

Wetland Feature Datasheet

Section No.: W-55 Map No.: 11c		Feature ID.: 08weto3N Type: Forested				
Date Surveyed: 7/06/2011	County: Burke	Watershed: Brier				
8-Digit HUC1: 03060108		12-Digit HUC: 030601080302				
Total Acreage: 1.27		Forested Acreage: 1.27				

Dominant Vegetation: Liriodendron tulipifera, Acer rubrum, Magnolia virginiana, Carpinus caroliniana, Sabal minor, Leucothoe axillaris

Comments:



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

Applicant/Owner: Georgia Power Company Investigator(s): MEN and MWW Section, Township, Range: Landform (hillslope, terrace, etc.): Local relief (concave, convex, none): Slope (%): Subregion (LRR or MLRA): LRR P Lat: Long: 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 Vegetation Soil or Hydrology naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Yes: No Is the Sampled Area within a Wetland? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Water (A1) Hydrology Mater fable (A2) Hydrology Mater Marks (B1) Agail Mat or Crust (B4) In Deposits (B3) Agail Mat or Crust (B4) In Deposits (B3) Agail Mat or Crust (B4) In Deposits (B5) In Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Wetland Hydrology Present? Yes: No Depth (inches) Yes: No Depth (Project/Site: Thomson-Vogtle	City/County: Burke	•	Sampling Date: 7/6/2011
Investigator(s) MEN and MWW Section, Township, Range Landform (hillslope, terrace, etc.):	Applicant/Owner Georgia Power Company		State: GA	Sampling Point DP94(W-55
Landform (hillslope, terrace, etc.): Subregion (LRR or MLRA). LRR P Lat: Long: NWI classification: Are climate / 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 'Normal Circumstances' present? Yes No No Are Vegetation Soil or Hydrology naturally problematic? SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, ee Hydrolopytic Vegetation Present? Hydrophytic Vegetation Present? Hydrolopytic Vegetation Present? Hydrology Present? Wetland Hydrology Indicators: Primary Indicators (minimum of one is required, check all that apply) Surface Water (A1) Surface Water (A1) Hydrology Indicators: Hydrology Indicators (minimum of one is required, check all that apply) Water Marks (B1) Surface Water (A1) Hydrology Indicators (minimum of one is required, check all that apply) Water Marks (B1) Hydrology Indicators (minimum of one is required, check all that apply) Water Marks (B1) Hydrology Indicators (minimum of one is required, check all that apply) Water Marks (B1) Hydrology Indicators (minimum of one is required, check all that apply) Water Marks (B1) Hydrology Indicators (minimum of one is required, check all that apply) Water Marks (B1) Hydrology Indicators (minimum of one is required, check all that apply) Water Marks (B1) Hydrology Indicators (minimum of one is required, check all that apply) Water Marks (B1) Hydrology Indicators (minimum of two required in the primary indicators (Investigator(s): MEN and MWW	Section Township	Range:	_ = ===================================
Subregion (LRR or MLRA): LRR P				
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		ith (inches):	Wetland Hydrology Prese	ent? Yes Wo L
		erial photos, previous inspecti	ons), if available:	
Pomarks:	Remarks:			

	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)		Species? Status	Number of Dominant Species
1. Liriodendron tulipifera	25	FAC	That Are OBL, FACW, or FAC: 7 (A)
2. Liquidambar styraciflua	5	FAC	Total Number of Dominant
3. Acer rubrum	10	X FAC	Species Across All Strata: 7 (B)
4. Nyssa sylvatica	5	FAC	D
5. Nyssa biflora	5	OBL	Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)
6.			
7.			Prevalence Index worksheet:
	50	= Total Cover	Total % Cover of: Multiply by:
Sapling Stratum (Plot size:)		- Total Gover	OBL species x 1 =
1. Ilex opaca	5	▼ FAC	FACW species x 2 =
2. Carpinus caroliniana	3	▼ FAC	FAC species x 3 =
3.			FACU species x 4 =
4.			UPL species x 5 =
5			Column Totals: (A) (B)
		T T	(b)
6		—— 岩 ———	Prevalence Index = B/A =
7			Hydrophytic Vegetation Indicators:
Chrish Ctratum (Diataire)	0	= Total Cover	Dominance Test is >50%
Shrub Stratum (Plot size:) 1 Sabal minor	5	× FACW	Prevalence Index is ≤3.0¹
2 Magnolia caroliniana	— 5 ——	FACW	
			Problematic Hydrophytic Vegetation ¹ (Explain)
3		— <u></u>	
4			¹ Indicators of hydric soil and wetland hydrology must
5			be present, unless disturbed or problematic.
6			Definitions of Vegetation Strata:
7.			
	10	= Total Cover	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
Herb Stratum (Plot size:)		Total Cover	(7.6 cm) or larger in diameter at breast height (DBH).
1. Leucothoe axillaris	25	▼ FACW	
2 Woodwardia areolata	5	OBL	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
3 Mitchella repens	2	FACU	than 3 in. (7.6 cm) DBH.
		\overline{n}	
4		T i	Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
5		一青一	approximately 3 to 20 ft (1 to 6 ff) if fleight.
6		— <u></u>	Herb – All herbaceous (non-woody) plants, including
7	— ——	— <u></u>	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.			
	32	= Total Cover	
Woody Vine Stratum (Plot size:)		7 0101 00 701	
1			
2			
3			
4		-H-	Hydrophytic
5			Vegetation
		= Total Cover	Present? Yes X No X
Remarks: (If observed, list morphological adaptations b	pelow).		

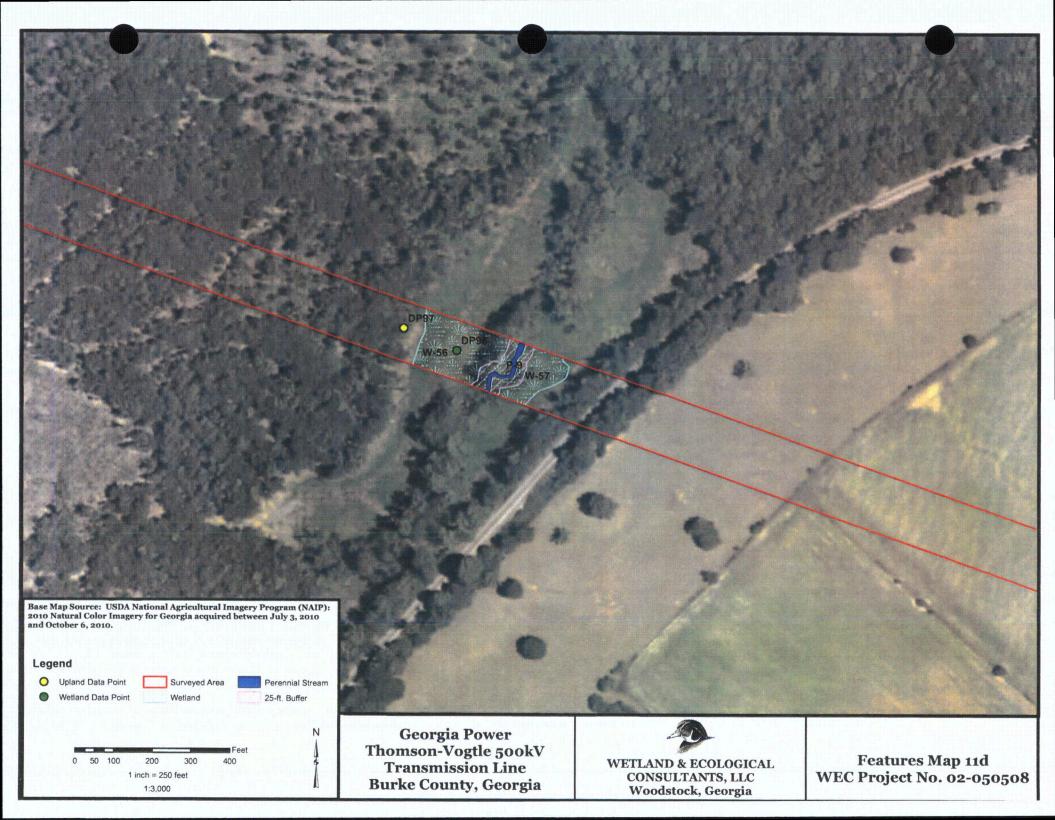
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•	r 1		
J	u	-	

	Matrix	0/	Redo	0,	- 1	1 - 2	. .		
inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture		narks
- 18	10YR2/1	_ 100 _		:			M. S. L.	Mucky Sandy I	Loam
							. 2.		
	Concentration, D=De	pletion, RM=R	Reduced Matrix, C	S=Covered	or Coated	d Sand G		ocation: PL=Pore Li	
1	I Indicators:		П-					s for Problematic H	lydric Soils':
Histoso	. ,		Polyvalue Be	elow Surface	e (S8) (LI	RR S, T, I		Muck (A9) (LRR O)	
4	Epipedon (A2)		Thin Dark Su					Muck (A10) (LRR S)	
	Histic (A3)		Loamy Muck			0)		ced Vertic (F18) (ou	
	en Sulfide (A4)		Loamy Gleye		2)			nont Floodplain Soils	
	ed Layers (A5)		Depleted Ma					alous Bright Loamy	Soils (F20)
	c Bodies (A6) (LRR		Redox Dark		<u> </u>			RA 153B)	
	lucky Mineral (A7) (L		Depleted Da					Parent Material (TF2)	
	Presence (A8) (LRR		Redox Depre)			Shallow Dark Surfac	
	luck (A9) (LRR P, T)		Mari (F10) (L Depleted Oc		MI DA 45	4)	Uther	(Explain in Remarks	S)
	ed Below Dark Surfa Dark Surface (A12)	ce (ATT)	Iron-Mangan				T) ³ Indi	actors of budyanhuti	a vecateties and
	Prairie Redox (A16)	(MI DA 150A)	IYI	ese Masses	DD D T	.KK U, P,		cators of hydrophytic	
	Mucky Mineral (S1)		Delta Ochric	(E17) (MI E	.KK F, I,	U)		less disturbed or pro	
	Gleyed Matrix (S4)	(LKK 0, 3)	Reduced Ve			150R		less disturbed or pro	Diematic.
	Redox (S5)		Piedmont Flo						
	d Matrix (S6)						A 149A, 1530	1520)	
-		S T III	Anomalous I	Jilgili Loaili	y Solis (i	20) (WILI	A 143A, 133C	2, 1000)	
Dark S	unace (5/) (LRR P.								
	urface (S7) (LRR P,):							
strictive	Layer (if observed):					k		
strictive	Layer (if observed):					Hudria Sai	I Propent? Vee	N No F
Type: Depth (ir	Layer (if observed):					Hydric Soi	I Present? Yes _	× No [
strictive	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 (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 (ir	Layer (if observed):			3 .		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 (ir	Layer (if observed):					Hydric Soi	I Present? Yes _	⊠ No
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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
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strictive Type: Depth (ir	Layer (if observed):					Hydric Soi	I Present? Yes _	No E
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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 E
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_

Project/Site: Thomson-Vogtle	City/0	County: Burke		Sampling Date: 7/6/2011
Project/Site: Thomson-Vogtle Applicant/Owner: Georgia Power Compan	у		State: GA	Sampling Point: DP95(W-55)
nvestigator(s): MEN and MWW	Secti	on Township Pange:	State.	Camping Cont.
_andform (hillslope, terrace, etc.):				
Subregion (LRR or MLRA): LRR P	Lat:	Long:		Datum:
Soil Map Unit Name:				fication:
Are climatic / hydrologic conditions on the site ty	pical for this time of year?	res No D	(If no, explain in	Remarks.)
Are Vegetation $\underline{\hspace{0.1in}}$, Soil $\underline{\hspace{0.1in}}$, or Hydrolog	y significantly distu	rbed? Are "Normal	Circumstances	" present? Yes 🗵 No
Are Vegetation, Soil, or Hydrolog				
SUMMARY OF FINDINGS – Attach s				
			,	- Tourist Tourist, Otto
Hydrophytic Vegetation Present? Yes_	No X	Is the Sampled Area		
	No X	within a Wetland?	Yes	No X
Wetland Hydrology Present? Yes _ Remarks:	NO	l .		
ivernarks.				
upland for 08wet03N				
HYDROLOGY				
Wetland Hydrology Indicators:				cators (minimum of two required)
Primary Indicators (minimum of one is required	[mm]		lumina.	oil Cracks (B6)
Surface Water (A1)	Water-Stained Leave			egetated Concave Surface (B8)
High Water Table (A2)	Aquatic Fauna (B13)			Patterns (B10)
Saturation (A3) Water Marks (B1)		A		Lines (B16)
Sediment Deposits (B2)		res on Living Roots (C3)	Parent Laboratory Control of Cont	n Water Table (C2) urrows (C8)
Drift Deposits (B3)	Presence of Reduce		Bound	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		on in Tilled Soils (C6)		ic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (President Control of C	quitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Re		Beauti.	al Test (D5)
Field Observations:				
Surface Water Present? Yes No	Depth (inches):			
Water Table Present? Yes No	Depth (inches):			
	Depth (inches):		lydrology Pres	ent? Yes No 🗵
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monit	oring well, aerial photos, pre	evious inspections), if ava	ilable:	
Remarks:				
Hydrologic indicators were not present				

	Absolute D	ominant Indicator	Dominance Test worksheet:		
ee Stratum (Plot size:) Pinus taeda	% Cover S	Species? Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC	: 4	_ (A
			Total Number of Dominant Species Across All Strata:	5	_ (B
			Percent of Dominant Species That Are OBL, FACW, or FAC	80%	_ (A
		_	Prevalence Index worksheet		
			Total % Cover of:		
apling Stratum (Plot size:)	<u> </u>	fotal Cover	OBL species		
Quercus laurifolia	20	▼ FACW	FACW species		
			FAC species		
			FACU species		
			UPL species		
			Column Totals:		
		一一	Prevalence Index = B/A	=	
	20 _{= T}	otal Cover	Hydrophytic Vegetation Indi	cators:	
rub Stratum (Plot size:)			Dominance Test is >50%		
Callicarpa americana	20	× FACU	Prevalence Index is ≤3.0 ¹		
Diospyros virginiana	5	FAC	Problematic Hydrophytic \	egetation ¹ (Expla	ain)
			¹ Indicators of hydric soil and w	etland hydrology	mu
			be present, unless disturbed o		
			Definitions of Vegetation Str	ata:	
			Delimitions of Vegetation Sti	ala.	
	25 _{= T}	otal Cover	Tree – Woody plants, excluding		0 :
erb Stratum (Plot size:)	===11	otal Covel	approximately 20 ft (6 m) or me (7.6 cm) or larger in diameter a		
Centrosema virginianum	5	□ N/A			
			Sapling – Woody plants, exclusion approximately 20 ft (6 m) or me		
			than 3 in. (7.6 cm) DBH.		
			Shrub – Woody plants, exclud	ling woody vines	
			approximately 3 to 20 ft (1 to 6		
			Herb – All herbaceous (non-we herbaceous vines, regardless		
			plants, except woody vines, les		
			3 ft (1 m) in height.		
y f de sensember i kallazide f		П	Woody vine - All woody vines	, regardless of he	eigh
					ŭ
					
	-	otal Cover			
oody Vine Stratum (Plot size:)		olai oovei			
Vitis rotundifolia	10	× FAC			
			Hydrophytic		
	10 _{= To}	otal Cover	Vegetation Present? Yes	× No _	
		oldi Covei		_ '''_=	
	relow)				
marks: (If observed, list morphological adaptations becies with "N/A" indicator status were not i	poludad in the	dominance	oulotion		

Depth	scription: (Describe Matrix	to the depti		ox Features	outer or con	the absence	o or mulcate), i 3.)	
(inches)	Color (moist)	%	Color (moist)		ype ¹ Loc			Remark	is
0 - 4	10YR5/3	100				L. Sand	Loamy S	Sand	
4 - 18	10YR6/6	100				L. Sand	Loamy S	Sand	
Histoso Organio 5 cm M Muck F 1 cm M Deplete Thick D Coast F Sandy Sandy Strippe Dark So Restrictive Type: Depth (in	Epipedon (A2) Histic (A3) Hen Sulfide (A4) Hed Layers (A5) Le Bodies (A6) (LRR F Hucky Mineral (A7) (L Hesence (A8) (LRR P, T) Hed Below Dark Surface Horst Surface (A12) Prairie Redox (A16) (I Mucky Mineral (S1) (I Mucky Mineral (S1) (I Mucky Mineral (S4) Redox (S5) Hed Matrix (S6)	P, T, U) RR P, T, U) J) De (A11) MLRA 150A) LRR O, S)	Polyvalue B Thin Dark S Loamy Mucl Loamy Gley Depleted Ma Redox Dark Depleted Da Redox Depr Marl (F10) (I Depleted Oc Iron-Mangar Umbric Surf Delta Ochric Reduced Ve	elow Surface (urface (S9) (LF ky Mineral (F1) ed Matrix (F2) atrix (F3) Surface (F6) ark Surface (F7 essions (F8) LRR U) chric (F11) (ML nese Masses (I ace (F13) (LRI c) (F17) (MLRA artic (F18) (MLI oodplain Soils	S8) (LRR S, RR S, T, U) (LRR O) (LRR O) (LRR O) (F12) (LRR O R P, T, U) 151) RA 150A, 15 (F19) (MLRA	Indicator T, U)	mont Floodplinalous Bright LRA 153B) Parent Mater Shallow Darl (Explain in I icators of hydelland hydrol alless disturbe	matic Hydr LRR O) (LRR S) 18) (outsid ain Soils (F- Loamy Soil ial (TF2) k Surface (T Remarks) drophytic ve ogy must be	le MLRA 150, 19) (LRR P, S Is (F20) F12) (LRR T, getation and expresent, matic.
Restrictive Type: Depth (ir	Layer (if observed)					Hydric So	il Present?	Yes	□ No



Wetland Feature Datasheet

Feature No.: W-56 Map No.: 11d		Feature ID.: 08wet04N Type: Scrub-Shrub			
Date Surveyed: 7/07/2011	County: Burke	Watershed: Brier			
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	0302		
Total Acreage: 0.79		Forested Acreage: 0			

Dominant Vegetation: Liriodendron tulipifera, Salix nigra, Liquidambar styraciflua, Sambucus canadensis, Juncus effusus, Carex lurida

Comments: View looking east at W-56 and W-57



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

Project/Site: Thomson-Vogtle	City/County: Burk	9	Sampling Date: 7/7/2011
Project/Site: Thomson-Vogtle Applicant/Owner: Georgia Power Company		State: GA	Sampling Point: DP96(W-56
	Section, Township		
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): LRR P			
Soil Map Unit Name:			fication:
Are climatic / hydrologic conditions on the site typical for Are Vegetation, Soil, or Hydrology	significantly disturbed? naturally problematic?	Are "Normal Circumstances If needed, explain any ansv	" present? Yes No
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X	No Is the Sam within a Wo	oled Area	⊠ No □
08wet04N HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Ind	icators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)	prototog	oil Cracks (B6)
	Vater-Stained Leaves (B9)	The state of the s	egetated Concave Surface (B8)
	Aquatic Fauna (B13)	The second secon	Patterns (B10)
[]	Marl Deposits (B15) (LRR U)		Lines (B16)
	łydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F	The state of the s	n Water Table (C2) urrows (C8)
	Presence of Reduced Iron (C4)	, ,	Visible on Aerial Imagery (C9)
	Recent Iron Reduction in Tilled So	TV.	ic Position (D2)
	hin Muck Surface (C7)	The state of the s	quitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	FAC-Neuti	ral Test (D5)
Field Observations:			
	Depth (inches):		
Water Table Present? Yes No D	Depth (inches): 6		
Saturation Present? Yes X No I (includes capillary fringe)	Depth (inches): 0	Wetland Hydrology Pres	ent? Yes No No
Describe Recorded Data (stream gauge, monitoring we	ell, aerial photos, previous inspect	ions), if available:	
Pemarks:			

1		Total Cov	OBL FAC	Number of Dominant Species 6 (A Total Number of Dominant 7 (B Percent of Dominant Species 7 (B Percent of Dominant Species 86% (A That Are OBL, FACW, or FAC: 86% (A Prevalence Index worksheet:
2		Total Cov	OBL FAC	Total Number of Dominant Species Across All Strata: 7 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 86% (A) Prevalence Index worksheet:
3		Total Cov	OBL FAC	Species Across All Strata: 7 (B) Percent of Dominant Species 86% (A) Prevalence Index worksheet:
Sapling Stratum (Plot size:) Salix nigra 5 Liriodendron tulipifera 3 Liriodendron tulipifera 3 Liriodendron tulipifera 3 Liriodendron tulipifera 3 Rhrub Stratum (Plot size:) Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2		Total Cov	OBL FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species FACW species FAC species Y 2 = FAC species Y 4 = UPL species Column Totals: (A) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50%
Sapling Stratum (Plot size:) Salix nigra		Total Cov	OBL FAC	That Are OBL, FACW, or FAC: 86% (A Prevalence Index worksheet:
6		Total Cov	OBL FAC	That Are OBL, FACW, or FAC: 86% (A Prevalence Index worksheet:
Sapling Stratum (Plot size:)		Total Cov	OBL FAC	Total % Cover of: Multiply by: 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 Indicators: Dominance Test is >50%
Sapling Stratum (Plot size:)	=	X X X Total Cove	OBL FAC	Total % Cover of: Multiply by: 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 Indicators: Dominance Test is >50%
Sapling Stratum (Plot size:		X X X Total Cove	OBL 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 Indicators: X Dominance Test is >50%
Salix nigra		Total Cove	FAC	FACW species x 2 =
Liriodendron tulipifera 3 Rational Stratum (Plot size:) Rhrub Stratum (Plot size:) Rhus copallinum 3 Sambucus canadensis 2		Total Cove	FAC	FAC species x 3 = FACU species x 4 = UPL species x 5 = Column Totals: (A) (I) Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50%
8 Shrub Stratum (Plot size:) Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2		Total Cove	er	FACU species x 4 =
8 Shrub Stratum (Plot size:) Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2		Total Cov		UPL species x 5 = Column Totals: (A) (I Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50%
Shrub Stratum (Plot size:) Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2	=	Total Cove		Column Totals: (A) (I Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50%
Shrub Stratum (Plot size:) Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2	=======================================	Total Cove		Prevalence Index = B/A = Hydrophytic Vegetation Indicators: Dominance Test is >50%
8 Shrub Stratum (Plot size:) Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2	=======================================	Total Cov		Hydrophytic Vegetation Indicators: Dominance Test is >50%
Shrub Stratum (Plot size:) Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2		×		Hydrophytic Vegetation Indicators: Dominance Test is >50%
Shrub Stratum (Plot size:) Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2		×		Dominance Test is >50%
Liquidambar styraciflua 2 Rhus copallinum 3 Sambucus canadensis 2		×	FAC	4
Rhus copallinum 3 Sambucus canadensis 2		×	LMC	
Sambucus canadensis 2			NII*	
4	_	The same of the sa		Problematic Hydrophytic Vegetation ¹ (Explain)
5		×	FACW	
		빌		Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				be present, unless disturbed of problematic.
3				Definitions of Vegetation Strata:
7				Tree – Woody plants, excluding woody vines,
7	=	Total Cove	ег	approximately 20 ft (6 m) or more in height and 3 in.
Herb Stratum (Plot size:)			= 1 0111	(7.6 cm) or larger in diameter at breast height (DBH)
Juncus effusus 30			FACW	Sapling – Woody plants, excluding woody vines,
Carex lurida 20		×	OBL	approximately 20 ft (6 m) or more in height and less
Scirpus cyperinus 10			OBL	than 3 in. (7.6 cm) DBH.
Typha domingensis 10			OBL	Shrub – Woody plants, excluding woody vines,
5 Erecthes hieracifolia 3			FAC	approximately 3 to 20 ft (1 to 6 m) in height.
Arundinaria gigantea 3			FACW	
Rubus argutus 5			FACU	Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes wood
Eupatorium capillifolium 1			FACU	plants, except woody vines, less than approximately
				3 ft (1 m) in height.
		一百		Woody vine – All woody vines, regardless of height.
0		一片		l salar
11.		一片		
<u>82</u>				
Noody Vine Stratum (Plot size:)	=	Total Cove	er	
		П		
		Ħ		
3				
<u>, </u>				Hydrophytic
j				Vegetation
	=	Total Cove	er	Present? Yes X No X

ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ype: Indicators of Problematic Hydric Soils*: Indicators for Problematic Hydric Soil Present? Yes No_ Pedmont Floodplain Soils (F10) (LRR P, T, U)	Depth	Matrix Calas (maist)	n/		x Features	1 = -2	T		D	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. Coation: PL=Pore Lining, M=Matrix. Indicators: Indicators for Problematic Hydric Soils?: Indicators of Problematic Hydric Soils?: Indicato	inches)			Color (moist)				NA		
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 1 cm Muck (A9) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A12) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Destrictive Layer (if observed): Type: Depth (inches): Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) Thin Dark Surface (S8) (LRR S, T, U) Thin Dark Surface (S8) (LRR S, T, U) Thin Dark Surface (S9) (LRR S, T, U) Depleted Matrix (F1) Loamy Mucky Mineral (F1) (LRR O) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U, Depleted Dark Surface (F6) Marl (F10) (LRR U) Depleted Dark Surface (F12) (LRR O, P, T) Wery Shallow Dark Surface (TF12) (LRR T, U) Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No No No Hydric Soil Present? Yes No	- 18	10YR2/1					M. S. L.	миску Sa	indy Loam	
Histosol (A1) Histosol (A2) Histosol (A3) Hydric Soil Indicators: Histosol (A2) Histosol (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 1 cm Muck (A9) (LRR P, T, U) Muck Presence (A8) (LRR V, T) Depleted Dark Surface (F1) Loamy Mucky Mineral (F1) (LRR O) 1 cm Muck (A9) (LRR P, T) Depleted Below Surface (F2) Marl (F10) (LRR P, T) Depleted Below Surface (F3) Marl (F10) (LRR P, T) Depleted Dark Surface (F6) Marl (F10) (LRR V) Depleted Dark Surface (F7) Marl (F10) (LRR V, T) Depleted Below Surface (F12) (LRR O, P, T) Warl (F10) (LRR V, T) Depleted Dark Surface (F13) (LRR P, T, U) Depleted Dark Surface (F13) (LRR O, P, T) Depleted Below Surface (A12) Loamy Mucky Mineral (S1) (LRR O, S) 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 Soil Present? Yes No										
Histosol (A1) Histosol (A2) Histosol (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 1 cm Muck (A9) (LRR P, T, U) Depleted Dark Surface (F6) Marl (F10) (LRR U) 1 cm Muck (A9) (LRR S) Depleted Dark Surface (F12) (LRR O, P, T) Depleted Below Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (S7) (LRR P, S, T, U) Depth (inches): Hydric Soil Present? Yes Indicators for Problematic Hydric Soils?: In muck (A9) (LRR O, Inches): Reduced (S8) (LRR S, T, U) In comuck (A9) (LRR O, Inches): In comuck (A9) (LRR S, T, U) Reduced Vertic (F13) (MLRA 151) In comuck (A9) (LRR O, Inches): I										
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 1 cm Muck (A9) (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 Gleyed Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Histics (A3) Polyvalue Below Surface (S8) (LRR S, T, U) I cm Muck (A9) (LRR O, I cm Muck (A9) (LRR O) I cm Muck (A9) (LRR O, I cm Muck (A10) (LRR S) Reduced Vertic (F18) (outside MLRA 150A) Reduced Vertic (F18) (outside MLRA 150A) Reduced Vertic (F18) (MLRA 151B) Piedmont Floodplain Soils (F19) (LRR O, P, T) Whistic Epipedon (A2) I cm Muck (A9) (LRR O, I) Piedmont Floodplain Soils (F19) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Depleted Ochric (F13) (MLRA 150A) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No										
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Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Mucky Presence (A8) (LRR P, T, U) Depleted Dark Surface (F1) Coarty Muck Presence (A8) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S4) Dark Surface (S7) Dark Surface (S7) Delta Ochric (F18) (MLRA 150A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, T, U) Destrictive Layer (if observed): Type: Depth (inches): Thin Dark Surface (S9) (LRR S, T, U) Dead Matrix (S1) Loamy Mucky Mineral (F1) (LRR O, S) Loamy Mucky Mineral (A4) Loamy Mucky Mineral (F1) (LRR O, S) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T, U) Reduced Vertic (F18) (MLRA 151) Depleted Ochric (F17) (MLRA 151) Unbric Surface (F13) (LRR P, T, U) Delta Ochric (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes No Depth (inches): Hydric Soil Present? Yes No	dric Soil	Indicators:		generally.			Indicators	for Problem	atic Hydric	Soils ³ :
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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) Setrictive Layer (if observed): Type: Depleted Ochric (F11) (MLRA 151) Iron-Manganese Masses (F12) (LRR O, P, T) Umbric Surface (F13) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic.	1 cm Mu	ick (A9) (LRR P, T))	Marl (F10) (L	RR U)					
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) Setrictive Layer (if observed): Type: Depth (inches): Iron-Manganese Masses (F12) (LRR O, P, T) Umbric Surface (F13) (LRR P, T, U) Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic.	7					51)				
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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) Setrictive Layer (if observed): Type: Depth (inches): Delta Ochric (F17) (MLRA 151) Unless disturbed or problematic. MREduced Vertic (F18) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Hydric Soil Present? Yes No	-		(MI RA 150A)	X Imbric Surfa	ce (F13) /I RR P T	11)				
Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Pestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	-			Dolta Ochric	(E17) (MI DA 454)	, 0)				
Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) setrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No			(LKK 0, 3)	Delta Ochilic	(F17) (WILKA 151)	04 4505)	urii	ess disturbed	or problema	IIIC.
Stripped Matrix (S6)Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No										
Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No										
Depth (inches): Hydric Soil Present? Yes	Stripped	Matrix (S6)		Anomalous B	right Loamy Soils (F	20) (MLR	4 149A, 153C	, 153D)		
Depth (inches): Hydric Soil Present? Yes No		ayer (if observed	l):							
	estrictive l									
							Hydric Soil	Present?	Yes X	No
	Type:	ches):								
	Type: Depth (inc	ches):				Marian Company of the				
	Type: Depth (inc	ches):				***************************************				
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	Type: Depth (inc	ches):								

SOIL

Project/Site: Thomson-Vogtle	City/County: Bur	ke	Sampling Date: 7/7/2011
Applicant/Owner: Georgia Power Company		State: GA	Sampling Point: DP97(W-56)
	Section, Townshi		
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): LRR P			
Soil Map Unit Name:			
Are climatic / hydrologic conditions on the site typical for	r this time of year? Yes	No (If no explain is	n Remarks)
Are Vegetation, Soil, or Hydrology			
Are Vegetation , Soil , or Hydrology			
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling po	int locations, transec	cts, important features, etc
Hydrophytic Vegetation Present? Yes	No ls the Sar		
Hydric Soil Present? Yes	No X	npled Area	□ No 区
Wetland Hydrology Present? Yes	No x within a V	vetland? Yes	NoX
Remarks:			
upland for 08wet04N			
apiana for coweto-in			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Inc	dicators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)	Surface S	oil Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)	Sparsely \	Vegetated Concave Surface (B8)
High Water Table (A2)	Aquatic Fauna (B13)	Drainage	Patterns (B10)
Saturation (A3)	Marl Deposits (B15) (LRR U)	Moss Trim	Lines (B16)
panel panel	Hydrogen Sulfide Odor (C1)	Total Control	on Water Table (C2)
	Oxidized Rhizospheres on Living	(property)	Burrows (C8)
	Presence of Reduced Iron (C4)		Nisible on Aerial Imagery (C9)
	Recent Iron Reduction in Tilled S Thin Muck Surface (C7)		nic Position (D2) quitard (D3)
and the same of th	Other (Explain in Remarks)	Bound	ral Test (D5)
Field Observations:	ZATOT (EXPIGITIO)	1710 Neut	
Surface Water Present? Yes No	Depth (inches):		
Water Table Present? Yes No	Depth (inches):		
Saturation Present? Yes No 🗵	Depth (inches): Depth (inches):	Wetland Hydrology Pres	sent? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring w	ell, aerial photos, previous inspe	ctions), if available:	
Remarks:			
Hydrologic indicators were not present.			

ree Stratum (Plot size:)		Dominant Species?		Dominance Test worksheet:
Quercus nigra	30		FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A
Juglans nigra	5		FACU	
Liquidambar styraciflua	10	×	FAC	Total Number of Dominant Species Across All Strata: 7 (B)
		The same of		Percent of Dominant Species 710/
		一旹		That Are OBL, FACW, or FAC: 71% (A
				Prevalence Index worksheet:
	4 =	= Total Cov	er .	Total % Cover of: Multiply by:
apling Stratum (Plot size:)		10101 001	Ci	OBL species x 1 =
Carya pallida	10		N/A	FACW species x 2 =
Cornus florida	10	×	FACU	FAC species x 3 =
Liquidambar styraciflua	5		FAC	FACU species x 4 =
Quercus nigra	5		FAC	UPL species x 5 =
				Column Totals: (A) (
		一青		Column rotals (A) (
		౼片		Prevalence Index = B/A =
	30			Hydrophytic Vegetation Indicators:
nrub Stratum (Plot size:)	50 =	= Total Cove	er	Dominance Test is >50%
Callicarpa americana	10	×	FACU	Prevalence Index is ≤3.0¹
Sassafras albidum	2		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
		౼님	17100	Problematic Hydrophytic Vegetation (Explain)
				1
				¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.
				be present, unless disturbed of problematic.
				Definitions of Vegetation Strata:
	12	Total Cove	or .	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
erb Stratum (Plot size:)		Total Cove	J1	(7.6 cm) or larger in diameter at breast height (DBH)
Chasmanthium sessiliflorum	30	×	FAC	
Dichanthelium acuminatum	2		FAC	Sapling – Woody plants, excluding woody vines,
				approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
		一百		
		一片		Shrub – Woody plants, excluding woody vines,
		ㅡ片		approximately 3 to 20 ft (1 to 6 m) in height.
		ㅡ님		Herb - All herbaceous (non-woody) plants, including
		ㅡ빌		herbaceous vines, regardless of size. Includes woo
				plants, except woody vines, less than approximately 3 ft (1 m) in height.
				3 it (1 iii) iii height.
).				Woody vine - All woody vines, regardless of height
	32	Total Cove		
loody Vine Stratum (Plot size:)	==	· Total Cove	2 1	
Vitis rotundifolia	5	×	FAC	
Smilax rotundifolia	5	×	FAC	
Parthenocissus quinquefolia	2	一百	FAC	
				Hydrophytic
				Vegetation
	12 =	Total Cove	er	Present? Yes X No

SOIL

Depth	Matrix		Redo	x Features	3		iii tii	e absence		
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	_	Texture	Remarks	
0 - 6	10YR6/3	100					S	Loam	Sandy Loam	
6 - 18	10YR6/8	100					S	Loam	Sandy Loam	
	-									
							-			
	-									
1Tuno: C=C	Concentration, D=De	nlotion DM=D	adused Matrix C			d Cand C		21	ocation: PL=Pore Lining, M=Matrix.	
	Indicators:	pietion, Kivi-K	educed Matrix, C.	3-Covered	or Coate	u Sanu G	oralli		s for Problematic Hydric Soils ³ :	
Histoso			Polyvalue Be	alow Surfa	ne (S8) (I	DD C T	111		Muck (A9) (LRR O)	
Common Co	pipedon (A2)		Thin Dark Su				0,		Muck (A10) (LRR S)	
graduated .	listic (A3)		Loamy Muck					The state of the s	ced Vertic (F18) (outside MLRA 15	OA F
Married Co.	en Sulfide (A4)		Loamy Gleye			. 0,			nont Floodplain Soils (F19) (LRR P,	
general Control	ed Layers (A5)		Depleted Ma		-,				nalous Bright Loamy Soils (F20)	0, 1
The state of the s	Bodies (A6) (LRR F	P, T, U)	Redox Dark		6)				.RA 153B)	
	ucky Mineral (A7) (L		Depleted Da						Parent Material (TF2)	
ET STATE OF THE ST	resence (A8) (LRR I		Redox Depre	essions (F	3)				Shallow Dark Surface (TF12) (LRR	T, U)
1 cm M	uck (A9) (LRR P, T)		Marl (F10) (L	RR U)				☐ Other	(Explain in Remarks)	
Deplete	ed Below Dark Surface	ce (A11)	Depleted Oc	hric (F11)	(MLRA 1	51)				
Thick D	ark Surface (A12)		Iron-Mangan				, T)	³ Indi	icators of hydrophytic vegetation and	d
	Prairie Redox (A16) (Umbric Surfa			, U)			etland hydrology must be present,	
	Mucky Mineral (S1) (LRR O, S)	Delta Ochric					un	less disturbed or problematic.	
	Gleyed Matrix (S4)		Reduced Ve							
	Redox (S5)		Piedmont Flo							
	d Matrix (S6)		Anomalous B	Bright Loar	ny Soils (F20) (MLF	RA 1	49A, 1530	C, 153D)	
	urface (S7) (LRR P, S Layer (if observed)						_			
	Layer (ii observed)	•								
Type:								ld-i- 0-:	I Present? Yes No No	×
D 11 ('-	-1									
Depth (in	nches):						'	Tyuric Goi	Present? Yes No	
Depth (ir Remarks:	nches):							Tydric Gol	resent? Tes No	- Laured
	nches):							Tyuric doi	TPTesent? Tes No	
	nches):							Tyune doi	TPresent? Tes No	
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Remarke:		esent.							TPTESENT? TES NO	
Remarks:	indicators not pre	esent.							TPTESENT? TES NO	
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Stream Feature Datasheet

Feature No.: P-9	Map No.: 11d	Feature ID.: 08pero1N	Type: Perennial
Date Surveyed: 7/07/2011	County: Burke	Watershed: Brier	
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	30302
Acreage: 0.05 acre		Length: 195 linear-feet	
Substrate: Sand	Width ² : 6 - 8 feet	Depth 3: 1 - 2 feet	

Comments:



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> 7/7/11 <u>Project Site:</u> Thomson-Vogtle	<u>Feature No.:</u>	P-9		
Evaluator: MEN & MWW County: Burke, GA	<u>Feature ID:</u> (08per01N		
<u>Parameter</u>	Scoring Category	Numerical Score		
A. Geomorphology				
1. Continuity of bed and bank	Strong	3		
2. Sinuosity of channel along thalweg	Strong	3		
3. In-channel structure: ex. riffle/pool sequence	Moderate	2		
4. Particle size of stream substrate	Moderate	2		
5. Active/relict floodplain	Strong	3		
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)	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	Absent	0		
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	Absent	3		
20. Macrobenthos	Strong	3		
21. Aquatic mollusks	Moderate	2		
22. Fish	Strong	1.5		
23. Crayfish	Strong	1.5		
24. Amphibians	Strong	1.5		
25. Algae	Strong	1.5		
26. Wetland plants in streambed (FACW=0.75; OBL=1.5; Other=0)	Other	0		
Total Points:		43.5		
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

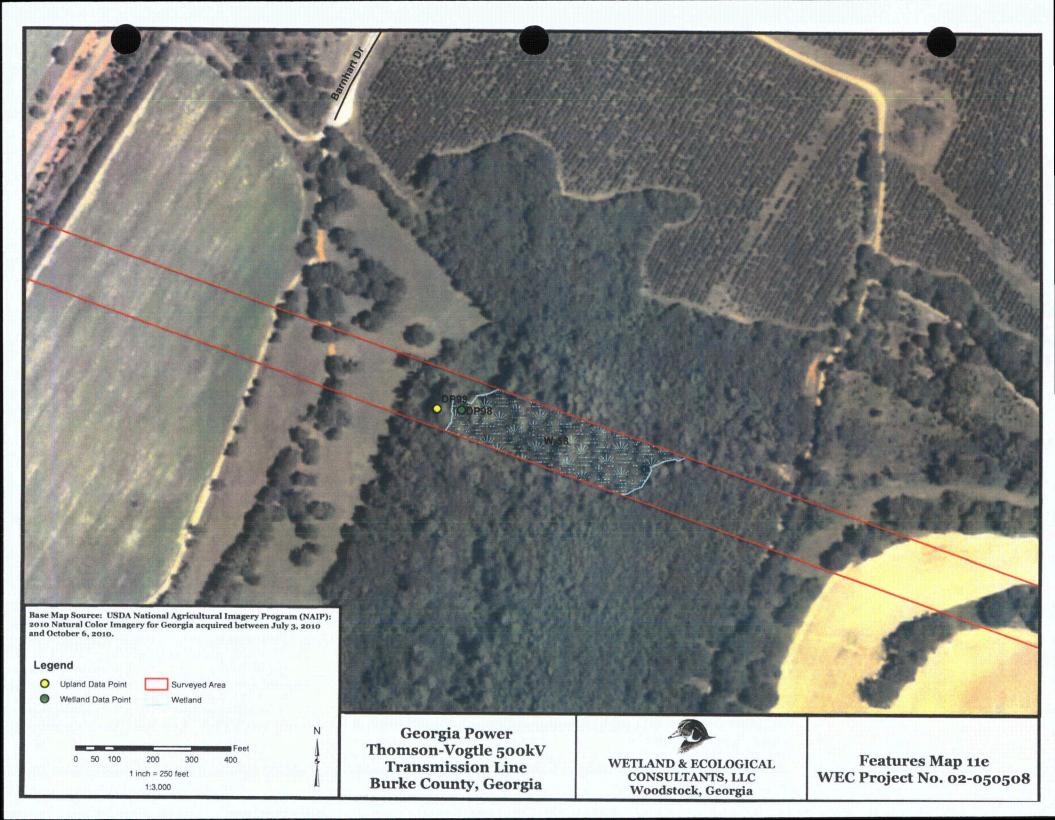
Feature No.: W-57	Map No.: 11d	Feature ID.: 08wet04AN	Type: Scrub-Shrub
Date Surveyed: 7/07/2011	County: Burke	Watershed: Brier	
8-Digit HUC1: 03060108		12-Digit HUC: 030601080	0302
Total Acreage: 0.39		Forested Acreage: 0	

Dominant Vegetation: Liriodendron tulipifera, Salix nigra, Liquidambar styraciflua, Sambucus canadensis, Juncus effusus, Carex lurida

Comments: View looking east at W-56 and W-57.



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



Wetland Feature Datasheet

Feature No.: W-58	Map No.: 11e	Feature ID.: 08weto5N	Type: Forested
Date Surveyed: 7/07/2011	County: Burke	Watershed: Brier	
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	0302
Total Acreage: 1.78		Forested Acreage: 1.78	

Dominant Vegetation: Nyssa biflora, Liquidambar styraciflua, Acer rubrum, Ilex opaca, Ligustrum sinense, Athyrium filix-femina, Woodwardia areolata, Vitis rotundifolia

Comments:



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

Project/Site: Thomson-Vogtle	City/County: Burk	(e	Sampling Date: 7/7/2011
Applicant/Owner: Georgia Power Company		State: G	Sampling Date: 7/7/2011 A Sampling Point: DP98(W-58)
	Section, Township		
Landform (hillslope, terrace, etc.):			
Subregion (LRR or MLRA): LRR P			
Soil Map Unit Name:			
Are climatic / hydrologic conditions on the site typical for this	s time of year? Yes	No (If no, ex	plain in Remarks.)
Are Vegetation, Soil, or Hydrology s			
Are Vegetation, Soil, or Hydrology n			
SUMMARY OF FINDINGS – Attach site map			
			insects, important leatures, etc.
Hydrophytic Vegetation Present? Yes N	Is the Sam	pled Area	
Hydric Soil Present? Wetland Hydrology Present? Yes X N	within a W		res 🗵 No
	<u> </u>		
Remarks:			
08wet05N			
HYDROLOGY			
Wetland Hydrology Indicators:		Seconda	ary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all t	hat apply)		face Soil Cracks (B6)
Surface Water (A1)	er-Stained Leaves (B9)	lamed.	arsely Vegetated Concave Surface (B8)
High Water Table (A2)	atic Fauna (B13)	⋉ Dra	inage Patterns (B10)
Saturation (A3)	Deposits (B15) (LRR U)	☐ Mos	ss Trim Lines (B16)
	ogen Sulfide Odor (C1)		-Season Water Table (C2)
	ized Rhizospheres on Living	person.	yfish Burrows (C8)
	ence of Reduced Iron (C4)	The last	uration Visible on Aerial Imagery (C9)
	ent Iron Reduction in Tilled So Muck Surface (C7)	,	omorphic Position (D2) allow Aquitard (D3)
- Innered	er (Explain in Remarks)	James	C-Neutral Test (D5)
Field Observations:	(Explain in Remarks)		S-Neutral Test (D3)
Surface Water Present? Yes No No Dep	oth (inches):		
Water Table Present? Yes No Dep	oth (inches):		
Saturation Present? Yes No Dep	oth (inches): 10	Wetland Hydrolog	y Present? Yes No No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, a			
Describe Recorded Data (stream gauge, monitoring well, a	eriai priotos, previous irispec	lions), ii avallable.	
Remarks:			

VECETATION Line scientific services		Folonto
VEGETATION – Use scientific names	5 01	plants.

1. Nyssa biflora 20 2. Liquidambar styraciflua 15 3. Acer rubrum 10 4. Liriodendron tulipifera 10 5. 55 Sapling Stratum (Plot size:)) 1. Liquidambar styraciflua 10 2. Acer rubrum 5 3. Ilex opaca 5 4		Total Co	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 11
3. Acer rubrum 10 4. Liriodendron tulipifera 10 5		Total Co	FAC FAC FAC FAC FAC FAC FAC FAC FAC	Species Across All Strata: 11 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B Prevalence Index worksheet:
4. Liriodendron tulipifera 10 5.		Total Co	FAC FAC FAC FAC FAC FAC FAC FAC	Species Across All Strata: 11 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B Prevalence Index worksheet:
55		Total Cov	FAC FAC FAC FAC FAC FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of: Multiply by:
6		Total Cov	FAC FAC FAC FAC FAC FAC	That Are OBL, FACW, or FAC: 100% (A/E) Prevalence Index worksheet:
7		Total Cov	FAC FAC FAC FAC FAC FAC	Total % Cover of: OBL species
Sapling Stratum (Plot size:)		Total Cov	FAC FAC FAC FAC FAC FAC	Total % Cover of: OBL species
Sapling Stratum (Plot size:)		Total Cov	FAC FAC FAC FAC FAC FAC	OBL species
Liquidambar styraciflua	=	Total Cov	FAC FAC FAC FAC FAC	FACW species x 2 =
Acer rubrum	=	Total Cov	FAC FAC FAC FAC FAC	FAC species
Shrub Stratum (Plot size:)	=	Total Con	FAC FAC FAC	FACU species x 4 =
4	=	Total Cor	rer FAC FAC	UPL species x 5 = Column Totals: (A) (B Prevalence Index = B/A = 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:
5	=	Total Cov	FAC FAC	Prevalence Index = B/A =
20 20	=	Total Co	FAC FAC	Prevalence Index = B/A =
20 20	=	Total Co	FAC FAC	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:
20 20 20		× ×	FAC FAC	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:
20		× ×	FAC FAC	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:
Shrub Stratum (Plot size:) 1. Ligustrum sinense 3 2. Liquidambar styraciflua 5 3. Ilex opaca 3 4		× ×	FAC FAC	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:
Liquidambar styraciflua Liquidambar styracifl		X X C	FAC	Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
3 Ilex opaca 3 4				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata:
4			FAC	be present, unless disturbed or problematic. Definitions of Vegetation Strata:
5				be present, unless disturbed or problematic. Definitions of Vegetation Strata:
5				be present, unless disturbed or problematic. Definitions of Vegetation Strata:
5		Total Cov		
7		Total Cov		
Herb Stratum (Plot size:)	=	Total Co		1 - 101 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Herb Stratum (Plot size:)				Tree – Woody plants, excluding woody vines,
		Total Co	/ei	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
			N/A	
Athyrium filix-femina 10		×	FAC	Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
Woodwardia areolata 10		×	OBL	than 3 in. (7.6 cm) DBH.
Boehmeria cylindrica 2			FACW	
Arundinaria gigantea 5			FACW	Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
y		Ē		approximately 3 to 20 it (1 to 6 iii) in height.
6		F		Herb – All herbaceous (non-woody) plants, including
7		F		herbaceous vines, regardless of size. Includes wood plants, except woody vines, less than approximately
В		= =		3 ft (1 m) in height.
)				Manda de la companya del companya de la companya del companya de la companya de l
10	·			Woody vine – All woody vines, regardless of height.
11.				
12.		L		
42	=	Total Co	er er	
Moody Vine Stratum (Plot size:) 1 Vitis rotundifolia 5		T.	FAC	
		×		
2.				
3				
4				Hydrophytic
5				Hydrophytic Vegetation
5	=	Total Cov	er er	Present? Yes X No D
Remarks: (If observed, list morphological adaptations below).				1

Depth	Matrix		Redo	ox Feature	s				
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks
- 18	10YR6/2	100					S. Loam	Sandy Loa	ım
	-								
pe: C=C	oncentration, D=Dep	oletion, RM=F	Reduced Matrix, C	S=Covered	d or Coate	ed Sand G	irains. ² Lo	cation: PL=Po	re Lining, M=Matrix.
_	Indicators:								tic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	elow Surfa	ce (S8) (I	RRST		Muck (A9) (LRR	
	pipedon (A2)		Thin Dark Si	urface (S9)	I RR S	T II)		Muck (A10) (LR	
	stic (A3)		Loamy Muck						(outside MLRA 150A
	n Sulfide (A4)		Loamy Gley			. 0,			Soils (F19) (LRR P, S,
	Layers (A5)		➤ Depleted Ma		12)				amy Soils (F20)
	Bodies (A6) (LRR F	T 11)	Redox Dark		6)			RA 153B)	arriy Solis (F20)
	icky Mineral (A7) (L		Depleted Da					RA 153B) arent Material (TE2)
	esence (A8) (LRR L		Redox Depr						urface (TF12) (LRR T,
	ick (A9) (LRR P, T)	")	Marl (F10) (I	A Providence of the Control of the Control	0)			Explain in Ren	
	Below Dark Surface	o (A11)	Depleted Oc		/BELDA 4	E4)	Other	(Explain in Ren	iaiks)
	ark Surface (A12)	E (ATT)	Iron-Mangar				T) 3Indi	atora of budrow	shudia wasadadian and
		MI DA 150A)							phytic vegetation and
	rairie Redox (A16) (I		Delta Ochric	(C17) (BEL	DA 454)	, 0)			must be present,
	lucky Mineral (S1) (LKK (), S)	Delta Ochric	(F17) (IVIL	KA 151)			ess disturbed o	r problematic.
	lleyed Matrix (S4)		Reduced Ve						
	edox (S5)		Piedmont Fl						
Strinned	Matrix (S6)		Anomalous I	Bright Loai	my Soils (F20) (MLF	RA 149A, 153C	, 153D)	
Dark Sui	rface (S7) (LRR P, S								
Dark Sui							I		
Dark Sui	rface (S7) (LRR P, S						1		
Dark Surstrictive L Type:	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es 🗵 No [
Dark Sui	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	esX No[
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	esX No[
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es 🗵 No 📘
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es <u>×</u> No <u></u>
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es X No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es X No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es <u>X</u> No <u></u>
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No [
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No [
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No I
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No No
Dark Surstrictive L Type: Depth (inc	rface (S7) (LRR P, S _ayer (if observed)						Hydric Soil	Present? Y	es No No

Project/Site: Thomson-Vogtle	City/	County: Burke		Sampling Date: 7/7/2011		
Project/Site: Thomson-Vogtle Applicant/Owner: Georgia Power Company	City,	odarity:	State: GA	Sampling Point: DP99(W-58)		
nvestigator(s): MEN and MWW	Soci	tion Township Pango:	State.	. Gampling Fount.		
andform (hillslope, terrace, etc.):	Sec.	tion, Township, Range:	nana):	Clana (0/):		
Subregion (LRR or MLRA): LRR P						
Soil Map Unit Name:				cation:		
are climatic / hydrologic conditions on the site typ						
Are Vegetation $\underline{\hspace{1cm}}$, Soil $\underline{\hspace{1cm}}$, or Hydrology						
Are Vegetation $\underline{\hspace{1cm}}$, Soil $\underline{\hspace{1cm}}$, or Hydrology	naturally problen	natic? (If needed, e	explain any answe	ers in Remarks.)		
SUMMARY OF FINDINGS – Attach si	te map showing sa	mpling point locatio	ns, transects	s, important features, etc.		
Hydrophytic Vegetation Present? Yes _	× No					
Hydric Soil Present? Yes _	No X	Is the Sampled Area	V	□ No ×		
Wetland Hydrology Present? Yes _	□ No 🔀	within a Wetland?	Yes	No		
Remarks:						
upland for 08wet04N						
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indic	ators (minimum of two required)		
Primary Indicators (minimum of one is required;	check all that apply)		Surface Soil	Cracks (B6)		
Surface Water (A1)	☐ Water-Stained Leaves (B9)			getated Concave Surface (B8)		
High Water Table (A2)	Aquatic Fauna (B13		Drainage Pa			
Saturation (A3)	Marl Deposits (B15)	(LRR U)	Moss Trim L			
Water Marks (B1)	Hydrogen Sulfide O	dor (C1)		Water Table (C2)		
Sediment Deposits (B2)	Oxidized Rhizosphe	eres on Living Roots (C3)	Crayfish Bu	rows (C8)		
Drift Deposits (B3)	Presence of Reduce	ed Iron (C4)	Saturation V	isible on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	Parameter 1	ion in Tilled Soils (C6)	Geomorphic	Position (D2)		
Iron Deposits (B5)	Thin Muck Surface	1 /	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7)	U Other (Explain in Re	emarks)		Test (D5)		
Field Observations:	X					
	Depth (inches):					
Water Table Present? Yes No _						
	Depth (inches):	Wetland H	lydrology Prese	nt? Yes No		
(includes capillary fringe) Describe Recorded Data (stream gauge, monito	ring well, aerial photos, pr	revious inspections), if avai	ilable:			
Remarks:						
Remarks:						
Hydrologic indicators were not present.						
inyurologic maleutors were not present.						

1. Platanus occidentalis 10 2. Liquidambar styraciflua 20 3.	Total Cover X FAC	Total Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 =
2 Liquidambar styraciflua 20 3 4. 5. 6. 7. 30 = Sapling Stratum (Plot size:	FAC FAC Total Cover FAC Total Cover FAC Total Cover FAC Total Cover Total Cover	Total Number of Dominant Species Across All Strata: 10 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 80% (A/B) Prevalence Index worksheet:
3.	Total Cover FAC	Total Number of Dominant Species Across All Strata: 10 (B)
4	Total Cover X FAC	Species Across All Strata: 10 (B)
5	Total Cover FAC Total Cover FAC TOTAL Cover FAC TOTAL Cover TOTAL Cover TOTAL Cover TOTAL Cover TOTAL Cover	That Are OBL, FACW, or FAC: 80% (A/B) Prevalence Index worksheet:
5	Total Cover FAC Total Cover FAC TOTAL Cover FAC TOTAL Cover TOTAL Cover TOTAL Cover TOTAL Cover TOTAL Cover	That Are OBL, FACW, or FAC: 80% (A/B) Prevalence Index worksheet:
6	Total Cover FAC FAC	Prevalence Index worksheet: Total % Cover of: Multiply by: 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 =
7	FAC	Total % Cover of: Multiply by: 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 =
Sapling Stratum (Plot size:	FAC	OBL species x 1 = FACW species x 2 = FAC species x 3 = FACU species x 4 = UPL species x 5 = Column Totals: (A) (B)
Sapling Stratum (Plot size:	FAC	OBL species x 1 = FACW species x 2 = FAC species x 3 = FACU species x 4 = UPL species x 5 = Column Totals: (A) (B)
1. Liquidambar styraciflua 2	otal Cover	FACW species
2.	otal Cover	FAC species
3	otal Cover	FACU species x 4 = UPL species x 5 = Column Totals: (A) (B) Prevalence Index = B/A =
4	otal Cover	UPL species
5.	ĭ FAC	Column Totals: (A) (B) Prevalence Index = B/A =
6	ĭ FAC	Prevalence Index = B/A =
Shrub Stratum (Plot size:	ĭ FAC	
Shrub Stratum (Plot size:	ĭ FAC	
Shrub Stratum (Plot size:)	ĭ FAC	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:) Callicarpa americana 20 20 2 Liquidambar styraciflua 5 3 4 5 5 6 6 7 25 = T 7 7 7 7 7 7 7 7 7	ĭ FAC	, , ,
Callicarpa americana 20		▼ Dominance Test is >50%
Liquidambar styraciflua 5		U Prevalence Index is ≤3.0¹
3	× FAC	
4	Process of the last of the las	— Troblematic Tydrophytic vegetation (Explain)
5		_ ,
6	닡	Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7		— be present, unless disturbed of problematic.
7		Definitions of Vegetation Strata:
Herb Stratum (Plot size:)		
Herb Stratum (Plot size:) Asplenium platyneuron 3 2 Dichanthelium commutatum 5 3 3 4 5 5 6 6 6 7 7 8 9 9 10 11 12 8 9 10 11 12 8 9 10 11 12 12 8 9 10 15 15 15 15 15 15 15	otal Cover	Tree – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
1. Asplenium platyneuron 2. Dichanthelium commutatum 3 4	otal Cover	(7.6 cm) or larger in diameter at breast height (DBH).
2. Dichanthelium commutatum 5 3.	× FAC	U
3.	▼ FAC	Sapling – Woody plants, excluding woody vines,
4		approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
5	- 片	— than 3 m. (7.3 cm) BBN.
6	님	Shrub – Woody plants, excluding woody vines,
7		approximately 3 to 20 ft (1 to 6 m) in height.
8		- Herb - All herbaceous (non-woody) plants, including
8		herbaceous vines, regardless of size. Includes woody
10		plants, except woody vines, less than approximately
10		3 ft (1 m) in height.
11		Woody vine – All woody vines, regardless of height.
12		— Woody vine - All woody vines, regardless of fleight.
Woody Vine Stratum (Plot size:) 30 1. Vitis rotundifolia		
Woody Vine Stratum (Plot size:) 30 1. Vitis rotundifolia		
Woody Vine Stratum (Plot size:) 1. Vitis rotundifolia 30 2. Smilax rotundifolia 15 3. Smilax laurifolia 15 4		
Smilax rotundifolia 15 Smilax laurifolia 15 4.	D D D D D D D D D D D D D D D D D D D	
3. Smilax laurifolia 15	Otal Cover	
3. Smilax laurifolia 15	otal Cover	
4		
	× FAC	
5	ĭ FAC	
	× FAC	w
<u>60</u> = T	× FAC	W Hydrophytic Vegetation
Desirable (Mahamad Estate Later)	× FAC	W Hydrophytic
Remarks: (If observed, list morphological adaptations below).	FAC	W Hydrophytic Vegetation
	FAC	W Hydrophytic Vegetation

		DDOO
Sampling	Daint	DESS
Sampling	Poirit.	

6 - 18	Matrix Color (moist) 10YR6/4 10YR7/4	100 100	Color (moist)	ox Feature %	Type ¹	Loc ²	S. Loam S. Loam	Sandy Loa		
0 - 6 6 - 18										
	10YR7/4	100					S. Loam	Sandy Loa	m	
							O. Louin	Carlay Loc	***	
¹Type: C=Con										
¹Type: C=Cor										
¹Type: C=Cor										
¹Type: C=Cor										
¹Type: C=Cor								-		
¹Type: C=Cor								-		
Type: C=Cor										
, ypc. 0-001	centration, D=De	pletion, RM=R	educed Matrix, C	S=Covered	d or Coate	d Sand G	rains. ² Lo	ocation: PL=Po	ore Lining, M=I	Matrix.
Hydric Soil In	dicators:							for Problema	tic Hydric So	ils³:
Histosol (A	\ 1)		Polyvalue B	elow Surfa	ce (S8) (L	RR S, T,	U) 1 cm	Muck (A9) (LRI	R O)	
Histic Epip	pedon (A2)		Thin Dark S	urface (S9)	(LRR S,	T, U)		Muck (A10) (LF		
Black Hist	ic (A3)		Loamy Muc			(0)	Redu	ced Vertic (F18) (outside ML	RA 150A,B
Hydrogen	Sulfide (A4)		Loamy Gley		(F2)		Piedn	nont Floodplain	Soils (F19) (L	RR P, S, T)
(Married)	ayers (A5)		Depleted Ma					alous Bright Lo	amy Soils (F2	0)
	odies (A6) (LRR F		Redox Dark					RA 153B)		
	ky Mineral (A7) (L		Depleted Da					arent Material		
The state of the s	sence (A8) (LRR I	J)	Redox Depr		8)		generally .	Shallow Dark S		(LRR T, U)
promote and the second	k (A9) (LRR P, T)	(844)	Marl (F10) ((BEL D. 44	- ./.	Other	(Explain in Rei	narks)	
	Below Dark Surface	ce (A11)	Depleted O				3 1			
	c Surface (A12) irie Redox (A16) (MI DA 4EOA)	Iron-Mangar					cators of hydro		
	cky Mineral (S1) (Umbric Surf			, 0)		tland hydrology		
and the same of th	eyed Matrix (S4)	LKK 0, 3)	Reduced Ve			0A 150B		less disturbed of	n problematic.	
Sandy Re	•		Piedmont FI							
Stripped N							RA 149A, 1530	153D)		
	ace (S7) (LRR P,	S. T. U)	/	Drigin Loui	ing come (i	20) (11121	0. 1407, 1000	, 1002)		
	yer (if observed)						T			
Type:										
Depth (inch	es).						Hydric Soi	Present?	es 🗆	No X
Remarke:							1 1,000			
rtomanto.										
Hydric soil in	dicators not pre	esent.								