand			
- 12	10YR5/1	55	5YR4/6	45	C	PL	Sand			
12			011(4)0			, L				
						-				
vpe: C=C	concentration, D=De	pletion, Rf	M=Reduced Matrix, C	S=Covere	ed or Coat	ed Sand G	Grains. ² Location	: PL=Pore Lin	ning M=Matrix	
	Indicators:	,	-				Indicators for P			
Histoso	I (A1)		Polyvalue B	elow Surf	ace (S8) (I	LRR S, T,	U) 1 cm Muck (A9) (LRR O)		
	pipedon (A2)		Thin Dark S					A10) (LRR S)		
Black H	istic (A3)		Loamy Muc	ky Minera	(F1) (LRI	R O)	Reduced Ve	rtic (F18) (out	side MLRA 1	50A,
Hydroge	en Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		Piedmont FI	oodplain Soils	(F19) (LRR P	, S, T
Stratifie	d Layers (A5)		Depleted M	atrix (F3)			Anomalous	Bright Loamy S	Soils (F20)	
Organic	Bodies (A6) (LRR	P, T, U)	Redox Dark				(MLRA 15	3B)		
	ucky Mineral (A7) (L							Material (TF2)		
	resence (A8) (LRR		Redox Depr		-8)			v Dark Surface		T, L
	uck (A9) (LRR P, T)		Marl (F10) (Other (Expla	in in Remarks)	
	d Below Dark Surfa	ce (A11)	Depleted O				2			
	ark Surface (A12)		Iron-Manga					of hydrophytic		nd
	rairie Redox (A16)							nydrology must		
	Mucky Mineral (S1)	(LRR O, S						sturbed or prof	olematic.	
	Gleyed Matrix (S4)		Reduced Ve							
	Redox (S5)		Piedmont F					ι,		
	Matrix (S6) Irface (S7) (LRR P,	C T (I)	Anomalous	Bright Loa	amy Solls	(F20) (ML	RA 149A, 153C, 153	(ر		
	Layer (if observed						1			
Туре:							Hydric Soil Pres	ent? Yes	× No_	
Type: Depth (in	ches):									Minute State of State
	ches):									
Depth (in	ches):					***************************************				
Depth (in	ches):									
Depth (in	ches):									
Depth (in	ches):									
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Depth (in	ches):									
Depth (in	ches):									
Depth (in	ches):									

Print Form

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

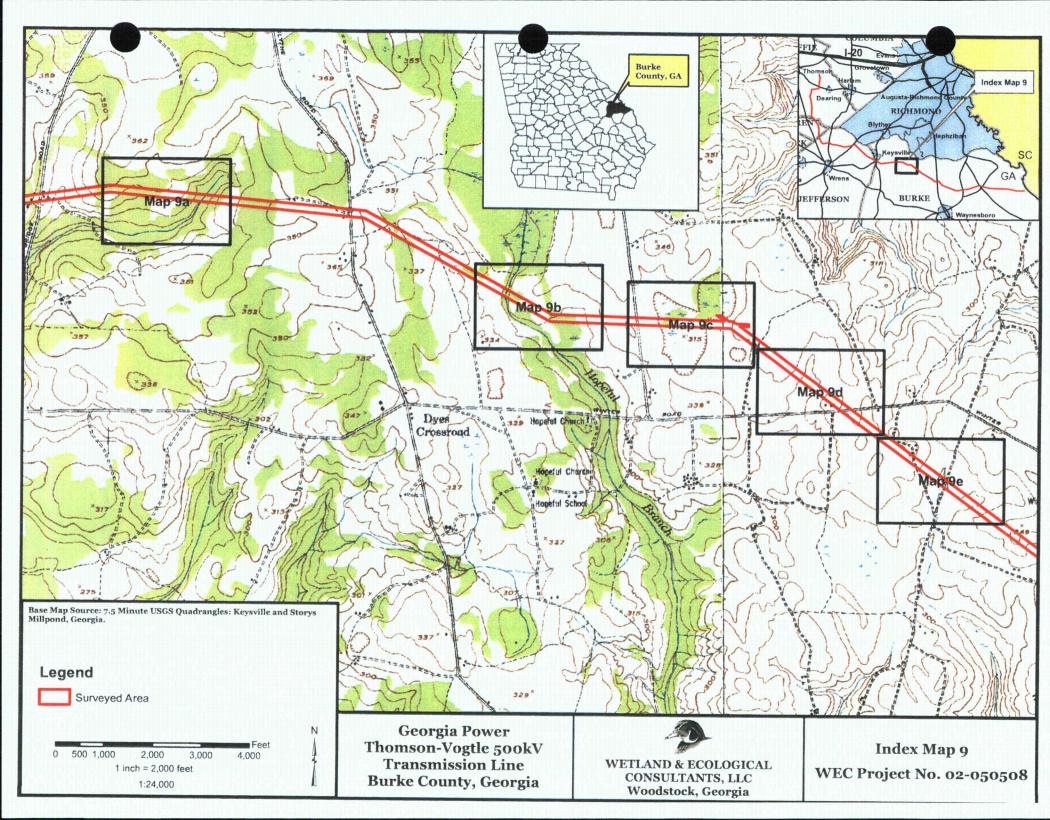
Project/Site: Thomson-Vogtle Transmission	n Line City/	County Burke County	/	Sampling Date: 6/7/2011
Project/Site: Thomson-Vogtle Transmission Applicant/Owner: Georgia Power Company		ooding.	State: GA	Sampling Point: DP66(W-40)
Investigator(s): MWO and SEC	Sect	ion Township Range:	Oldic.	_ Gamping Form.
Landform (hillslope, terrace, etc.):	Loca	I relief (concave, convex	none):	Slope (%):
Subregion (LRR or MLRA): LRR P				
Soil Map Unit Name:				ication:
Are climatic / hydrologic conditions on the site typic				
Are Vegetation, Soil, or Hydrology				
Are Vegetation, Soil, or Hydrology	naturally problem	natic? (If needed,	explain any answ	ers in Remarks.)
SUMMARY OF FINDINGS – Attach sit	e map showing sar	mpling point location	ons, transect	s, important features, etc.
, , , ,	No X	Is the Sampled Area within a Wetland?	Yes	□ No 区
Remarks: Upland from 01wet020				
HYDROLOGY			0	
Wetland Hydrology Indicators:	bhack all that anniv			cators (minimum of two required)
Primary Indicators (minimum of one is required; o		on (BO)	lumid.	il Cracks (B6)
Surface Water (A1) High Water Table (A2)	Water-Stained Leave Aquatic Fauna (B13	. ,		egetated Concave Surface (B8) atterns (B10)
Saturation (A3)	Marl Deposits (B15)			Lines (B16)
Water Marks (B1)	Hydrogen Sulfide Od			Water Table (C2)
Sediment Deposits (B2)		res on Living Roots (C3)		
Drift Deposits (B3)	Presence of Reduce	ed Iron (C4)	Saturation \	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		on in Tilled Soils (C6)		c Position (D2)
Iron Deposits (B5)	Thin Muck Surface (Shallow Aq	` '
Inundation Visible on Aerial Imagery (B7)	U Other (Explain in Re	marks)	FAC-Neutra	al Test (D5)
Field Observations: Surface Water Present? Yes No	Depth (inches):			
Water Table Present? Yes No	CO.			
	Depth (inches):		Hydrology Press	ent? Yes No X
(includes capillary fringe)	Deptif (inches).		nyarology Frese	mitr res No
Describe Recorded Data (stream gauge, monitor	ing well, aerial photos, pr	evious inspections), if av	ailable:	
Remarks:				
Hydrologic indicators not present.				

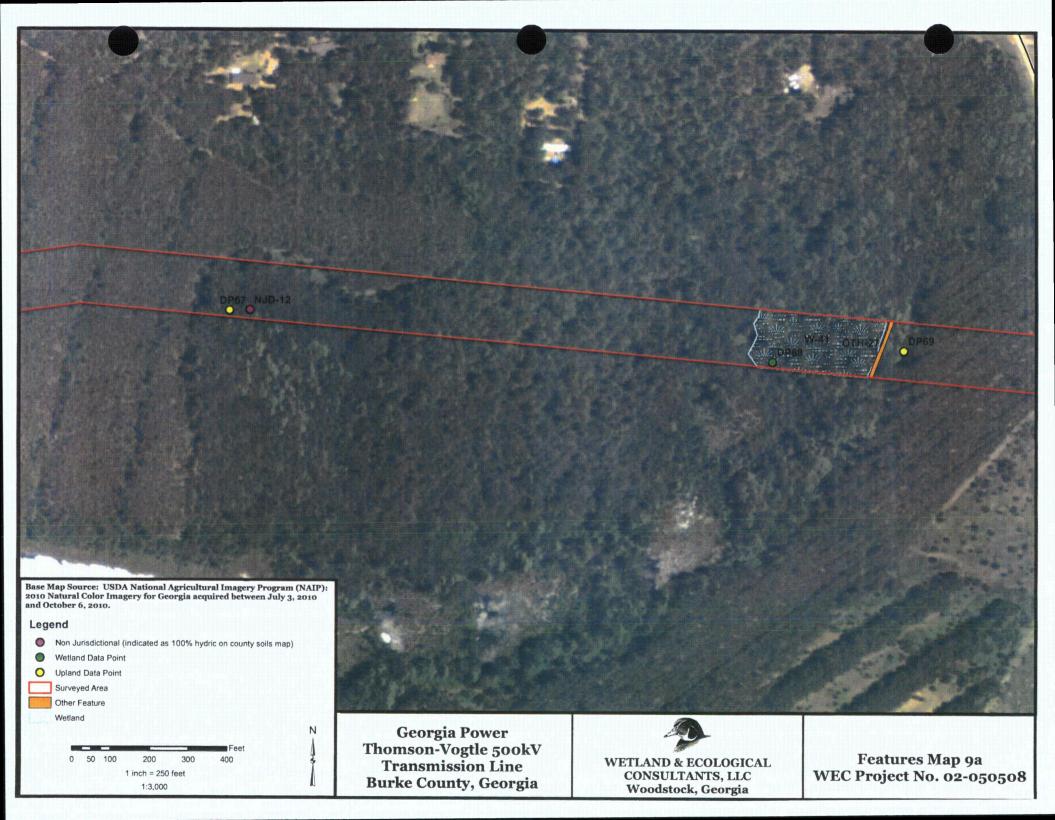
١	/FGFTA	TION -	LISE	scientific	names	of	nlants
	LOLIF	VIIOI4 -	USC	SCICITUIC	Harries	O.	piarits.

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Co	FAC FAC FAC FAC FAC FAC	Percent of Dominant Species 43%	(B
7	Total Co	FAC	Species Across All Strata: 7 Percent of Dominant Species That Are OBL, FACW, or FAC: 43% Prevalence Index worksheet:	(A/E
7 :	Total Co	over N/A FAC FAC	Species Across All Strata: 7 Percent of Dominant Species That Are OBL, FACW, or FAC: 43% Prevalence Index worksheet:	(A/E
77	Total C	N/A FAC FAC FAC	That Are OBL, FACW, or FAC: 43% Prevalence Index worksheet:	r: (B
7 : 0	Total C	N/A FAC FAC FAC	That Are OBL, FACW, or FAC: 43% Prevalence Index worksheet:	r: (B
7	E Total Co	N/A FAC FAC FAC	Total % Cover of: Multiply by OBL species	(E
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E Total Co	N/A FAC FAC FAC	Total % Cover of: Multiply by OBL species	(E
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E Total Co	N/A FAC FAC FAC	OBL species x 1 =	(E
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E Total Co	FAC FAC	FACW species x 2 =	(E
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	E Total Co	FAC FAC	FAC species	cplain)
, =	E Total Co	FAC	U FACU species x 4 = UPL species x 5 = Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Example) ¹Indicators of hydric soil and wetland hydrolo	(E
	E Total Co	FAC	U UPL species x 5 =	(E
	Total Co		Column Totals:	rplain)
	Total Co	over	Prevalence Index = B/A =	xplain)
= 		over	Hydrophytic Vegetation Indicators: □ Dominance Test is >50% □ Prevalence Index is ≤3.0¹ □ Problematic Hydrophytic Vegetation¹ (Ex	rplain)
= 		over	Hydrophytic Vegetation Indicators: □ Dominance Test is >50% □ Prevalence Index is ≤3.0¹ □ Problematic Hydrophytic Vegetation¹ (Ex	rplain)
		over	Dominance Test is >50% Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Extended) ¹Indicators of hydric soil and wetland hydrolo	
			Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Expending to the control of the	
			Problematic Hydrophytic Vegetation¹ (Ex	
			Indicators of hydric soil and wetland hydrolo	
				gy must
		1		gy must
		7		
			be present, amess distarbed or problematic.	
	Г	1	Definitions of Vegetation Strata:	
	Ē	i —	Definitions of Vegetation Strata.	
	T			
	otal Co	over		
5	Б	7 FAC	U	i (DBH).
		 -	Sapling – woody plants, excluding woody vi	
		i		nd less
	Г	=	— thair 3 m. (7.3 cm) bbri.	
		╡		es,
			approximately 3 to 20 ft (1 to 6 m) in height.	
		<u> </u>	Herb – All herbaceous (non-woody) plants, ir	ncluding
		<u> </u>	herbaceous vines, regardless of size. Includ-	es wood
		<u> </u>		imately
]	— 3 it (1 iii) iii neight.	
]	Woody vine – All woody vines, regardless of	height.
]		
]		
=	Total Co	ver		
5	>	FAC		
]		
	Г]		
	Ī	1		
	Ť	1	Hydrophytic	
	Total Ca	=	Wegetation	7
=	Total Co	ver	riesentr res NO E	2
luded i	in the c	alculati	ons for dominance.	
1 50%	hydropl	hytic ve	getation).	
	= = = = = = = = = = = = = = = = = = =	= Total Co	= Total Cover Total Cover FAC FAC	Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines approximately 20 ft (6 m) or more in height at (7.6 cm) or larger in diameter at breast height at than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vine approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, in herbaceous vines, regardless of size. Including plants, except woody vines, less than approx 3 ft (1 m) in height. Woody vine – All woody vines, regardless of the plants, regardless of the plants, except woody vines, regardless of the plants, excluding woody vines, regardless of the plants, excludin

<i>r</i> 1	

Depth Matrix	Redo	ox Features			
(inches) Color (moist)	% Color (moist)	% Type ¹	Loc ² Texture		
0 - 2 10YR6/3 10	00		S. Loam	Sandy Loam	
2 - 12 10YR5/4 10	00		S. Loam	Sandy Loam	
Type: C=Concentration, D=Depletic Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, 5 cm Mucky Mineral (A7) (LRR P, T) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A12) Coast Prairie Redox (A16) (MLR Sandy Mucky Mineral (S1) (LRR Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, Restrictive Layer (if observed): Type: Depth (inches):	On, RM=Reduced Matrix, C: Polyvalue Be Thin Dark Si Loamy Muck Loamy Gleye Pepleted Ma Redox Dark P, T, U) Popleted Da Redox Depreted Da Redox Depreted Oc Iron-Mangar Umbric Surfa RO, S) Reduced Ve Piedmont Fle Anomalous B	elow Surface (S8) (LR S, T, ty Mineral (F1) (LRR C) ed Matrix (F2) atrix (F3) Surface (F6) irk Surface (F7) essions (F8)	Sand Grains. Indicat R S, T, U)	² Location: PL=Pore Lining, Mors for Problematic Hydric Som Muck (A9) (LRR O) on Muck (A10) (LRR S) duced Vertic (F18) (outside Normalous Bright Loamy Soils (F19) ormalous Bright Loamy Soils (FMLRA 153B) di Parent Material (TF2) by Shallow Dark Surface (TF12) are (Explain in Remarks) ondicators of hydrophytic vegetivetland hydrology must be prounless disturbed or problemate	Soils ³ : ILRA 150A,I (LRR P, S, 1 20) (LRR T, U ation and esent,
Hydric soil indicators were not p	present.				

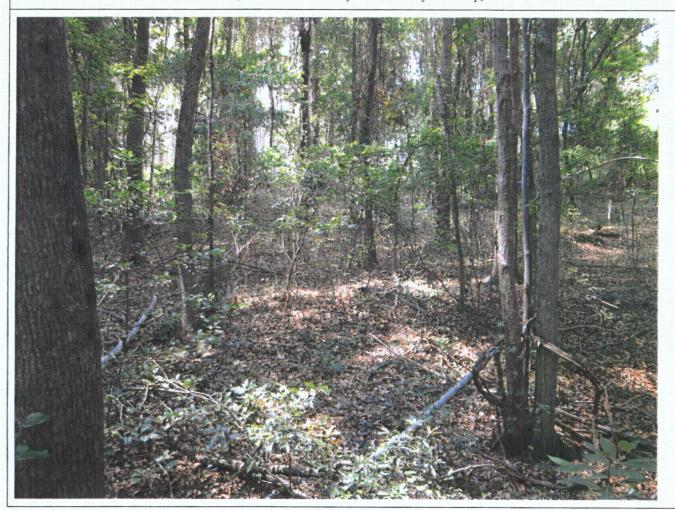




Non-Jurisdictional Feature Datasheet

Feature No.: NJD-12	Map No.: 9a	Feature ID.: NJD-12	Type: Non Jurisdictional
Date Surveyed: 06/07/2011	County: Burke	Acreage/Length: NA	

Comments: Non Jurisdictional Feature (indicated as 100% hydric on county soils map).



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Ρr	ın	ть	Or	m

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle Transmission Line	City/County: Burk	ke County		Sampling Date: 6/	7/2011
Project/Site: Thomson-Vogtle Transmission Line Applicant/Owner: Georgia Power Company		S	state: GA	Sampling Point: DI	P67
Investigator(s): MWO and SEC					
Landform (hillslope, terrace, etc.):	Local relief (conca	ave, convex, n	none):	Slope	(%):
Subregion (LRR or MLRA): LRR P Lat:					
Soil Map Unit Name:					
Are climatic / hydrologic conditions on the site typical for this time of	of year? Yes	No 🔲 (I	f no, explain in Re	emarks.)	
Are Vegetation, Soil, or Hydrology significa					× No [
Are Vegetation, Soil, or Hydrology naturally					
SUMMARY OF FINDINGS – Attach site map show					turas ata
		mt iocatioi	is, transcots,	Important real	tures, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sam	pled Area			
Hydric Soil Present? Yes No	within a W		Yes	□ No <u>×</u>	
Wetland Hydrology Present? Yes No Remarks:					
HYDROLOGY					
Wetland Hydrology Indicators:		5	Secondary Indicate	ors (minimum of tw	o required)
Primary Indicators (minimum of one is required; check all that app	ply)		Surface Soil C	Cracks (B6)	
	ned Leaves (B9)			etated Concave Su	rface (B8)
High Water Table (A2)		ļ	Drainage Patt		
	sits (B15) (LRR U)	i i	Moss Trim Lin		
	Sulfide Odor (C1) hizospheres on Living	Roots (C3)	Crayfish Burro	Vater Table (C2)	
	of Reduced Iron (C4)	1,0000 (00)		sible on Aerial Imag	ierv (C9)
	n Reduction in Tilled So	oils (C6)	Geomorphic F		0.7 (==/
	Surface (C7)		Shallow Aquita		
	lain in Remarks)		FAC-Neutral 7	Test (D5)	
Field Observations: Surface Water Present? Yes No Depth (incl	haal.				
Surface Water Present? Yes No Depth (included) Water Table Present? Yes No Depth (included)	nes):				
Saturation Present? Yes No Depth (incl		Wetland Hy	ydrology Present	? Yes 🗵	No
(includes capillary fringe)				1 163	NO
Describe Recorded Data (stream gauge, monitoring well, aerial pl	hotos, previous inspec	tions), if availa	able:		
Remarks:					
Remarks					

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:) 1 Liriodendron tulipifera	% Cover	Species?	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC:	11	(A)
Acer rubrum	20	×	FAC	, , , , , , , , , , , , , , , , , , ,		(/ /)
Quercus nigra	25		FAC	Total Number of Dominant Species Across All Strata:	11	(B)
llex opaca	10		FAC			_ (-)
Liquidambar styraciflua	10		FAC	Percent of Dominant Species That Are OBL, FACW, or FAC:	100%	(A/
)	_===	- $+$		Prevalence Index worksheet:		
'				Total % Cover of:	Multiply by	
	95	= Total Cov	/er			
Sapling Stratum (Plot size:) Liquidambar styraciflua	15	ত	FAC	OBL species x		
	- 10		FAC	FACW species x		
llex opaca	10			FAC species x		
Quercus nigra	5	X	FAC	FACU species x	4 =	
				UPL species x	5 =	
				Column Totals: (A	4)	(E
		一百		Prevalence Index = B/A =		
•	30			Hydrophytic Vegetation Indica	ators:	
Shrub Stratum (Plot size:)	30 :	= Total Cov	er	Dominance Test is >50%		
Persea borbonia	10	×	FACW	Prevalence Index is ≤3.0¹		
Hypericum hypericoides	- 5	×	FAC		1 //=	
- Hypericum Hypericoides			FAC	Problematic Hydrophytic Ve	getation (Ex	plain)
				¹ Indicators of hydric soil and we		gy must
				be present, unless disturbed or	problematic.	
		П		Definitions of Vegetation Strat	ta:	
		一青		Deminitions of Vegetation Stra	la.	
·	15			Tree – Woody plants, excluding woody vines,		
lash Ctratum (Distaire)	15 = Total Cover			approximately 20 ft (6 m) or more in height and 3 in.		
Herb Stratum (Plot size:) Poa sp.	2		N/A	(7.6 cm) or larger in diameter at breast height (DBH). Sapling – Woody plants, excluding woody vines,		
		ㅡ님	19/74			
)				approximately 20 ft (6 m) or mor		
3.				than 3 in. (7.6 cm) DBH.		
				Shrub – Woody plants, excluding	na woody vine	ic.
S				approximately 3 to 20 ft (1 to 6 r		3,
		П			, 3	
)		一百		Herb - All herbaceous (non-woo		
· .				herbaceous vines, regardless of		
k				plants, except woody vines, less 3 ft (1 m) in height.	i illali approxi	matery
				o it (r r r) it r r o ig r it.		
0				Woody vine – All woody vines,	regardless of	height.
1						
2.		П				
2,	2			I make the second of the secon		
Voody Vine Stratum (Plot size:)		= Total Cov	er er			
Vitis rotundifolia	5	×	FAC			
Smilax rotundifolia	— 5	×	FAC			
Smilax bona-nox	5	×	FAC			
				Hydrophytic		
	15	= Total Cov		Vegetation Present? Yes	No F	1
i	15 = Total Cover			Present? Yes X No		

SOIL

Depth	Matrix		Redo	ox Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-2	10YR4/3	100					S. Loam	Sandy Lo	am/Organic N	⁄lix
2 - 12	10YR5/3	85	7.5YR5/8	15	С	PL	S. Loam	Sandy Lo	am	
Type: C=C Ivdric Soil Histoso Histic E Black H Hydrog Stratifie Organic 5 cm M Muck P 1 cm M Deplete Thick D Coast F Sandy N Sandy F Stripped	Concentration, D=Del Indicators: I (A1) Ipipedon (A2) Idistic (A3) Idistic (A3) Idistic (A5) Idistic (A6) Idistic (A6) Idistic (A7) Idistic (A7) Idistic (A8) Idistic (A12) Idistic (A12) Idistic (A16) Idist	P, T, U) RR P, T, U Dee (A11) MLRA 150, LRR O, S)	=Reduced Matrix, C Polyvalue Bi Thin Dark Si Loamy Much Loamy Gley Depleted Ma Redox Dark Depleted Da Redox Depr Marl (F10) (I) Depleted Oc Iron-Mangar Umbric Surfi Delta Ochric Reduced Ve	S=Covere elow Surface (St ky Minera ed Matrix attrix (F3) Surface (surface essions (I LRR U) chric (F11) these Massace (F13) (F17) (M rtic (F18) oodplain to	ed or Coate ace (S8) (LRR S, (F1) (LRR (F2) F6) e (F7) ses (F12) ((LRR P, T LRA 151) (MLRA 15 Soils (F19)	ed Sand G RR S, T, T, U) O) 51) LRR O, P T, U) GOA, 150B (MLRA 1	Grains. ² L Indicators U)	ocation: PL=1 s for Problen Muck (A9) (Li Muck (A10) (I ced Vertic (F1 nont Floodpla allous Bright I RA 153B) Parent Materia Shallow Dark (Explain in R cators of hydi	Pore Lining, M=M natic Hydric Soil RR O) LRR S) 18) (outside MLR in Soils (F19) (LF Loamy Soils (F20	s ³ : A 150A, R P, S,) LRR T, L
Sandy F Stripped Dark Su	Redox (S5)		Piedmont Fl	oodplain	Soils (F19)	(MLRA 1	49A) RA 149A, 1530	C, 153D)		
Type:	iches):						Hydric Soi	I Present?	Yes L N	o <u> </u>

Wetland Feature Datasheet

Feature No.: W-41 Map No.: 9a		Feature ID.: o6weto3O Type: Forested				
Date Surveyed: 6/07/2011 County: Burke		Watershed: Brier				
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	0206			
Total Acreage: 1.12		Forested Acreage: 1.12				

Dominant Vegetation: Acer rubrum, Nyssa sylvatica, Liquidambar styraciflua, Ilex opaca, Peltandra virginicus, Woodwardia areolata, Osmunda regalis

Comments:



 $^{^{\}mbox{\tiny 1}}$ HUC - U.S. Geological Survey Hydrologic Unit Code

Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site. Thomson-Vogtle Transmission L	ine (City/County: E	Burke County		Sampling Date:	6/7/2011
Project/Site: Thomson-Vogtle Transmission L Applicant/Owner: Georgia Power Company				State: GA	Sampling Date: Sampling Point:	DP68(W-41)
		local ratiof (as	space copyes	nono):	Cla	no (9/):
Landform (hillslope, terrace, etc.):						
Subregion (LRR or MLRA): LRR P						
Soil Map Unit Name:						
Are climatic / hydrologic conditions on the site typical	protect					
Are Vegetation, Soil, or Hydrology	significantly	disturbed?	Are "Normal	Circumstances"	present? Yes	× No L
Are Vegetation, Soil, or Hydrology	naturally pro	blematic?	(If needed, e	explain any answ	ers in Remarks.)	
SUMMARY OF FINDINGS - Attach site i	map showing	sampling	point location	ns, transect	s. important f	eatures etc.
		- I	p		o, important i	
	× No —	Is the	Sampled Area			
	X No	within	a Wetland?	Yes	_ No[_
, 0,	× No					
Remarks:						
06wet03O						
HYDROLOGY						
Wetland Hydrology Indicators:					ators (minimum o	f two required)
Primary Indicators (minimum of one is required; che	7			Bosonial	l Cracks (B6)	
Surface Water (A1)	Water-Stained L	` '		Emmed	egetated Concave	Surface (B8)
High Water Table (A2)	Aquatic Fauna (Dramage	atterns (B10)	
Saturation (A3)	Marl Deposits (E)Hydrogen Sulfid			Moss Trim I		
Water Marks (B1) Sediment Deposits (B2)	Oxidized Rhizos		ing Poots (C3)	Crayfish Bu	Water Table (C2))
Drift Deposits (B3)	Presence of Re			Bearing	/isible on Aerial In	nanen/(C0)
Algal Mat or Crust (B4)	Recent Iron Rec				Position (D2)	nagery (C3)
Iron Deposits (B5)	Thin Muck Surfa		a cons (66)	Shallow Aqu		
Inundation Visible on Aerial Imagery (B7)	Other (Explain i			FAC-Neutra		
Field Observations:			T			
Surface Water Present? Yes No	Depth (inches)					
Water Table Present? Yes No	Depth (inches)					
Saturation Present? Yes No L	Depth (inches)	4		lydrology Prese	nt? Yesx	No
(includes capillary fringe)				U-151-		
Describe Recorded Data (stream gauge, monitoring	well, aeriai prioto	s, previous ins	spections), ii ava	liable.		
Remarks:						
ZIMINE			TO STATE OF THE ST			
						j

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: _____)

Sapling Stratum (Plot size: _____)

Shrub Stratum (Plot size: _____)

1. Acer rubrum

1. Acer rubrum

2. Nyssa sylvatica

3. Liquidambar styraciflua

2 Liquidambar styraciflua

3. Ilex opaca

Herb Stratum (Plot size:

1 Peltandra virginicus

2. Woodwardia areolata

3 Osmunda regalis

4. Osmunda cinnamomea

6. _____

Woody Vine Stratum (Plot size: _____)

			Sampling Point: DP6	8
Absolute	Dominant	Indicator	Dominance Test worksheet:	
% Cover 55	Species?	Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 8	(A)
25 10		FAC	Total Number of Dominant Species Across All Strata: 8	(B)
			Percent of Dominant Species That Are OBL, FACW, or FAC: 100%	(A/B)
			Prevalence Index worksheet:	
90	= Total Cov	/er	Total % Cover of: Multiply by:	
			OBL species x 1 =	
20	×	FAC	FACW species x 2 =	_
15	×	FAC	FAC species x 3 =	
10	×	FAC	FACU species x 4 =	
			UPL species x 5 =	
			Column Totals: (A)	
	ㅡ븜		Prevalence Index = B/A =	
45 -			Hydrophytic Vegetation Indicators:	
=	Total Cov	er	Dominance Test is >50%	
	п		Prevalence Index is ≤3.0 ¹	
	一百		Problematic Hydrophytic Vegetation ¹ (Explai	n)
				119
			Indicators of hydric soil and watland hydrology	ou at
			Indicators of hydric soil and wetland hydrology no be present, unless disturbed or problematic.	iust
			Definitions of Vegetation Strata:	
=	Total Cov	er	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3	
15	×	OBL	(7.6 cm) or larger in diameter at breast height (DI	3H).
20	×	OBL	Sapling - Woody plants, excluding woody vines,	
10	×	OBL	approximately 20 ft (6 m) or more in height and le than 3 in. (7.6 cm) DBH.	ess
2		FACW	trian 3 in. (7.6 cm) DBH.	
		TACW	Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.	
			Herb – All herbaceous (non-woody) plants, included herbaceous vines, regardless of size. Includes we plants, except woody vines, less than approximate 3 ft (1 m) in height.	oody tely
	무		Woody vine – All woody vines, regardless of hei	ght.
47 -				
,, =	Total Cov	er		
	Total Cove		Hydrophytic Vegetation Present? Yes No	

Describes (If sheers and list recombalarical adaptations below)	
Remarks: (If observed, list morphological adaptations below).	
	1 1 1
Species with "N/A" indicator status were not included in the dominance	e calculation
openes with two maleator status were not included in the dominant	c calculation

Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 0 - 5 10YR2/2 100
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 2 Location: PL=Pore Lining, M=Matrix and Company of the Company of
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 2 Location: PL=Pore Lining, M=Matrix of Coated Sand Grains. Indicators for Problematic Hydric Soils.
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 2 Location: PL=Pore Lining, M=Matrix of the content
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Muck Presence (A8) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Polyvalue Below Surface (S8) (LRR S, T, U) Thin Dark Surface (S9) (LRR O, T) Thin Dark Surface (F19) (LRR O) Thin Dark Surface (F19) (LRR O) Thin Dark Surface (F19) Thin Dark Surface (F19) (LRR O, T) Thin Dark Surface (A12) Thin Dark Surface (A12) Thin Dark Surface (F19) Thin Dark Surface (F1

P					
\mathbf{P}	rin	١T	-0	rm	
	111				

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

0,000 0.10.	City	County: Darke County		Sampling Date: 6/7/2011
roject/Site: Thomson-Vogtle Transmis pplicant/Owner: Georgia Power Compa	any	,	State: GA	Sampling Point: DP69(W-41
1050	Sec			
andform (hillslope, terrace, etc.):				
ubregion (LRR or MLRA): LRR P	Lat:	Lona:		Datum:
oil Map Unit Name:				fication:
re climatic / hydrologic conditions on the site				
re Vegetation \square , Soil \square , or Hydro				
re Vegetation \square , Soil \square , or Hydro				
UMMARY OF FINDINGS – Attach	site map showing sa	mpling point location	ons, transect	s, important features, etc
, , ,	es 💹 🗙 No 🔝	Is the Sampled Area		
Hydric Soil Present? Ye	es No X	within a Wetland?	Yes	□ No ×
Wetland Hydrology Present? Ye	es No X			
Ipland from 01wet03O				
pland from 61wet655				
YDROLOGY				
Wetland Hydrology Indicators:				cators (minimum of two required)
Primary Indicators (minimum of one is required)		(50)		il Cracks (B6)
Surface Water (A1)	Water-Stained Leav			egetated Concave Surface (B8)
High Water Table (A2) Saturation (A3)	Aquatic Fauna (B13) Marl Deposits (B15)			atterns (B10) Lines (B16)
Water Marks (B1)	Hydrogen Sulfide C			n Water Table (C2)
Sediment Deposits (B2)		eres on Living Roots (C3)		urrows (C8)
Drift Deposits (B3)	Presence of Reduc			Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Recent Iron Reduct	tion in Tilled Soils (C6)	Geomorphi	c Position (D2)
Iron Deposits (B5)	Thin Muck Surface	(C7)	Shallow Aq	uitard (D3)
Inundation Visible on Aerial Imagery (B7)	7) L Other (Explain in R	emarks)	FAC-Neutra	al Test (D5)
Field Observations:	. 🔽			
Prompt of the state of the stat	No Depth (inches): Depth (inches):			
	No Depth (inches): No Depth (inches):		ludeste en Bere	ent? Yes No X
Saturation Present? Yes ! Sincludes capillary fringe)	No Depth (inches):	Wetland F	Hydrology Prese	ent? Yes NoX
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, p	revious inspections), if ava	ilable:	
, , , , , , , , , , , , , , , , , , , ,				
Remarks:				

VEGETATION – Use scientific nar	mes of plants.

25 25 25 5	Total Cover FAC+	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet:	1 =
25 = 5 = 5 = 5 = 5	Total Cover FAC+	Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet:	80% (A/ Multiply by: 1 = 2 = 3 = 4 = 5 = (E
25 = 5 = 5 = 5 = 5	Total Cover FAC+	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet:	80% (A/ Multiply by: 1 = 2 = 3 = 4 = 5 = (E
25 = 5 = 5 = 5 = 5	Total Cover FAC+	That Are OBL, FACW, or FAC: Prevalence Index worksheet:	Multiply by: =
25 = 5 = 5 = 5 = 5	Total Cover FAC+	Total % Cover of: OBL species x 1 FACW species x 2 FAC species x 3 FACU species x 4 UPL species x 5 Column Totals: (A) Prevalence Index B/A = Hydrophytic Vegetation Indicate	1 =
5 =	X FAC+	Total % Cover of: OBL species x 1 FACW species x 2 FAC species x 3 FACU species x 4 UPL species x 5 Column Totals: (A) Prevalence Index B/A = Hydrophytic Vegetation Indicate	1 =
5 =	X FAC+	OBL species x 1 FACW species x 2 FAC species x 3 FACU species x 4 UPL species x 5 Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicate	1 =
5_=		FACW species x 2 FAC species x 3 FACU species x 4 UPL species x 5 Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicate	2 =
5_=		FAC species x 3 FACU species x 4 UPL species x 5 Column Totals: (A) Prevalence Index = B/A = 1 Hydrophytic Vegetation Indicate	3 = 4 = 5 = (E
5_=		FACU species x 4 UPL species x 5 Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicate	t = (E
5=		UPL species x 5 Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicate	5 = (E
5 =		Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicate	(E
5 =		Prevalence Index = B/A = Hydrophytic Vegetation Indicate	25.7
5 =	Total Cover	Hydrophytic Vegetation Indicate	
	Total Cover	Hydrophytic Vegetation Indicate	
	Total Cover		ors:
75		Dominance Test is >50%	
	× FAC	Prevalence Index is ≤3.0¹	
		Problematic Hydrophytic Veg	etation ¹ (Explain)
		¹ Indicators of hydric soil and wetla	and hydrology must
	T Fi	be present, unless disturbed or pr	oblematic.
	T T	Definitions of Venetation Strate	
:	一	Definitions of Vegetation Strata).
— <u>—</u> -		Tree - Woody plants, excluding w	
<u> </u>	Total Cover	approximately 20 ft (6 m) or more	
5	X FAC	(7.6 cm) or larger in diameter at b	reast neight (DBH)
		Sapling - Woody plants, excluding	ng woody vines,
	 	approximately 20 ft (6 m) or more	
		tnan 3 in. (7.6 cm) DBH.	
		Shrub - Woody plants, excluding	woody vines.
		approximately 3 to 20 ft (1 to 6 m)	
		Harb All barbassaus (non uness	du) alaata inakudina
			,,,
		plants, except woody vines, less t	
		3 ft (1 m) in height.	
	TE TE	Woody vine – All woody vines re	egardless of height
	一一		G ====================================
	===		
- <u> </u>			
<u> </u>	Total Cover		
70	X FAC		
	=======================================		
	닏	Hydrophytic	
		Vegetation	
=	Total Cover	Present? YesX	No
	5 	75 = Total Cover 5	be present, unless disturbed or processor of the present of the pr

	scription: (Describe	to the depth				or confirm	the abse	nce	of indicators.)		
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Features %	Type	_Loc ²	Texture	P	Remar	·ke	
0 - 14	10YR4/4	100	Color (IIIOISI)		Type	LUC	S. Loan		Sandy Loam	NO	
- 14							- Luan		- Curicy Loan		
¹ Type: C=0	Concentration, D=De	pletion, RM=R	educed Matrix, CS	S=Covered	or Coate	d Sand Gr			cation: PL=Pore Linir		
Hydric Soil	Indicators:						Indicat	tors	for Problematic Hyd	ric Soils ³	:
Histosc	ol (A1)		Polyvalue Be				J) 🔲 1 c	cm M	luck (A9) (LRR O)		
Histic E	Epipedon (A2)		Thin Dark Su	ırface (S9)	(LRR S,	T, U)	7 20	cm M	luck (A10) (LRR S)		
Black H	Histic (A3)		Loamy Muck	y Mineral (F1) (LRR	(0)	Re	educe	ed Vertic (F18) (outsi	de MLRA	150A,E
Hydrog	en Sulfide (A4)		Loamy Gleye				Pie	edmo	ont Floodplain Soils (F	19) (LRR	P, S, T
Stratifie	ed Layers (A5)		Depleted Ma	trix (F3)			H An	noma	lous Bright Loamy So	oils (F20)	
Organio	c Bodies (A6) (LRR I	P, T, U)	Redox Dark	Surface (F	6)				RA 153B)		
	lucky Mineral (A7) (L		Depleted Dar	rk Surface	(F7)				arent Material (TF2)		
	Presence (A8) (LRR I		Redox Depre	essions (F8					hallow Dark Surface (TF12) (LR	R T, U)
1 cm M	uck (A9) (LRR P, T)		Marl (F10) (L	.RR U)			garage (Explain in Remarks)		ĺ
Deplete	ed Below Dark Surface	ce (A11)	Depleted Oct		MLRA 1	51)					
Thick D	ark Surface (A12)		Iron-Mangan	ese Masse	es (F12) (LRR O, P,	T) 3I	Indic	ators of hydrophytic v	egetation	and
Coast F	Prairie Redox (A16) ((MLRA 150A)	Umbric Surfa	ice (F13) (I	LRR P, T	, U)		wetl	land hydrology must b	e present	
Sandy	Mucky Mineral (S1) ((LRR O, S)	Delta Ochric	(F17) (ML	RA 151)			unle	ess disturbed or proble	ematic.	
Sandy	Gleyed Matrix (S4)		Reduced Ver	tic (F18) (I	MLRA 15	0A, 150B)					
Sandy	Redox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	9A)				
Strippe	d Matrix (S6)		Anomalous E	Bright Loan	ny Soils (I	F20) (MLR	A 149A, 1	53C,	153D)		
Dark Si	urface (S7) (LRR P,	S, T, U)									
Restrictive	Layer (if observed)):									
Type:			_								
Depth (ir	nches):						Hydric S	Soil	Present? Yes	□ No	×
Remarke:											
rtomanto.											
ار الماريانيان الماريانيان الماريانيانيان	indicators	ot proces									
iyarıc soil	indicators were n	ot present.									