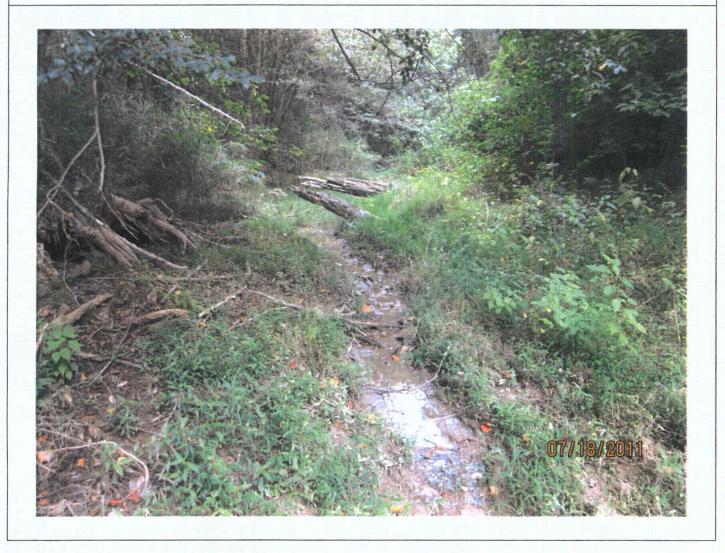


Stream Feature Datasheet

Feature No.: I-8	Map No.: 12a	Feature ID.: 09int01N	Type: Intermittent				
Date Surveyed: 7/18/2011	ate Surveyed: 7/18/2011 County: Burke		Watershed: Brier				
8-Digit HUC1: 03060108		12-Digit HUC: 0306010	80303				
Acreage: 0.02 acre		Length: 190 linear-feet					
Substrate: Sand/Silt	Width2: 2 - 3 feet	Depth3: 4 - 5 inches					

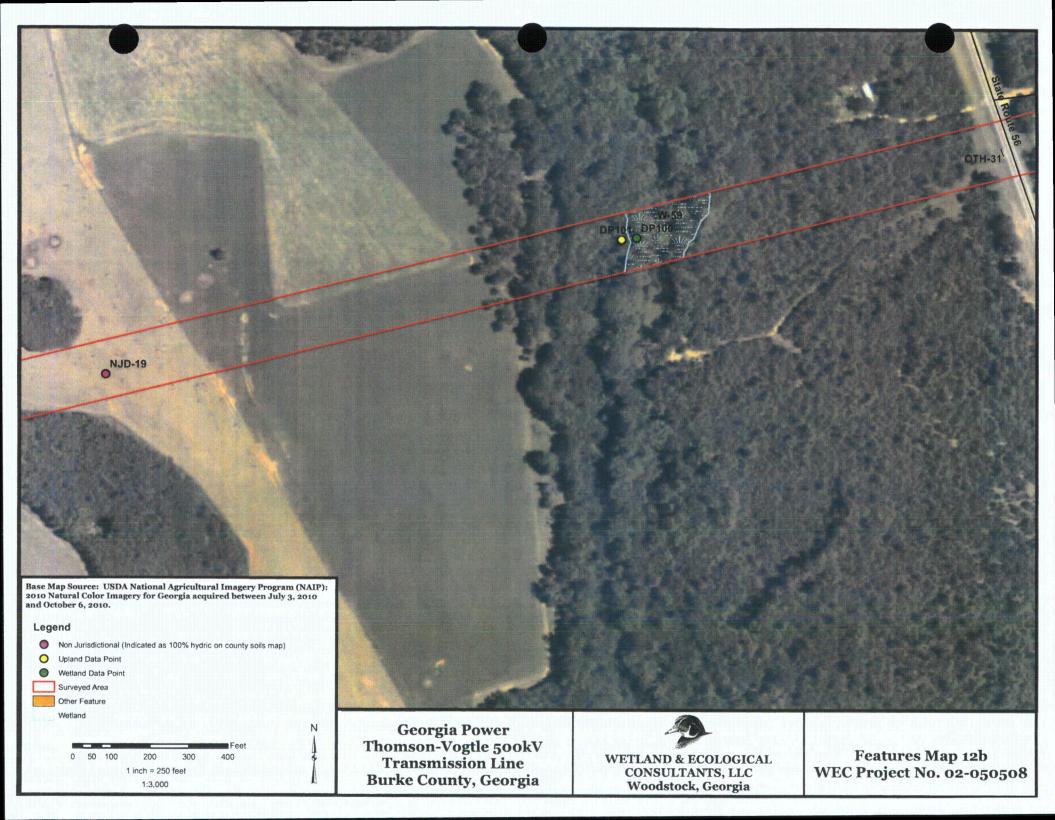


¹ HUC – U.S. Geological Survey Hydrologic Unit Code ² Width was measured in linear feet from Ordinary High-water Mark (OHWM) to OHWM. ³ Depth was measured in feet from the OHWM to thalweg.

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

<u>Date:</u> 7/18/11 <u>Project Site:</u> Thomson-Vogtle	<u>Feature No.:</u>	I-8
Evaluator: MEN & MDH County: Burke, GA	<u>Feature ID:</u> 0	99into1N
Parameter	Scoring Category	Numerical Score
A. Geomorphology		
Continuity of bed and bank	Weak	1
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	Weak	1
6. Depositional bars or benches	Absent	0
7. Recent alluvial deposits	Absent	0
8. Headcuts	Absent	0
9. Grade control	Strong	1.5
10. Natural valley or drainage way	Strong	1.5
11. 2 nd order channel on USGS or NRCS map? (Yes =3/No=0)	No	0
B. Hydrology		
12. Presence of Baseflow	Moderate	2
13. Iron oxidizing bacteria	Weak	1
14. Leaf litter	Weak	1
15. Sediment on plants or debris	Weak	0.5
16. Organic debris lines or piles	Absent	0
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	Moderate	1
20. Macrobenthos	Weak	1
21. Aquatic mollusks	Absent	0
22. Fish	Weak	0.5
23. Crayfish	Strong	1.5
24. Amphibians	Moderate	1
25. Algae	Moderate	1
26. Wetland plants in streambed (FACW=0.75; OBL=1.5; Other=0)	FACW	0.75
Total Points:		26.25
Stream Type:		Intermittent

Prepared by: <u>MDH;</u> Date: <u>3/23/2012</u> Checked by: <u>MEN</u> Date: <u>7/18/2012</u>



Feature No.: NJD-19	Map No.: 12b	Feature ID.: NJD-19	Type: Non Jurisdictional
Date Surveyed: 07/18/2011	County: Burke	Acreage/Length: NA	

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



Wetland Feature Datasheet

Feature No.: W-59	Map No .: 12b	Feature ID.: 09wet01N	Type: Forested		
Date Surveyed: 7/18/2011 County: Burke		Watershed: Brier			
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	0303		
Total Acreage: 0.66		Forested Acreage: 0.66			

Dominant Vegetation: Liriodendron tulipifera, Acer rubrum, Alnus serrulata, Ilex opaca, Woodwardia areolata, Commelina virginica, Smilax laurifolia



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	City/County: Burke		Sampling Date: 7/18/2011
Applicant/Owner: Georgia Power Company		State: GA	Sampling Date: 7/18/2011 Sampling Point: DP100(W59)
Investigator(s): MEN and MDH	Section, Township, Ra	ange:	
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): LRR P Lat:			
Soil Map Unit Name:			ication:
Are climatic / hydrologic conditions on the site typical for this time o			
Are Vegetation, Soil, or Hydrology significal			
Are Vegetation, Soil, or Hydrology naturally			
SUMMARY OF FINDINGS – Attach site map show			
		ocations, transect	s, important leatures, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled	d Area	
Hydric Soil Present? Wetland Hydrology Present? Yes No No	within a Wetlan	nd? Yes	_X No
Wetland Hydrology Present? Yes No Remarks:			
remars.			
00 (04N)			
09wet01N			
A CONTRACT OF THE PARTY OF THE			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary India	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	oly)	Surface So	il Cracks (B6)
	ned Leaves (B9)	Sparsely Ve	egetated Concave Surface (B8)
High Water Table (A2)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		atterns (B10)
	its (B15) (LRR U)	Moss Trim	
	Sulfide Odor (C1)		Water Table (C2)
	nizospheres on Living Root f Reduced Iron (C4)	promp	rrows (C8) Visible on Aerial Imagery (C9)
	Reduction in Tilled Soils (c Position (D2)
	Surface (C7)	Shallow Ag	
	ain in Remarks)	FAC-Neutra	
Field Observations:			
Surface Water Present? Yes No Depth (inch			
Water Table Present? Yes No Depth (inch	nes): 2		
Saturation Present? Yes No Depth (inch	nes): 0 We	etland Hydrology Prese	ent? Yes No No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pt		s), if available:	
Remarks:			

= Total	Cover	FACW FAC FACW FACW	That Are OBL, FACW, or FAC: 9 (A) Total Number of Dominant Species Across All Strata: 9 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A) Prevalence Index worksheet:
= Total	Cove	FACW FACW FACW	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 =
= Total	Cover	FACW FAC FACW FACW	Percent of Dominant Species That Are OBL, FACW, or FAC:
= Total	Cover	FACW FAC FACW FACW	That Are OBL, FACW, or FAC: 100% (A. Prevalence Index worksheet:
= Total	Cover	FACW FAC FACW FACW	Total % Cover of: OBL species
= Total	Cover	FACW FAC FACW FACW	Total % Cover of: OBL species
= Total	Cover	FACW FAC FACW FACW	OBL species
= Total	Cover	FACW FAC FACW FACW	FACW species x 2 =
= Total	Cove	r FACW FACW	FACW species x 2 =
= Total	Cover	FACW	FAC species x 3 =
= Total	Cover	FACW	FACU species x 4 =
= Total	× × · · · · · · · · · · · · · · · · · ·	FACW	UPL species x 5 =
= Total	× × · · · · · · · · · · · · · · · · · ·	FACW	Column Totals:(A)(IIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
= Total	× × · · · · · · · · · · · · · · · · · ·	FACW	Prevalence Index = B/A =
= Total	× × · · · · · · · · · · · · · · · · · ·	FACW	Hydrophytic Vegetation Indicators: ☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹ ☐ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total	× × · · · · · · · · · · · · · · · · · ·	FACW	Hydrophytic Vegetation Indicators: ☐ Dominance Test is >50% ☐ Prevalence Index is ≤3.0¹ ☐ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total	× × · · · · · · · · · · · · · · · · · ·	FACW	Dominance Test is >50% Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total	× × · · · · · · · · · · · · · · · · · ·	FACW	Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total	Cove	FACW	Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total	Cove		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total			be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total			be present, unless disturbed or problematic. Definitions of Vegetation Strata:
= Total			Definitions of Vegetation Strata:
= Total			
rotar		r	
rotar		r	
	_		Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
			(7.6 cm) or larger in diameter at breast height (DBH)
		OBL	Sapling – Woody plants, excluding woody vines,
		FAC	approximately 20 ft (6 m) or more in height and less
)	×	FACW	than 3 in. (7.6 cm) DBH.
		FACW	
	П	FACW	Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
	Ē		approximately a to 20 it (7 to 6 iii) iii nieigiit.
	H		Herb – All herbaceous (non-woody) plants, including
	븜-		herbaceous vines, regardless of size. Includes wood
	빝.		plants, except woody vines, less than approximately 3 ft (1 m) in height.
	Ш		o te (1 m) m noight.
			Woody vine - All woody vines, regardless of height.
	П		
- Total			
= 10tal t	Cover		
	X	FACW	
	Ħ-		
	믐-		
	님-		
	빌.		Hydrophytic
			Hydrophytic Vegetation
= Total	Cover	r	Present? Yes X No
	- Total	= Total Cove	= Total Cover

SOIL Sampling Point: DP100

	Matrix (maint)	0/	Redox Fea	tures			
<u>inches)</u>) - 10	Color (moist) 5YR3/1	100	Color (moist) 9	6 Type ¹ Loc ²	Texture Muck	Mucky Loam	arks
0 - 18	5YR5/1	100			L. Sand	Loamy Sand	
0 - 10							
4		pletion, RM=F	Reduced Matrix, CS=Cov	vered or Coated Sand		ocation: PL=Pore Lir	
7	Indicators:		п			s for Problematic Hy	ydric Soils³:
Histoso			Polyvalue Below S Thin Dark Surface	urface (S8) (LRR S, 1		Muck (A9) (LRR O)	
7	pipedon (A2) listic (A3)		Loamy Mucky Min			Muck (A10) (LRR S) ced Vertic (F18) (out	
	en Sulfide (A4)		Loamy Gleyed Ma			nont Floodplain Soils	
	d Layers (A5)		Depleted Matrix (F			alous Bright Loamy	Soils (F20)
	Bodies (A6) (LRR F		Redox Dark Surface			RA 153B)	
	ucky Mineral (A7) (L resence (A8) (LRR I		Depleted Dark Sur			Parent Material (TF2) Shallow Dark Surface	
F	uck (A9) (LRR P, T)		Marl (F10) (LRR U		general	Explain in Remarks)	
T	d Below Dark Surface		Depleted Ochric (F	11) (MLRA 151)			
	ark Surface (A12)			lasses (F12) (LRR O,		cators of hydrophytic	
-	Prairie Redox (A16) (tland hydrology mus	
	Mucky Mineral (S1) (Gleyed Matrix (S4)	(LRR 0, 5)	Delta Ochric (F17)	(MLRA 151) 18) (MLRA 150A, 150		less disturbed or pro	blematic.
	Redox (S5)			in Soils (F19) (MLRA			
	d Matrix (S6)			Loamy Soils (F20) (M		C, 153D)	
	urface (S7) (LRR P,	S. T. U)					
estrictive	Layer (if observed)						
Type:	Layer (if observed)				Undeie Cei	1 D12 - V	X [
Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes _	× No
Type: Depth (in	Layer (if observed)		_		Hydric Soi	I Present? Yes _	× No [
Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes _	X No [
Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes	⊠ No [
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	▼ No [
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	X No [
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No □
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No [
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	X No [
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No □
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No [
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No [
strictive Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No
strictive Type: Depth (ir	Layer (if observed)				Hydric Soi	I Present? Yes	⊠ No □
Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No □
Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No □
Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No □
Type:	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No
Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes	⊠ No [
Type: Depth (in	Layer (if observed)				Hydric Soi	I Present? Yes _	⊠ No

Print Form

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle	c	ity/County: Burk	ке		Sampling Date	. 7/18/2011
Applicant/Owner: Georgia Power Company		19/000.11.	S	tate: GA	Sampling Poin	DP101(W59
Investigator(s): MEN and MDH	S				Op3	\\
Landform (hillslope, terrace, etc.):					SI	one (%):
Subregion (LRR or MLRA): LRR P						
Soil Map Unit Name:						
Are climatic / hydrologic conditions on the site typical for	or this time of yea	ro Vas	No. [] (I	f no evolain in R	amarke)	
Are Vegetation, Soil, or Hydrology						X No
Are Vegetation, Soil, or Hydrology	D soft wally prob	Isturbeu:	Are Norman	officumstances p	resente res_	NO
SUMMARY OF FINDINGS – Attach site m	nap showing :	sampling poi	nt location	ns, transects	, important	features, etc.
Hydric Soil Present? Yes	No X	Is the Sam		Yes	□ No	×
Remarks:	NO					
unland for 00 wat01N						
upland for 09wet01N						
HYDROLOGY						
Wetland Hydrology Indicators:			S	Secondary Indica	tors (minimum	of two required)
Primary Indicators (minimum of one is required; chec	k all that apply)		إ	Surface Soil	Cracks (B6)	
Surface Water (A1)	Water-Stained Le	, ,		Parent Land	etated Concav	e Surface (B8)
High Water Table (A2)	Aquatic Fauna (E			Drainage Pat	, , ,	
	Marl Deposits (B			Moss Trim Li		
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide Oxidized Rhizosp		Poots (C3)	Crayfish Burr	Nater Table (C:	2)
Drift Deposits (B3)	Presence of Red		Roots (OU)	parang parang	ows (Co) sible on Aerial I	Imagery (C9)
Algal Mat or Crust (B4)	Recent Iron Red	, ,	oils (C6)	Geomorphic		magery (oc)
Iron Deposits (B5)	Thin Muck Surface	ce (C7)	ì í	Shallow Aqui		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in	Remarks)	1	FAC-Neutral		
Field Observations:						
Surface Water Present? Yes NoX	Depth (inches):					
Water Table Present? Yes NoX	Depth (inches):				,	
Saturation Present? Yes No	Depth (inches):		Wetland Hy	drology Presen	t? Yes	ك N°
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring v	well, aerial photos	, previous inspec	tions), if avail	able:		
			,,			
Remarks:						
Hydrologic indicators were not present.						

VEGETATION -	Use	scientific names	of	plants.

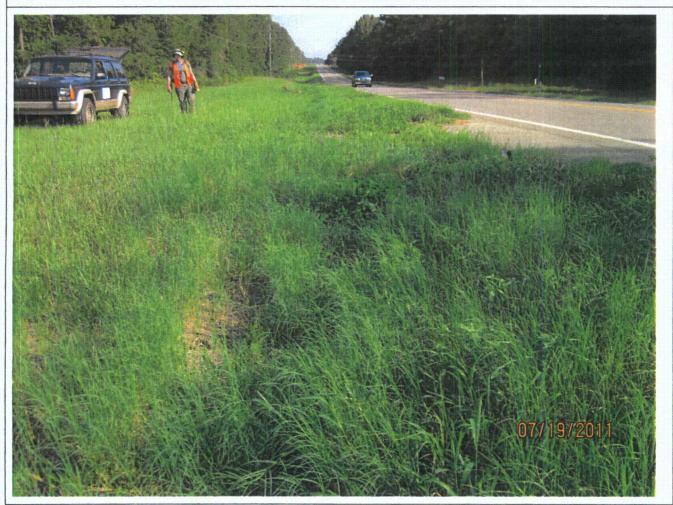
1. Fagus grandifolia 50 2. Ilex opaca 30 3. Quercus nigra 10 4		= Total		FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 60% (A) Prevalence Index worksheet:
2		= Total		FACU FACU FACU FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet:
4		= Total		er FACU FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet:
5		= Total	Sove	FAC	That Are OBL, FACW, or FAC: 60% (A/ Prevalence Index worksheet:
Sapling Stratum (Plot size:) 10 10 10 10 10 10 10 1		= Total (Sove	FAC	Total % Cover of: OBL species
Sapling Stratum (Plot size:) 10 10 10 10 10 10 10 1		= Total (Sove	FAC	OBL species
Fagus grandifolia		= Total (Sove	FAC	OBL species
Fagus grandifolia		= Total (Cove	FAC	FACW species x 2 =
3		= Total (×	FAC	FAC species x 3 =
Shrub Stratum (Plot size:) Aesculus pavia 3		= Total (×	FAC	FACU species x 4 =
Shrub Stratum (Plot size:) Aesculus pavia 3 Shrub Stratum (Plot size:) Aesculus pavia 3 Shrub Stratum (Plot size:)		= Total (×	FAC	UPL species x 5 =
Shrub Stratum (Plot size:) Aesculus pavia 3 Shrub Stratum (Plot size:) Aesculus pavia 3 Shrub Stratum (Plot size:)		= Total (×	FAC	Column Totals:(A)(Prevalence Index = B/A =
Shrub Stratum (Plot size:)		= Total (×	FAC	Prevalence Index = B/A =
Shrub Stratum (Plot size:) Aesculus pavia 3 3 4 4 Herb Stratum (Plot size:) 3 4 Block Stratum (Plot size:)			×	FAC	Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
Shrub Stratum (Plot size:)			×	FAC	Hydrophytic Vegetation Indicators: Dominance Test is >50% Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
Aesculus pavia 3 Aesculus pavia 3 Lerb Stratum (Plot size:)			×	FAC	Dominance Test is >50% Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
Aesculus pavia 3					Prevalence Index is ≤3.0¹ Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
3					Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
3			Cove		¹Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
3			Cove		be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
3			Cove		be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
3 3 3 4 5 5 5 5 6 6 6 6 6 6		Total (Cove		Definitions of Vegetation Strata: Tree – Woody plants, excluding woody vines,
3	=	= Total (Cove		Tree – Woody plants, excluding woody vines,
3 Herb Stratum (Plot size:)		= Total (L Cove		
Herb Stratum (Plot size:) 1		= Total (Cove	er	
Woody Vine Stratum (Plot size:)		= Total (Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH. Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height. Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height. Woody vine – All woody vines, regardless of height.
Smilax rotundifolia 1			×	FAC	
5.					Hydrophytic
1		= Total (Cove	er	Vegetation Present? Yes No
Remarks: (If observed, list morphological adaptations below).					

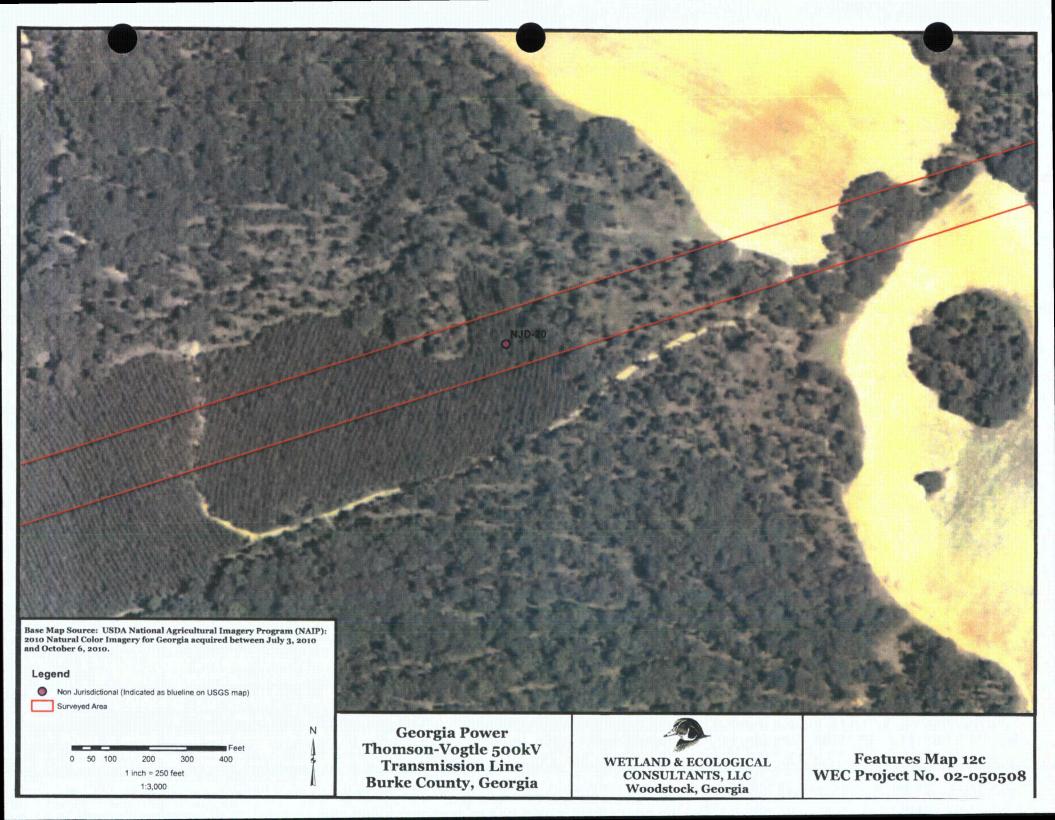
SOIL

	Motriy		Dode	x Features			the absence			
Depth (inches)	Color (moist)	%	Color (moist)	%	_Type ¹	_ Loc²	Texture		Remarks	
0 - 6	5YR4/3	100	Colo: (Illoid)				L. Sand	Loamy Sa		
6 - 18	5YR5/6	_ 100 _					L. Sand	Loamy Sa	na	
	oncentration, D=Dep	pletion, RM=R	educed Matrix, C	S=Covered	d or Coate	ed Sand Gr		ocation: PL=P		
Hydric Soil			П					s for Problem		soils":
Histosol			Polyvalue Be	elow Surfac	ce (S8) (L	.RR S, T, L		Muck (A9) (LR		
	pipedon (A2)		Thin Dark St					Muck (A10) (L		
	istic (A3)		Loamy Muck			(0)		ced Vertic (F18		
	en Sulfide (A4)		Loamy Gley		F2)			nont Floodplair		
	d Layers (A5) : Bodies (A6) (LRR F	2 T III	Depleted Ma		·6)			nalous Bright Lo . RA 153B)	Darriy Solis (F	-20)
	ucky Mineral (A7) (L		Depleted Da					Parent Material	(TF2)	
	resence (A8) (LRR L		Redox Depre					Shallow Dark S) (I RR T II
	uck (A9) (LRR P, T)	- /	Marl (F10) (I		-,		The same of the sa	(Explain in Re		-) (E
posterior .	d Below Dark Surface	ce (A11)	Depleted Oc		(MLRA 1	51)		V		
	ark Surface (A12)		Iron-Mangar				T) ³ Ind	cators of hydro	phytic vegeta	ation and
Coast P	rairie Redox (A16) (MLRA 150A)	Umbric Surfa	ace (F13) (LRR P, T	, U)		etland hydrolog		
Sandy N	Mucky Mineral (S1) (LRR O, S)	Delta Ochric					less disturbed	or problemat	ic.
Sandy C	Gleyed Matrix (S4)		Reduced Ve							
	Redox (S5)		Piedmont Fl							
Stripped	d Matrix (S6)		Anomalous I	Bright Loan	ny Soils (f	F20) (MLR	A 149A, 1530	C, 153D)		
Dark Su	rface (S7) (LRR P,						1			
Dark Su	rface (S7) (LRR P, S Layer (if observed)									
Dark Su Restrictive Type:	Layer (if observed)									[7
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type:	Layer (if observed)		-				Hydric So	il Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	Il Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	Il Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	l Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	l Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	Il Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Sur Restrictive Type: Depth (in	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	Il Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarke:	Layer (if observed)						Hydric So	Il Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X
Dark Su Restrictive Type: Depth (in Remarks:	Layer (if observed)						Hydric So	I Present?	Yes	No X

Feature No.: OTH-31	Map No.: 12b	Feature ID.: 090th02N	Type: Other feature
Date Surveyed: 7/19/2011	County: Burke	Acreage/Length: 20 linea	r feet

Comments: 12-in. diameter concrete roadway drainage culvert

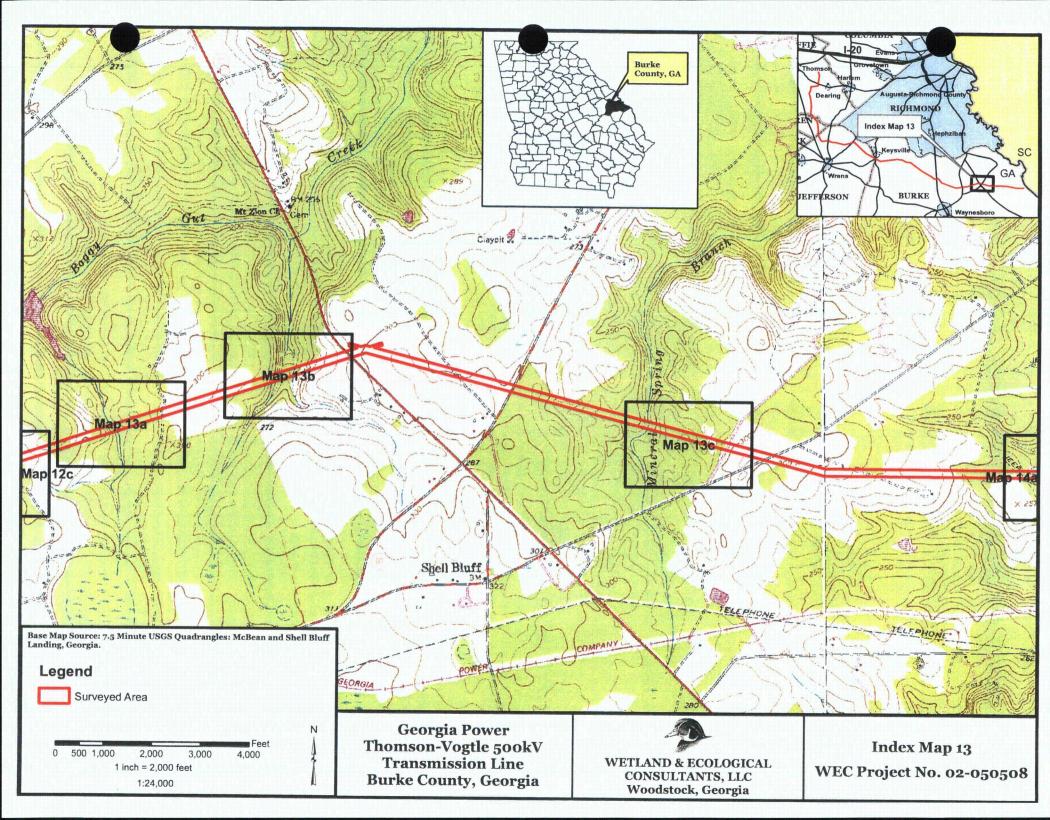


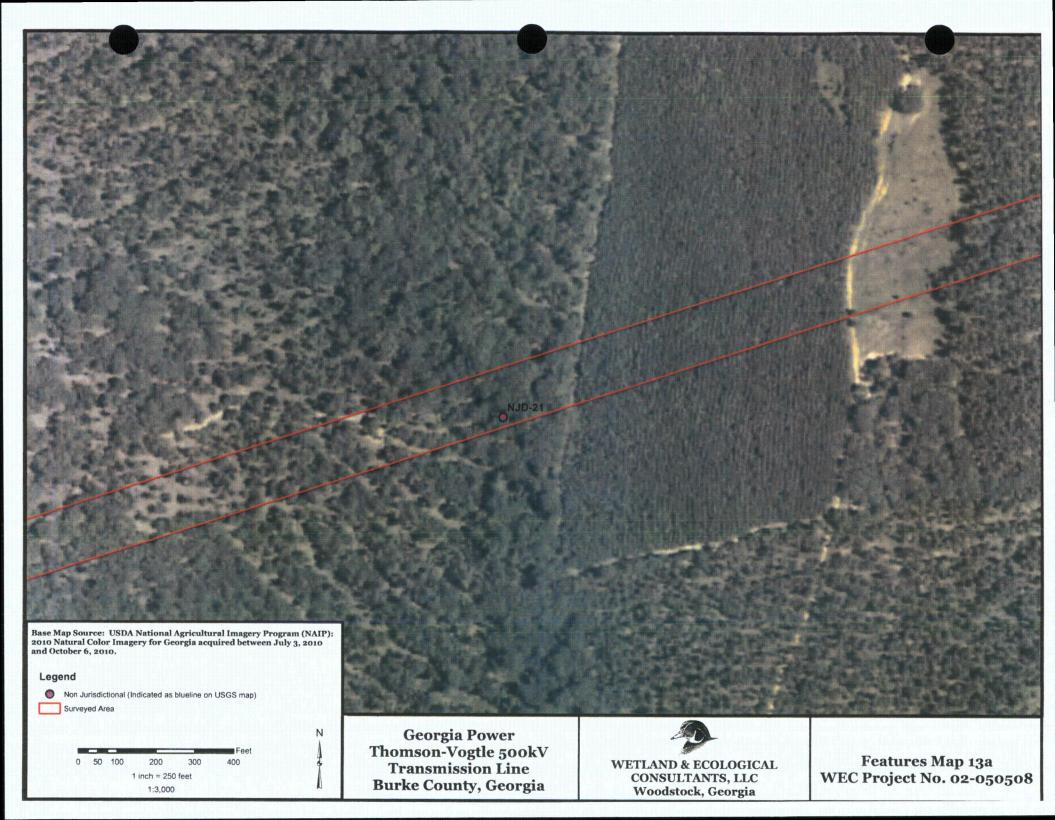


Feature No.: NJD-20	Map No.: 12c	Feature ID.: NJD-20	Type: Non Jurisdictional		
Date Surveyed: 07/19/2011	County: Burke	Acreage/Length: NA			

Comments: Non Jurisdictional Feature (indicated as blueline on USGS map).



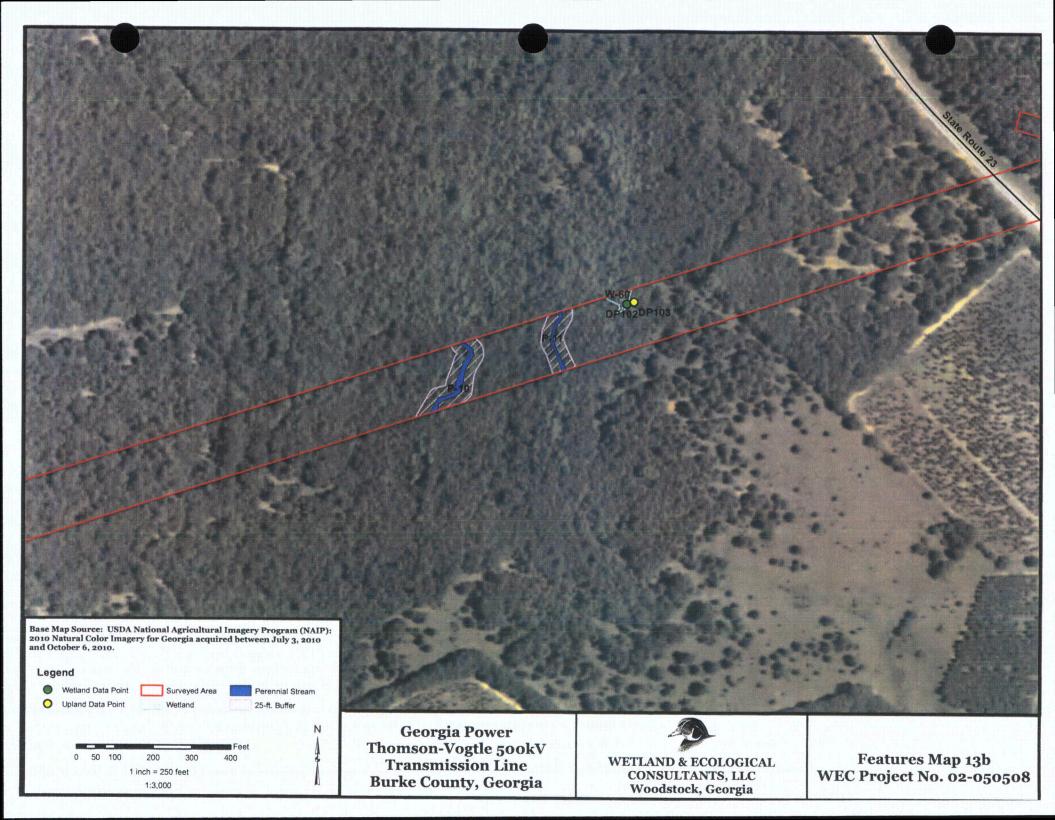




Feature No.: NJD-21	Map No.: 13a	Feature ID.: NJD-21	Type: Non Jurisdictional		
Date Surveyed: 07/19/2011	County: Burke	Acreage/Length: NA			

Comments: Non Jurisdictional Feature (indicated as blueline on USGS map).





Stream Feature Datasheet

Feature No.: P-10	Map No .: 13b	Feature ID.: 09pero1N	Type: Perennial	
Date Surveyed: 7/19/2011 County: Burke		Watershed: Middle Savannah		
8-Digit HUC1: 03060106		12-Digit HUC: 030601060506		
Acreage: 0.07 acre		Length: 235 linear-feet		
Substrate: Sand/Cobble Width ² : 6 - 8 feet		Depth3: 0.5 foot		



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

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

Date: 7/19/11 Project Site: Thomson-Vogtle Feature No: P-10 Evaluator: MEN & MDH County: Burke, GA Feature ID: 09pero1N **Parameter Scoring Category Numerical Score** A. Geomorphology 1. Continuity of bed and bank Moderate 2 2. Sinuosity of channel along thalweg Strong 3 3. In-channel structure: ex. riffle/pool sequence Strong 3 4. Particle size of stream substrate Strong 3 5. Active/relict floodplain Weak 1 6. Depositional bars or benches Moderate 7. Recent alluvial deposits Moderate 2 8. Headcuts Weak 1 9. Grade control Moderate 1 10. Natural valley or drainage way Strong 1.5 11. 2nd 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 Moderate 14. Leaf litter Weak 1 15. Sediment on plants or debris Absent 0 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 Weak 2 19. Rooted upland plants in streambed Absent 3 20. Macrobenthos Strong 3 21. Aquatic mollusks Absent 0 22. Fish Strong 1.5 23. Crayfish Strong 1.5 24. Amphibians Strong 1.5 Strong 1.5 26. Wetland plants in streambed (FACW=0.75; OBL=1.5; **FACW** 0.75 Other=o) **Total Points:** 46.25 Stream Type: Perennial

> Prepared by: <u>MDH;</u> Date: <u>3/23/2012</u> Checked by: <u>MEN</u> Date: <u>7/18/2012</u>

Stream Feature Datasheet

Feature No.: P-11	Map No .: 13b	Feature ID.: 09per02N	Type: Perennial	
Date Surveyed: 7/19/2011 County: Burke		Watershed: Middle Savannah		
8-Digit HUC1: 03060106		12-Digit HUC: 030601060506		
Acreage: 0.03 acre		Length: 165 linear-feet		
Substrate: Sand/Cobble/Gravel Width ² : 3 - 5 feet		Depth3: 3 – 5 inches		



 $^{^1}$ HUC – U.S. Geological Survey Hydrologic Unit Code 2 Width was measured in linear feet from Ordinary High-water Mark (OHWM) to OHWM. 3 Depth was measured 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> 7/19/11 <u>Project Site:</u> Thomson-Vogtle	Feature N	<u>o:</u> P-11	
Evaluator: MEN & MDH County: Burke, GA	Stream ID	<u>):</u> 09per02N	
Parameter	Scoring Category	Numerical Score	
A. Geomorphology			
Continuity of bed and bank	Moderate	2	
2. Sinuosity of channel along thalweg	Moderate	2	
3. In-channel structure: ex. riffle/pool sequence	Moderate	2	
4. Particle size of stream substrate	Strong	3	
5. Active/relict floodplain	Moderate	2	
6. Depositional bars or benches	Moderate	2	
7. Recent alluvial deposits	Weak	1	
8. Headcuts	Moderate	2	
9. Grade control	Strong	3	
10. Natural valley or drainage way	Strong	3	
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	Moderate	2	
14. Leaf litter	Moderate	0.5	
15. Sediment on plants or debris	Weak	0.5	
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	Weak	2	
19. Rooted upland plants in streambed	Absent	3	
20. Macrobenthos	Moderate	2	
21. Aquatic mollusks	Absent	o	
22. Fish	Absent	0	
23. Crayfish	Moderate	1	
24. Amphibians	Moderate	1	
25. Algae	Moderate	1	
26. Wetland plants in streambed (FACW=0.75; OBL=1.5; Other=0)	FACW	0.75	
Total Points:		42.75	
Stream Type:		Perennial	

Prepared by: <u>MDH;</u> Date: <u>3/23/2012</u> Checked by: <u>MEN</u> Date: <u>7/18/2012</u>

Wetland Feature Datasheet

Feature No.: W-60	Map No.: 13b	Feature ID.: 09wet02N	Type: Forested	
Date Surveyed: 7/19/2011	County: Burke	Watershed: Middle Savannah		
8-Digit HUC1: 03060106		12-Digit HUC: 030601060506		
Total Acreage: 0.04		Forested Acreage: 0.04		

Dominant Vegetation: Liriodendron tulipifera, Acer rubrum, Ilex opaca, Woodwardia areolata, Athyrium filix-femina, Bercemia scandens, Smilax laurifolia



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

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WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle	City/County: Bur	ke	Sampling Date: 7/19/2011
Applicant/Owner: Georgia Power Company	Okyrodanky:	State: GA	Sampling Point: DP102(W60)
nvestigator(s): MEN and MDH	Section Townshi	n Range:	Campling Form
andform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): LRR P		Long:	Datum:
Soil Map Unit Name:	· ————————	Long	faction:
Are climatic / hydrologic conditions on the site typical for this t			
Are Vegetation, Soil, or Hydrology sig			
Are Vegetation, Soil, or Hydrology nat	turally problematic?	(If needed, explain any answ	wers in Remarks.)
SUMMARY OF FINDINGS – Attach site map si	nowing sampling po	int locations, transec	ts, important features, etc.
Hydrophytic Vegetation Present? Yes No.			
Hydric Soil Present? Yes No	Is the San	npled Area	× No □
Wetland Hydrology Present? Yes X No	within a V	vetiand? Yes	No
Remarks:			
09wet02N			
HYDROLOGY			
Wetland Hydrology Indicators:	-113		cators (minimum of two required)
Primary Indicators (minimum of one is required; check all tha		party and a second	oil Cracks (B6)
	-Stained Leaves (B9) c Fauna (B13)		regetated Concave Surface (B8) Patterns (B10)
	eposits (B15) (LRR U)	Dramage 1	Lines (B16)
	gen Sulfide Odor (C1)		n Water Table (C2)
	ed Rhizospheres on Living	Busined	urrows (C8)
	nce of Reduced Iron (C4)	promp	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	t Iron Reduction in Tilled S	oils (C6) 📙 Geomorph	ic Position (D2)
	luck Surface (C7)		quitard (D3)
	(Explain in Remarks)	FAC-Neutr	al Test (D5)
Field Observations: Surface Water Present? Yes No Depth	· (inchas):		
Surface Water Present? Water Table Present? Yes No Depth Yes No Depth Depth	n (inches): 7		
Saturation Present? Yes No Depth		Wetland Hydrology Pres	ent? Yes 🗵 No
(includes capillary fringe)	I (Inches)	wettalid hydrology Pres	entr res No
Describe Recorded Data (stream gauge, monitoring well, ae	rial photos, previous insper	ctions), if available:	
Remarks:			

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size: _

2. Acer rubrum

2. Ilex opaca

4.

3. Nyssa sylvatica

1. Liriodendron tulipifera

2. Athyrium filix-femina

2. Smilax laurifolia

3.

Shrub Stratum (Plot size: _____)

Absolute Dominant Indicator

% Cover Species? Status

× FAC

× FAC

FAC

X FAC

× FAC

= Total Cover

_ = Total Cover

__ = Total Cover

× OBL

FAC

X

×

= Total Cover

FACW

FACW

_ = Total Cover

40

20

10

70

 $\frac{20}{20}$

40

3

8

3

6

	Sami	pling Point: DP	102
Т	Dominance Test worksheet:	piing romit.	
	Number of Dominant Species That Are OBL, FACW, or FAC:	8	_ (A)
	Total Number of Dominant Species Across All Strata:	8	_ (B)
	Percent of Dominant Species That Are OBL, FACW, or FAC:	100%	_ (A/B)
ł	Prevalence Index worksheet:		
	Total % Cover of:	Multiply by:	
		(1 =	
		(2 =	
	FAC speciesx	(3 =	
	FACU speciesx	(4 =	
	UPL species x	5 =	
	Column Totals: (/	A)	(B)
	Prevalence Index = B/A =		
	Hydrophytic Vegetation Indica Dominance Test is >50%	ators:	
	Prevalence Index is ≤3.0¹ Problematic Hydrophytic Ve	egetation ¹ (Exp	lain)
	¹ Indicators of hydric soil and we be present, unless disturbed or		must
t	Definitions of Vegetation Stra	ta:	
	Tree – Woody plants, excluding approximately 20 ft (6 m) or mo (7.6 cm) or larger in diameter at	re in height and	
	Sapling – Woody plants, exclude approximately 20 ft (6 m) or mothan 3 in. (7.6 cm) DBH.		
	Shrub – Woody plants, excludir approximately 3 to 20 ft (1 to 6 ii		,
	Herb – All herbaceous (non-wo herbaceous vines, regardless o plants, except woody vines, less 3 ft (1 m) in height.	f size. Includes	woody
	Woody vine – All woody vines,	regardless of h	eight.
-			
	Hydrophytic Vegetation Present? Yes	No	

Remarks:	(If observed,	list morphological	adaptations b	elow).

SOIL								s	ampling	Point: _)P102	2
Profile Desc	ription: (Describ	e to the de	epth needed to docu	ment the	indicator	or confir	m the absence					
Depth	Matrix			ox Feature								
(inches) 0 - 6	Color (moist) 5YR6/1	<u>%</u> 99	Color (moist) 5YR6/8	1	Type'	_Loc ²			Rem	arks		
6 - 11	5YR7/1	- 99	5YR5/8	- '			Sand					
11 - 15	5YR8/2	99 	51R5/8	- '		-	Rock	Likely lin	noston			
	31R0/2							Likely III		3		
					-		-					
		_,										
							-					
Hydric Soil		epletion, RI	M=Reduced Matrix, C	S=Covere	d or Coate	ed Sand G		ocation: PL= for Proble				ί.
Histosol			Polyvalue B	elow Surfa	ice (S8) (L	RR S. T.		Muck (A9) (I		, arre o	JII3 .	
Parent I	pipedon (A2)		Thin Dark S	urface (S9	(LRR S,	T, U)		Muck (A10)				
	stic (A3)		Loamy Mucl			(0)		ced Vertic (F	7 .			, ,
Section 1	en Sulfide (A4) d Layers (A5)		Loamy Gley Depleted Ma		(F2)			nont Floodpl				, S, T)
and the second s	Bodies (A6) (LRR	P. T. U)	Redox Dark		- 6)			alous Bright RA 153B)	Loanly	SOIIS (F2	20)	
and the same of th	icky Mineral (A7) (arent Mater	ial (TF2)			
	esence (A8) (LRR		Redox Depr		8)		The state of the s	Shallow Darl			(LRR	T, U)
general control of the control of th	ick (A9) (LRR P, T d Below Dark Surfa		Marl (F10) (Depleted Or		(MI PA 1	51)	Other	(Explain in I	Remarks)		
	ark Surface (A12)	acc (ATT)	Iron-Mangar				P, T) ³ Indi	cators of hyd	drophytic	vegeta	tion ar	nd
Coast P	rairie Redox (A16)	(MLRA 15	0A)Umbric Surf	ace (F13)	(LRR P, T			tland hydrol				
	Mucky Mineral (S1)	(LRR O, S	Additional property and the second se			04 4505		less disturbe	ed or prob	olematio	2.	
	Sleyed Matrix (S4) Redox (S5)		Reduced Ve									
Section 1	Matrix (S6)						RA 149A, 1530	C, 153D)				
	rface (S7) (LRR P											
	Layer (if observed	d):										
Type:	aboo):						Dondaia Cai	l Present?	V	×	Na	П
Depth (inc	cnes):						Hydric Soi	Present?	Yes _		NO	
Remarke:										Particular Section 1		
												1
Hydric per	standards of 198	37 manua	l.									

P		4 F		
ν	rir	۱T F	- Or	m
	1 11	16.1	O.	111

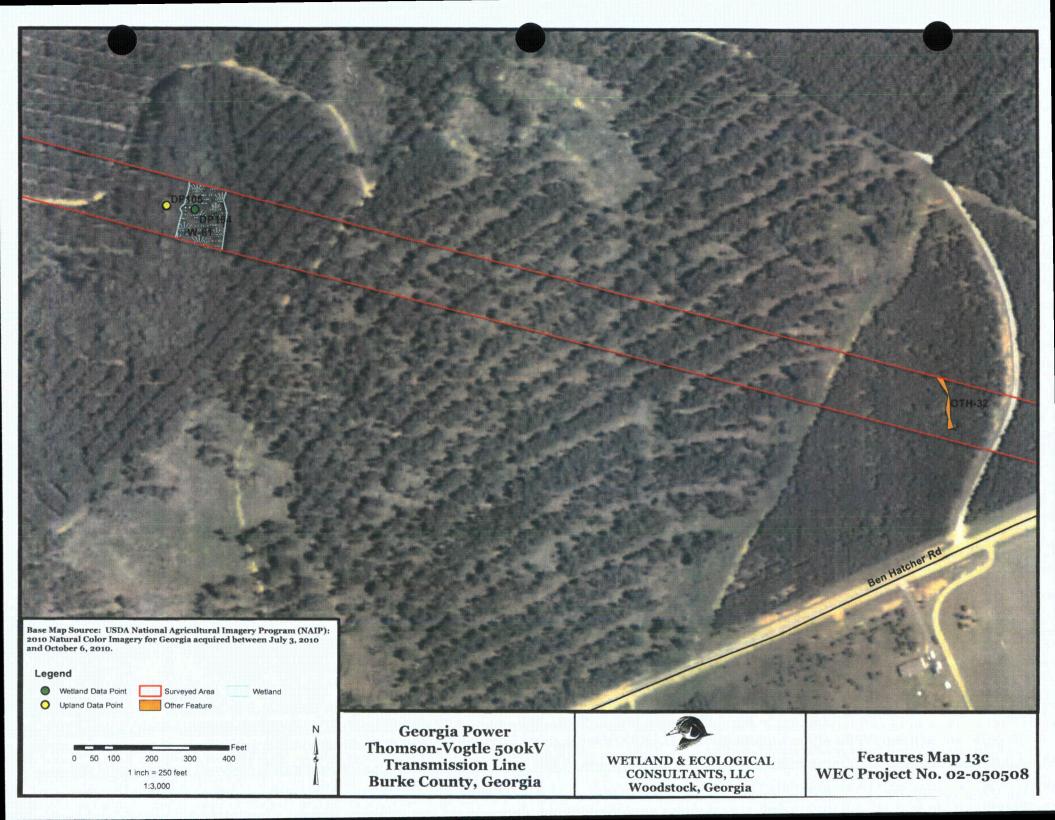
WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle		City/County: Burke		Sampling Date: 7/19/2011
Project/Site: Thomson-Vogtle Applicant/Owner: Georgia Power Comp	any	only, county.	State: GA	Sampling Point: DP103(W60
Investigator(s): MEN and MDH		Saction Township Dans	Otale.	Sampling Form,
Landform (hillslope, terrace, etc.):				
Subregion (LRR or MLRA): LRR P				
Soil Map Unit Name:				
Are climatic / hydrologic conditions on the site				
Are Vegetation, Soil, or Hydro				
Are Vegetation \Box , Soil \Box , or Hydro	ology naturally pro	oblematic? (If nee	ded, explain any ansv	vers in Remarks.)
SUMMARY OF FINDINGS – Attacl	n site map showing	sampling point lo	cations, transec	ts, important features, etc
Hydric Soil Present?	es No X es No X	Is the Sampled A		□ No 区
Remarks:	20 <u> </u>	1		
upland for 09wet02N				
HYDROLOGY				
Wetland Hydrology Indicators:				cators (minimum of two required)
Primary Indicators (minimum of one is requi	Prompt of the Pr		Present Comment	oil Cracks (B6)
Surface Water (A1)	Water-Stained		Basend	egetated Concave Surface (B8)
High Water Table (A2) Saturation (A3)	Aquatic Fauna Marl Deposits (Patterns (B10) Lines (B16)
Water Marks (B1)	Hydrogen Sulfi			n Water Table (C2)
Sediment Deposits (B2)	June .	spheres on Living Roots		urrows (C8)
Drift Deposits (B3)		educed Iron (C4)	powers	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		duction in Tilled Soils (Co	1	ic Position (D2)
Iron Deposits (B5)	Thin Muck Surf		The same of the sa	quitard (D3)
Inundation Visible on Aerial Imagery (B				al Test (D5)
Field Observations:		**************************************		
Surface Water Present? Yes	No Depth (inches			
Water Table Present? Yes	No Depth (inches):		, una de Trans, esta de juli
	No <u>X</u> Depth (inches): Wetl	and Hydrology Pres	ent? Yes No X
(includes capillary fringe) Describe Recorded Data (stream gauge, mo	onitoring well agricl photo	os provious inspections)	if available:	
Describe Recorded Data (stream gauge, mo	mitoring well, aerial prioto	os, previous irispections),	ii avallable.	
Remarks:				
Hydrologic indicators were not prese	nt.			
I mydrologic marcators were not press				

Troo Stratum (Plot size:		Dominant Species?		Dominance Test worksheet:
Tree Stratum (Plot size:) 1 Liriodendron tulipifera	10		FAC	Number of Dominant Species That Are OBL FACW or FAC: 8
Liquidambar styraciflua	20		FAC	That Are OBL, FACW, or FAC: 6 (A
*		- Property		Total Number of Dominant
3				Species Across All Strata: 9 (B
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 89% (A
3				
7.				Prevalence Index worksheet:
	30	= Total Cov		Total % Cover of: Multiply by:
Sapling Stratum (Plot size:)		- Total Cov	VCI	OBL species x 1 =
Liquidambar styraciflua	20		FAC	FACW species x 2 =
Quercus nigra	10		FAC	FAC species x 3 =
		-		FACU species x 4 =
3.				
1.		_ 닐		UPL species x 5 =
5.				Column Totals: (A) (
				Prevalence Index = B/A =
	30	= Total Cov	er	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)		- Total Cov	CI	Dominance Test is >50%
Vaccinium corymbosum	5		FACW	Prevalence Index is ≤3.0¹
''				Problematic Hydrophytic Vegetation ¹ (Explain)
2		-H		1 Troblematic Hydrophytic Vegetation (Explain)
3				
1.				Indicators of hydric soil and wetland hydrology mus
5.				be present, unless disturbed or problematic.
5.				Definitions of Vegetation Strata:
	5 .			Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:)	<u> </u>	= Total Cov	er	approximately 20 ft (6 m) or more in height and 3 in.
Herb Stratum(Plot size:) Chasmanthium sessiliflorum	15		FAC	(7.6 cm) or larger in diameter at breast height (DBH)
	 5		FACU	Sapling – Woody plants, excluding woody vines,
Asplenium platyneuron	— 3 ——	-		approximately 20 ft (6 m) or more in height and less
Elephantopus sp.			N/A	than 3 in. (7.6 cm) DBH.
Rubus argutus	1		FACU	Shrub – Woody plants, excluding woody vines,
5				approximately 3 to 20 ft (1 to 6 m) in height.
3.				
				Herb – All herbaceous (non-woody) plants, including
				herbaceous vines, regardless of size. Includes woo plants, except woody vines, less than approximately
3.				3 ft (1 m) in height.
)				
0				Woody vine – All woody vines, regardless of height
11.				
2.				
2	22	T-4-10-		
Noody Vine Stratum (Plot size:)		= Total Cov	C(
Vitis rotundifolia	3	П	FAC	
Smilax rotundifolia	$-\frac{3}{3}$		FAC	
Y 				
3.				
				Hydrophytic
5.				Vegetation
5	6 .	= Total Cov	or	

SOIL

Matrix color (moist) //R4/3 //R4/4 //	P, T, U) RR P, T, U) J) ME (A11) MIRA 150A) LRR O, S)	Color (moist) Reduced Matrix, CS Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye Depleted Ma Redox Dark s Depleted Dar Redox Depre Marl (F10) (L Depleted Ocl Iron-Mangan Umbric Surfa Delta Ochric Reduced Ver Piedmont Flo	elow Surface (S9) by Mineral (ed Matrix (F3) Surface (F6 rk Surface essions (F8 LRR U) hric (F11) (lesse Masse ace (F13) (II (F17) (MLI rtic (F18) (II codplain Sco	Type ¹ Type ¹ or Coated ce (S8) (LR (LRR S, T, (F1) (LRR C) (F7) (MLRA 151) MLRA 151) MLRA 150) oils (F19) (I	1) RR S, T, U O) 1) RR O, P, U) 0A, 150B)	Indicators J) 1 cm 2 cm Reduction Anom (ML Red F Very S Other T) 3Indi	Loamy Sand	e Lining, M=Matrix. c Hydric Soils³: O) R S) (outside MLRA 150A oils (F19) (LRR P, S, my Soils (F20) FF2) fface (TF12) (LRR T, I arks) nytic vegetation and must be present,
tration, D=Dep tors: In (A2) In (A2) In (A2) In (A2) In (A5) In (A6) (LRR P. In (A7) (LFR P. In (A7) (LFR P. In (A8) (LRR U. In (A8) (LRR U. In (A16) (Moreal (A16) (Moreal (A16) (Moreal (A16) (A16) (Moreal (A16)	100 100 100 100 100 100 100 100	Polyvalue Be Thin Dark Su Loamy Muck Loamy Gleye Depleted Ma Redox Dark S Depleted Dar Redox Depre Marl (F10) (L Depleted Ocl Iron-Mangan Umbric Surfa Delta Ochric Reduced Ver	elow Surface (S9) by Mineral (ed Matrix (F3) Surface (F6 rk Surface essions (F8 LRR U) hric (F11) (lesse Masse ace (F13) (II (F17) (MLI rtic (F18) (II codplain Sco	(F1) (LRR 5, T) (F1) (LRR 6) (F7) (MLRA 151) (MLRA 151) MLRA 150) (F19)	1) RR S, T, U O) 1) RR O, P, U) 0A, 150B)	L. Sand L.	Loamy Sand Cocation: PL=Pore For Problematic Muck (A9) (LRR Muck (A10) (LRR Cocd Vertic (F18) (Cont Floodplain S Calous Bright Loar RA 153B) Parent Material (T Challow Dark Sur (Explain in Remaination of the company of	e Lining, M=Matrix. c Hydric Soils³: O) R S) (outside MLRA 150A oils (F19) (LRR P, S, my Soils (F20) FF2) fface (TF12) (LRR T, I arks) nytic vegetation and must be present,
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Wetland Feature Datasheet

Feature No.: W-61 Map No.: 13c		Feature ID.: 10wet01N Type: Forested				
Date Surveyed: 8/15/2011 County: Burke		Watershed: Middle Savannah				
8-Digit HUC1: 03060106		12-Digit HUC: 03060106	0507			
Total Acreage: 0.39		Forested Acreage: 0.39				

Dominant Vegetation: Liquidambar styraciflua, Acer rubrum, Campsis radicans, Smilax rotundifolia



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

Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Applicant/Owner: Georgia Power Company State: GA Sampling Point: DP104/(Investigator(s): MEN and SEC Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%):	Project/Site: Thomson-Vogtle		City/County. Burk	ке		Sampling Date	8/15/2011
Investigator(s): MEN and SEC Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%): Subregion (LRR or MLRA): LRR P Lat: Long: Datum: Soli Map Unit Name: NWI classification: NWI classification: Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.) Are Vegetation Soli or Hydrology alsignificantly disturbed? Are "Normal Circumstances" present? Yes No Are Vegetation Soli or Hydrology anaturally 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 Wetland Hydrology Present? Yes No	Applicant/Owner: Georgia Power Company	у	City/ County:	State	. GA	Sampling Point	DP104(W61
Landform (hillslope, letrace, etc.): Local relief (concave, convex, none): Slope (%): Subregion (LRR or MLRA): LRR P Lat: Long: Datum: Soil Map Unit Name: 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 anaturally problematic? (If needed, explain any answers in Remarks.) Are Vegetation Soil or Hydrology anaturally 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 Wetland Hydrology Present? Yes No Wetland Hydrology Present? Yes No Surface Soil Present? Yes No Surface (Bill that apply) Surface Soil Cracks (B6) HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) Surface Water (A1) Aquatic Fauna (B13) Surface Soil Cracks (B6) Saturation (A3) Mari Deposits (B15) (LRR U) Moss Tim Lines (B16) Water Marks (B1) Aquatic Fauna (B15) Secondary Indicators (minimum of two required) Moss Tim Lines (B16) Drainage Patterns (B10) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Crayfish Burrows (C8) Drain Deposits (B3) Presence of Reduced fron (C4) Saturation Visible on Aerial Imagery (C9 Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) FAC-Neutral Test (D5)	Investigator(s): MEN and SEC		Section Township	Pange:	٠,	, cumping round	
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(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:				L.,			
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Remarks:							

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size:) 1 Liquidambar styraciflua		Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
Acer rubrum	30		FAC	That Are OBL, FACW, or FAC: 0 (A)
				Total Number of Dominant Species Across All Strata: 6 (B)
				Percent of Dominant Species That Are OBL FACW or FAC: 100%
				That Are OBL, FACW, or FAC: 100% (A)
				Prevalence Index worksheet:
	60	= Total Cov	/er	Total % Cover of: Multiply by:
apling Stratum (Plot size:)				OBL species x 1 =
Liquidambar styraciflua	10		FAC	FACW species x 2 =
Acer rubrum	10	×	FAC	FAC species x 3 =
				FACU species x 4 =
				UPL species x 5 =
				Column Totals: (A) (
				Prevalence Index = B/A =
	20			Hydrophytic Vegetation Indicators:
hrub Stratum (Plot size:)		= Total Cov	er	▼ Dominance Test is >50%
				Prevalence Index is ≤3.0¹
				Problematic Hydrophytic Vegetation¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology mus
				be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants, excluding woody vines,
lerb Stratum (Plot size:)		= Total Cov	er	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH)
Carex sp.	10		N/A	Sapling – Woody plants, excluding woody vines,
		- Immil		approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
				Shrub – Woody plants, excluding woody vines, 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 ft (1 m) in height.
				Woody vine – All woody vines, regardless of height.
D				woody vine – All woody vines, regardless of height.
1				
2.	10 .			
Voody Vine Stratum (Plot size:)	10 :	= Total Cov	er	
Campsis radicans	1	×	FAC	
Smilax rotundifolia	-	×	FAC	
Simax rotundiona				
				Hydrophytic
1	2	Total Cov	er	Vegetation Present? Yes No
				4

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, U) Thin Depleted Dark Surface (F6) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S3) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Stripped Matrix (S6) Depleted Dark Surface (F13) (LRR P, T, U) Depleted Ochric (F17) (MLRA 151) Thick Dark Surface (S7) (LRR P, S, T, U) Redox Dark Surface (F13) (LRR P, T, U) Depleted Ochric (F17) (MLRA 151) Fredmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 1536) Type: Type:	Remarks Clay Loam Docation: PL=Pore Lining, M=Matrix. Sofor Problematic Hydric Soils ³ :
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Type: C=Concentration RM=Reduced Matrix, CS=Covered or Coa	ocation: PL=Pore Lining, M=Matrix.s for Problematic Hydric Soils³:
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Yodric Soil Indicators:	ocation: PL=Pore Lining, M=Matrix.s for Problematic Hydric Soils³:
Addric Soil Indicators: 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 U) 1 Cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thic Dark Surface (F6) Mari (F10) (LRR U) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Sestrictive Layer (if observed): Type: Depth (inches): Hydric Soi	for Problematic Hydric Soils ³ :
Adric Soil Indicators: 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 U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thin Dark Surface (F1) Meck Presence (A8) (LRR U) 1 cm Muck (A9) (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) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Sestrictive Layer (if observed): Type: Depth (inches): Indicator Polyvalue Below Surface (S8) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 2 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 2 cm Reduce (S9) (LRR O,) Reduce (S9) (LRR O, E) I camy Mucky Mineral (F1) (LRR O) I camy Mucky Mineral (F1) (LRR O) I camy Gleyed Matrix (F2) I camy Gleyed Matrix (F10) (LRR O, I) I camy Gleyed Matrix (F10) (LRR	for Problematic Hydric Soils ³ :
Adric Soil Indicators: 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 U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thin Dark Surface (F1) Meck Presence (A8) (LRR U) 1 cm Muck (A9) (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) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Sestrictive Layer (if observed): Type: Depth (inches): Indicator Polyvalue Below Surface (S8) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 2 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 2 cm Reduce (S9) (LRR O,) Reduce (S9) (LRR O, E) I camy Mucky Mineral (F1) (LRR O) I camy Mucky Mineral (F1) (LRR O) I camy Gleyed Matrix (F2) I camy Gleyed Matrix (F10) (LRR O, I) I camy Gleyed Matrix (F10) (LRR	for Problematic Hydric Soils ³ :
Adric Soil Indicators: 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 U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thin Dark Surface (F1) Meck Presence (A8) (LRR U) 1 cm Muck (A9) (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) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Sestrictive Layer (if observed): Type: Depth (inches): Indicator Polyvalue Below Surface (S8) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 2 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 2 cm Reduce (S9) (LRR O,) Reduce (S9) (LRR O, E) I camy Mucky Mineral (F1) (LRR O) I camy Mucky Mineral (F1) (LRR O) I camy Gleyed Matrix (F2) I camy Gleyed Matrix (F10) (LRR O, I) I camy Gleyed Matrix (F10) (LRR	for Problematic Hydric Soils ³ :
Adric Soil Indicators: 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 U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thin Dark Surface (F1) Meck Presence (A8) (LRR U) 1 cm Muck (A9) (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) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Sestrictive Layer (if observed): Type: Depth (inches): Indicator Polyvalue Below Surface (S8) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 1 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 2 cm Polyvalue Below Surface (S9) (LRR S, T, U) I 2 cm Reduce (S9) (LRR O,) Reduce (S9) (LRR O, E) I camy Mucky Mineral (F1) (LRR O) I camy Mucky Mineral (F1) (LRR O) I camy Gleyed Matrix (F2) I camy Gleyed Matrix (F10) (LRR O, I) I camy Gleyed Matrix (F10) (LRR	for Problematic Hydric Soils ³ :
Veric Soil Indicators: 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 U) 1 Cm Muck (A9) (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 (S6) Dark Surface (S7) (LRR P, S, T, U) Polyvalue Below Surface (S8) (LRR S, T, U) Thin Dark Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O) Redox Dark Surface (F3) Redox Dark Surface (F6) Marl (F10) (LRR U) Depleted Dark Surface (F7) Red of Strainie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Polyvalue Below Surface (S9) (LRR S, T, U) Loamy Mucky Mineral (F1) (LRR O) Redox Dark Surface (F3) Redox Dark Surface (F6) Marl (F10) (LRR U) Depleted Dark Surface (F7) Red of Marlix (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jelta Ochric (F17) (MLRA 150A) Anomalous Bright Loamy Soils (F20) (MLRA 149A) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Poleta Ochric (F18) (MLRA 150A) Anomalous Bright Loamy Soils (F20) (MLRA 149A)	for Problematic Hydric Soils ³ :
Histosol (A1)	for Problematic Hydric Soils ³ :
Histosol (A1)	for Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 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) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soi	
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Stratified Layers (A7) (LRR P, T, U) Stratified Layers (A8) Organic Bodies (A6) (LRR P, T, U) Stratified Layers (A8) Organic Bodies (A6) (LRR P, T, U) Stratified Layers (A8) Organic Bodies (A6) (LRR P, T, U) Stratified Layers (A8) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Redox Dark Surface (F6) Muck Presence (A8) (LRR U) Redox Depressions (F8) Very I cm Muck (A9) (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 Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Petrictive Layer (if observed): Type: Depth (inches): Hydric So	Muck (A9) (LRR O)
Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) 1 cm Muck (A9) (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) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Loamy Mucky Mineral (F1) (LRR O) Loamy Gleyed Matrix (F2) Piedro Anom Redox Darks (F3) Redox Dark Surface (F6) (ML Redox Dark Surface (F7) Redox Depressions (F8) Very Other Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Webstrictive Layer (if observed): Type: Depth (inches): Hydric So	Muck (A10) (LRR S)
Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (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 Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Loamy Gleyed Matrix (F2) Piedr Anom Anom (MI Redox Dark Surface (F7) Red R Wery Other Depleted Dark Surface (F7) Depleted Dark Surface (F7) I Redox Depressions (F8) Very Other Other Other Depleted Ochric (F11) (MLRA 151) IIron-Manganese Masses (F12) (LRR O, P, T) Were Wery Other O	ced Vertic (F18) (outside MLRA 150)
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Dark Surface (F6) Marl (F10) (LRR U) Depleted Dark Surface (F7) Red Red Red Red Surface (A9) Narl (F10) (LRR U) Depleted Dark Surface (F7) Red	nont Floodplain Soils (F19) (LRR P, S
Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (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 Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Redox Dark Surface (F6) (ML Redox Dark Surface (F6) (ML Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Derressions (F8) Very Other Very Other Very Other Very Other Very Other Very Other Other Narl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Umbric Surface (F12) (LRR O, P, T) We Very Other Other Narl (F10) (LRR U) Depleted Oark Surface (F6) (ML RA 151) Umbric Surface (F13) (LRR P, T, U) We Surface (F13) (LRR P, T, U) We Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 1536) Hydric Soil	alous Bright Loamy Soils (F20)
5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (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 Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depleted Dark Surface (F7) Red ox Depressions (F8) Very Very Other Ocher Very Other Ocher Narl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) We Surface (F13) (LRR P, T, U) We Surface (F13) (LRR P, T, U) Peleta Ochric (F17) (MLRA 151) Red ox Depressions (F8) Very Other Ocher Narl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) We Surface (F13) (LRR P, T, U) We Surface (F13) (LRR P, T, U) Peleta Ochric (F17) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 1530) Strictive Layer (if observed): Type: Depth (inches): Hydric Soi	RA 153B)
Muck Presence (A8) (LRR U) 1 cm Muck (A9) (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 Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jumbric Surface (F13) (LRR P, T, U) We are a surface (F13) (MLRA 151) We are a surface (F13) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 1536) Hydric Soil	Parent Material (TF2)
1 cm Muck (A9) (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 Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (if observed): Type: Depth (inches): Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Jeft and Cohric (F13) (LRR P, T, U) We are all the companies of the companie	Shallow Dark Surface (TF12) (LRR T,
Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Iron-Manganese Masses (F12) (LRR O, P, T) We we we will be provided in the company of the company o	(Explain in Remarks)
Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Umbric Surface (F13) (LRR P, T, U) We W	
Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Delta Ochric (F17) (MLRA 151) Reduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 1536) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil	cators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 1530) Park Surface (S7) (LRR P, S, T, U) Park Surface (S7) (LRR P, S, T, U) Prestrictive Layer (if observed): Type: Depth (inches): Hydric Soil	tland hydrology must be present,
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Sol	less disturbed or problematic.
Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (if observed): Type: Depth (inches): Hydric So	
Depth (inches): Hydric So	
Strictive Layer (if observed): Type: Depth (inches): Hydric So	C, 153D)
Type: Depth (inches): Hydric So	
Depth (inches): Hydric So	
	Present? Yes 🗵 No
	Present? Yes X No

Print Form	

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle	City/0	County: Burke		Sampling Date: 8/15/2011
Project/Site: Thomson-Vogtle Applicant/Owner: Georgia Power Company	у,		State: GA	Sampling Point: DP105(W61)
nvestigator(s): MEN and SEC	Sect	ion Township Range	Oldic.	_ camping round.
_andform (hillslope, terrace, etc.):				
Subregion (LRR or MLRA): LRR P				
Soil Map Unit Name:				ication:
re climatic / hydrologic conditions on the site typ				
re Vegetation, Soil, or Hydrolog				
re Vegetation $\underline{\hspace{1.5cm}}$, Soil $\underline{\hspace{1.5cm}}$, or Hydrolog	y naturally problem	natic? (If needed,	explain any answ	ers in Remarks.)
UMMARY OF FINDINGS - Attach s	ite map showing sar	mpling point location	ons, transect	s, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Yes _ Wetland Hydrology Present? Yes _	No X	Is the Sampled Area within a Wetland?	Yes	□ No ×
Remarks:		1		
pland for 10wet01N				
dand for Towelo IIV				
YDROLOGY				
Vetland Hydrology Indicators:			Secondary India	cators (minimum of two required)
Primary Indicators (minimum of one is required;	check all that apply)		Surface So	il Cracks (B6)
Surface Water (A1)	Water-Stained Leave	es (B9)	Sparsely Ve	egetated Concave Surface (B8)
High Water Table (A2)	Aquatic Fauna (B13)		Drainage P	atterns (B10)
Saturation (A3)	Marl Deposits (B15)			Lines (B16)
Water Marks (B1)	Hydrogen Sulfide Oc		Total Control	Water Table (C2)
Sediment Deposits (B2)	general	res on Living Roots (C3)	Emercial	
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduce	on in Tilled Soils (C6)		Visible on Aerial Imagery (C9) c Position (D2)
Iron Deposits (B5)	Thin Muck Surface (Shallow Aq	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Re		leaned .	al Test (D5)
eld Observations:				
urface Water Present? Yes No	X Depth (inches):			
/ater Table Present? Yes No	Depth (inches):			
aturation Present? Yes No	Depth (inches):		Hydrology Prese	ent? Yes No X
cludes capillary fringe)				
escribe Recorded Data (stream gauge, monito	oring well, aerial photos, pre	evious inspections), if ava	allable:	
Romarks:				
Hydrologic indicators were not present.				

VEGETATION – Use scientific names of plants.

% Cover 25	Species?	Status	
	×	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
			Total Number of Dominant Species Across All Strata: 7 (B)
			Opedies Adi Oss Ali Ottata. (B)
			Percent of Dominant Species That Are ORL FACW or FAC: 71%
			That Are OBL, FACW, or FAC: 71% (A/I
	一百		Prevalence Index worksheet:
25	- Total Car		Total % Cover of: Multiply by:
	= Total Cov	/er	OBL species x 1 =
15	×	FAC	FACW species x 2 =
			FAC species x 3 =
	The same of		FACU species x 4 =
			UPL species x 5 =
			Column Totals: (A) (E
			Column Totals (A) (E
			Prevalence Index = B/A =
15			Hydrophytic Vegetation Indicators:
10 =	Total Cov	er	Dominance Test is >50%
10	X	FACU	Prevalence Index is ≤3.0 ¹
	- Innered		Problematic Hydrophytic Vegetation¹ (Explain)
			Troblematic riyurophytic vegetation (Explain)
			her a great management
			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			be present, unless distarbed of problematic.
			Definitions of Vegetation Strata:
			Tree – Woody plants, excluding woody vines,
10 =	Total Cov	er	approximately 20 ft (6 m) or more in height and 3 in.
40	_	E40	(7.6 cm) or larger in diameter at breast height (DBH).
			Sapling – Woody plants, excluding woody vines,
_ 3	×	FACU	approximately 20 ft (6 m) or more in height and less
			than 3 in. (7.6 cm) DBH.
			Shrub – Woody plants, excluding woody vines,
			approximately 3 to 20 ft (1 to 6 m) in height.
			Harb All barbassaus (san woody) plants including
			Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes wood
			plants, except woody vines, less than approximately
			3 ft (1 m) in height.
	一百		Woody vine – All woody vines, regardless of height.
	一百		
	一片		
13			
10 =	Total Cov	er	
10	×	FAC	
	ㅡ∺		
	<u> </u>		
		13/74	Hydrophytic
			Vegetation
28 =	Total Cove	er	Present? Yes X No X
	25 15 10 10 3 10 5 8 5	25 = Total Cov 15	25 = Total Cover 15

Sampling Point: DP105

SOIL

Carl -	Matrix		Redox	Feature	S					
(inches)	Color (moist)	%	Color (moist)	%		Loc ²	Texture		Remarks	
0 - 4	10YR6/3	100					S. Loam	Sandy Lo	oam	
l - 18	10YR6/8	100					S. Loam	Sandy Lo	oam	
Histose Torgani 5 cm M Muck F 1 cm M Deplete Thick I Coast Sandy Sandy Sandy Strippe	Concentration, D=Deplindicators: Indicators: Indicators	P, T, U) RR P, T, U) U) CE (A11) MLRA 150A (LRR O, S)	Polyvalue Be Thin Dark Su Loamy Mucky Loamy Gleye Depleted Mat Redox Dark S Depleted Dar Redox Depre Marl (F10) (L Depleted Och Iron-Mangane Umbric Surfa Delta Ochric Reduced Ver Piedmont Flo	low Surface (S9 / Mineral d Matrix (F3) Surface (F k Surface (F k Surface (F11) See Mass (F17) (ML (F17) (ML (F18) (odplain S	ce (S8) (L) (LRR S, (F1) (LRR (F2) = (F7) 8) (MLRA 15 es (F12) (I (LRR P, T, LRA 151) (MLRA 15 eoils (F19)	RR S, T, U T, U) O) S1) LRR O, P, U) OA, 150B) (MLRA 14	Indicators J) 1 cm 2 cm Reduction Reduction Red F Very S Other T) 3Indi we un	Docation: PL= S for Probler Muck (A9) (L Muck (A10) (Cod Vertic (F nont Floodpla alous Bright RA 153B) Parent Materi Shallow Dark (Explain in F cators of hyd titland hydrolo less disturbe	matic Hydric RR O) LRR S) 18) (outside hin Soils (F19 Loamy Soils al (TF2) Surface (TF Remarks) rophytic vegogy must be p	MLRA 1500 (HRR P, S) (LRR P, S) (F20)
estrictive	Layer (if observed)):								
Depth (i	nches):						Hydric Soi	I Present?	Yes [] No
ydric soil	indicators not pre	esent.								

Feature No.: OTH-32	Map No.: 13c	Feature ID.: 100th01N	Type: Wet-weather Drainage
Date Surveyed: 8/15/2011	County: Burke	Acreage/Length: 138 linear-feet	

Comments: Drainage ditch

