

Feature No.: OTH-14	Map No.: 5c	Feature ID.: 030th05N	Type: Other Feature
Date Surveyed: 5/11/2011	County: Jefferson	Acreage/Length: 0.88 acr	es
Comments: Kaolin Pit			
PARTY OF THE PARTY			
	1.65 - 62	(j Republichen 1 1.	- 4412
I I LA			
	- AND ALL		
	17.		
- in the state			
			05/11/2011





Feature No.: W-26	Map No.: 5d	Feature ID.: 03wet05N	Type: Forested & Scrub-Shrub
Date Surveyed: 5/12/2011	County: Jefferson	Watershed: Brier	
8-Digit HUC1: 03060108		12-Digit HUC: 03060108	0204
Total Acreage: 0.70		Forested Acreage: 0.62	
Dominant Vegetation: Lirio	lendron tulinifera Acer ruh	num Liquidamhar sturaciflua	Ilex opaça Arundinaria

gigantea, Smilax rotundifolia

Comments:



Feature No.: W-27	Map No.: 5d	Feature ID.: 03wet05AN	Type: Forested & Scrub-Shrub
Date Surveyed: 5/12/2011	County: Jefferson	Watershed: Brier	
8-Digit HUC ¹ : 03060108		12-Digit HUC: 030601080	0204
Total Acreage: 0.46		Forested Acreage: 0.20	
Dominant Vegetation: Lirio	lendron tulinifera. Acer ruh	num Liquidambar sturaciflua	Ilex opaca Arundinaria

gigantea, Smilax rotundifolia

Comments:



Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle Transi	nission Line Cit	y/County: Jefferson Cour	nty	Sampling Date: 5/12/2011
opplicant/Owner: Georgia Power Cor	npany	S	State: GA	Sampling Point: DP48 (W-
nvestigator(s): MEN and MWW	Se	ction, Township, Range:		
andform (hillslope, terrace, etc.):	Lo	cal relief (concave, convex, r	none):	Slope (%);
ubregion (I BB or MI BA). LRR P	Lat.	Long:		Datum:
cil Man Lloit Name:		Long		eation:
on Map Onit Name:	site turined for this time of used			
re climatic / hydrologic conditions on the	site typical for this time of year?	Yes No (If no, explain in I	Remarks.)
re Vegetation, Soil, or Hy	drology significantly dis	turbed? Are "Normal	Circumstances"	present? Yes No
re Vegetation, Soil, or Hy	drology naturally proble	ematic? (If needed, et	xplain any answ	ers in Remarks.)
UMMARY OF FINDINGS - Atta	ach site map showing sa	ampling point locatio	ns, transect	s, important features, e
Hydrophytic Vegetation Present?	Yes X No			
Hydric Soil Present?	Yes X No	Is the Sampled Area		
Wetland Hydrology Present?	Yes No	within a Wetland?	Yes	
Remarks:				
3wet05N				
Vetland Hydrology Indicators			Secondary India	ators (minimum of two require
Primary Indicators (minimum of one is re	quired: check all that apply)		Surface Soi	Cracks (B6)
Surface Water (A1)	Water-Stained Lez	aves (B9)	× Sparsely Ve	retated Concave Surface (B8)
High Water Table (A2)	Aquatic Fauna (B1	3)	X Drainage Pa	atterns (B10)
Saturation (A3)	Marl Deposits (B1)	5) (LRR U)	Moss Trim L	ines (B16)
Water Marks (B1)	Hydrogen Sulfide	Odor (C1)	Dry-Season	Water Table (C2)
Sediment Deposits (B2)	Oxidized Rhizosph	neres on Living Roots (C3)	Crayfish Bu	rrows (C8)
Drift Deposits (B3)	Presence of Redu	ced Iron (C4)	Saturation V	isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Recent Iron Reduc	ction in Tilled Soils (C6)	Geomorphic	Position (D2)
Iron Deposits (B5)	Thin Muck Surface	e (C7)	Shallow Aqu	uitard (D3)
Inundation Visible on Aerial Imagery	(B7) Uther (Explain in F	(emarks)	FAC-Neutra	I Test (D5)
Surface Water Present? Ves	No E Depth (inches):			
Vator Table Present? Yes	No Depth (inches):			
Valer Table Fresent? Tes	No Depth (inches):	Wotland H	vdrology Broso	
ncludes capillary fringe)	Depth (inches).	Wetland h	yurology Frese	
escribe Recorded Data (stream gauge,	monitoring well, aerial photos, r	previous inspections), if avail	lable:	
emarks:				

VEGETATION – Use scientific names of plants.

	Absolute	Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u>	Species? Status	Number of Dominant Species
1. Nyssa sylvatica	5	FAC	That Are OBL, FACW, or FAC: / (A)
2. Magnolia virginiana	5	FACW	Total Number of Dominant
3. Acer rubrum	15	🗵 FAC	Species Across All Strata: 7 (B)
4. Liriodendron tulipifera	15	× FAC	
5 Liquidambar styraciflua	15	× FAC	Percent of Dominant Species 100%
6			That Are OBL, FACW, or FAC: (A/B)
7		<u> </u>	Prevalence Index worksheet:
· ·	55		Total % Cover of: Multiply by:
Sanling Stratum (Plot size:		= Total Cover	OBL species x 1 =
Ilex opaca	5	FAC	
1. <u></u>			
3		<u>_</u>	FACU species x 4 =
4		<u></u>	UPL species x 5 =
5			Column Totals: (A) (B)
6			
7.			Prevalence Index = B/A =
	5	= Total Cover	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)			Dominance Test is >50%
1. Ilex opaca	5	🗙 FAC	Prevalence Index is ≤3.0 ¹
2			Problematic Hydrophytic Vegetation ¹ (Explain)
3			
			¹ Indicators of hydric soil and wetland hydrology must
4			be present, unless disturbed or problematic.
5			
6		<u> </u>	Definitions of Vegetation Strata:
7			Tree - Woody plants, excluding woody vines
	5	= Total Cover	approximately 20 ft (6 m) or more in height and 3 in.
Herb Stratum (Plot size:)	_		(7.6 cm) or larger in diameter at breast height (DBH).
1. Arundinaria gigantea	5	× FACW	Sanling - Woody plants, excluding woody vines
2			approximately 20 ft (6 m) or more in height and less
3			than 3 in. (7.6 cm) DBH.
4			Chaub Micadu planta qualudina una du lina
5			approximately 3 to 20 ft (1 to 6 m) in beinht
6	and the second second	—	
8			Herb - All herbaceous (non-woody) plants, including
7		H	herbaceous vines, regardless of size. Includes woody
8		<u>_</u>	3 ft (1 m) in height
9			
10			Woody vine - All woody vines, regardless of height.
11.			
12.			
	5	Total Cover	
Woody Vine Stratum (Plot size:)		
1. Smilax rotundifolia	8	🗵 FAC	
3			
2		— <u> </u>	
3			
4	energia energia energia		Hydrophytic
5			Vegetation
	8=	Total Cover	Present? Yes No
Demarker, (If abase and list membralistical adaptation	na halaw)		
Remarks: (If observed, list morphological adaptatio	ons below).		

SOIL

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type ¹ Loc ² 0 - 18 2.5Y4/2 100		
0 - 18 2.5Y4/2 100	Texture	Remarks
	Sloam	Sandy Loam
	•	
Type: C=Concentration D=Depletion RM=Reduced Matrix CS=Covered or Coated Sand G		ecation: PL-Pere Lipipe M-Matrix
Type: 0-000 centration, D-Depiction, NM-Reduced Matrix, 00-000 cetted of obtailed band of Type: Soil Indicators:	Indicator	s for Problematic Hydric Soils ³ :
Histosol (A1)		Muck (AQ) (I BB O)
Histic Enjandon (A2)		Muck (A10) (LRR C)
		ced Vertic (E18) (outside MI DA 150A
Hydrogen Sulfide (A4)	Piedo	ant Eloodalain Soils (E19) (I RR P. S.
Stratified Lavers (A5)		alous Bright Loamy Soils (F19) (ERR F, S,
Organic Bodies (A6) (I BB P T II) Redox Dark Surface (F6)		PA 153B)
5 cm Mucky Mineral (A7) (LRR P. T. U)		Parent Material (TE2)
Muck Presence (A8) (LRR U)	H Ven	Shallow Dark Surface (TE12) // PP T
1 cm Muck (A9) (LRR P. T)	× Other	(Explain in Remarks)
Depleted Below Dark Surface (A11)	- Other	
Thick Dark Surface (A12)	P. T) ³ Indi	cators of hydrophytic vegetation and
Coast Prairie Redox (A16) (MLRA 150A)	We	tland hydrology must be present.
Sandy Mucky Mineral (S1) (LRR O, S)	un	less disturbed or problematic.
Sandy Gleved Matrix (S4)	3)	
Sandy Redox (S5)	49A)	
Stripped Matrix (S6)	RA 149A, 1530	C, 153D)
Dark Surface (S7) (LRR P, S, T, U)		
Restrictive Layer (if observed):		
Type:		
Type		
Depth (inches):	Hydric Soi	I Present? Yes 🔀 No [
Depth (inches):	Hydric Soi	I Present? Yes No [
Depth (inches):	Hydric Soi	I Present? Yes <u>No</u> [
Depth (inches):	Hydric Soi	I Present? Yes <u>No</u> [
Depth (inches):	Hydric Soi	I Present? Yes No [
Depth (inches):	Hydric Soi	I Present? Yes No [
Depth (inches):	Hydric Soi	I Present? Yes No [
Depth (inches):	Hydric Soi	I Present? Yes <u>No</u> <u></u> No <u></u>
Depth (inches):	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes <u>No</u> <u></u>
Depth (inches):	Hydric Soi	I Present? Yes <u>No</u> <u></u>
Depth (inches):	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes No
Depth (inches): emerke: SACE 87 Manual	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes No
SACE 87 Manual	Hydric Soi	I Present? Yes No
Depth (inches): emarks: SACE 87 Manual	Hydric Soi	I Present? Yes No
Depth (inches):	Hydric Soi	I Present? Yes No C
Depth (inches):	Hydric Soi	I Present? Yes No
SACE 87 Manual	Hydric Soi	I Present? Yes No
SACE 87 Manual	Hydric Soi	I Present? Yes No
SACE 87 Manual	Hydric Soi	I Present? Yes No [

Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle Transmission Line	City/County: Jeffe	erson County	Sampling Date: 5/12/2011
Applicant/Owner: Georgia Power Company		State: GA	Sampling Point: DP49 (W-27
nvestigator(s): MEN and MWW	Section, Township	Range:	
andform (hillslope, terrace, etc.):	Local relief (conca	ve. convex. none):	Slope (%):
Subregion (LRR or MLRA): LRR P	at	long:	Datum:
Soil Man Unit Name:			fication:
ve climatic / hydrologic conditions on the site typical for this	time of year? Yes		Remarka)
Are Vegetation, Soil, or Hydrology s Are Vegetation, Soil, or Hydrology n SUMMARY OF FINDINGS – Attach site map	ignificantly disturbed?	Are "Normal Circumstances (If needed, explain any answ nt locations, transec)	vers in Remarks.)
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No Democra	Is the Sam by X by X by X by X by X by X by X by X	pled Area etland? Yes	No
upland from 03wet05AN			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indi	cators (minimum of two required)
Primary Indicators (minimum of one is required; check all t	nat apply)	Surface So	il Cracks (B6)
Surface Water (A1)	er-Stained Leaves (B9)	Sparsely V	egetated Concave Surface (B8)
High Water Table (A2)	Itic Fauna (B13)		Patterns (B10)
Saturation (A3)	Deposits (B15) (LKK U)		Lines (B16)
Sediment Deposits (B2)	ized Rhizospheres on Living I	Roots (C3) Cravfish B	ITTOWS (C8)
Drift Deposits (B3)	ence of Reduced Iron (C4)		Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	ent Iron Reduction in Tilled Sc	ils (C6) Geomorph	ic Position (D2)
Iron Deposits (B5)	Muck Surface (C7)	Shallow Ac	juitard (D3)
Inundation Visible on Aerial Imagery (B7)	r (Explain in Remarks)	FAC-Neutr	al Test (D5)
Field Observations:			
Surface Water Present? Yes No Dep	th (inches):		
Water Table Present? Yes No Dep	th (inches):		
Saturation Present? Yes Ves Ves	th (inches):	Wetland Hydrology Pres	ent? Yes Vo 🖄
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, a	erial photos, previous inspec	ions), if available:	
	· · · · · · · · · · · · · · · · · · ·		
Remarks:			
Hydrologic indicators not present.			

VEGETATION - Use scientific names of plants.

Tree Stratum (Plot size		Absolute Do	minant Indicator	Dominance Test worksheet:
1 Outcous faitada 10 Tel Avou	Tree Stratum (Plot size:)	<u>% Cover</u> Sp	ecies? Status	Number of Dominant Species
2 Liquidambar styrachua 10 No No Total Number of Dominant Total Number of Dominant <td>1. Quercus faicata</td> <td>_ 25</td> <td>FACU</td> <td>That Are OBL, FACW, or FAC: 4 (A)</td>	1. Quercus faicata	_ 25	FACU	That Are OBL, FACW, or FAC: 4 (A)
3 Tile americana 8 PACU Species Across Al Strata: 7 (B) 6 Ouercus ingra 9 FAC Percent of Dominant Species 57% (AB) 7	2. Liquidambar styraciflua	10	× FAC	Total Number of Dominant
4. Outercus nigra 5 5 Finus taeda 5 5 Finus taeda 5 5 Finus taeda 5 Finus taeda 5 Finus taeda 5 Finus taeda Finus Finus Finus Finus taeda Finus Finus Finus Finus	3. Tilia americana	8	FACU	Species Across All Strata: 7(B)
g Pinus taeda 5	4. Quercus nigra	9	FAC	Development and the
6	5. Pinus taeda	5	FAC	That Are OBL EACW or EAC: 57% (A/B)
7	6.			
Saling Stratum (Plot size: 57 = Total Cover Julipty by: 1 Carya glabra 8 FACU	7			Prevalence Index worksheet:
Sapang Statum (Plot size:		57 = To	tal Cover	Total % Cover of: Multiply by:
corrus florida 8 EACW species x 2 =	Sapling Stratum (Plot size:)	= 10		OBL species x 1 =
2 Cornus florida 8 Image: FACU FAC species x 3 =	1 Carya glabra	8	🗙 FACU	FACW species x 2 =
3	2 Cornus florida	8	× FACU	FAC species x 3 =
Jestimation	3			FACU species x 4 =
*				
5	4		H	
6	5			(B)
7.	6		_ <u>_</u>	Prevalence Index = B/A =
10 = Total Cover 1 Diospyros virginiana 10 E FAC 2 Image: Solution of the size is the solution of the solution o	7			Hydrophytic Vogetation Indicators:
Stratum (Plot size:) 10 FAC Prevalence field is 30% 2		<u>16</u> = To	tal Cover	Partices of Test is a 500/
1 Ulospyros virginiana 10 X FAC IP readlence index is 5.3 0° 2 Image: constraint of the second strate of	Shrub Stratum (Plot size:)	10	— — — —	Dominance lest is >50%
2	1. Diospyros virginiana	10	× FAC	Prevalence Index is ≤3.0'
3	2			Problematic Hydrophytic Vegetation ¹ (Explain)
4	3.			
5	4			¹ Indicators of hydric soil and wetland hydrology must
6.	5			be present, unless disturbed or problematic.
0.			—	Definitions of Vegetation Strate:
7. 10 = Total Cover Heb Stratum (Plot size:) 10 = Total Cover 1 Chasmanthium sessiliflorum 5 X 2.	8			Deminions of vegetation Strata.
Herb Stratum (Plot size:) 10	7	10		Tree – Woody plants, excluding woody vines,
Image: Stratum (Plot size) 5 Image: FAC Sapling - Woody plants, excluding woody vines, approximately 20 ft (m) or more in height and less than 3 in. (7.6 cm) DBH. 3 Image: Stratum (Plot Size) Shrub - Woody plants, excluding woody vines, approximately 20 ft (1 to 6 m) in height. 4 Image: Stratum (Plot Size) Shrub - Woody plants, excluding woody vines, approximately 20 ft (1 to 6 m) in height. 6 Image: Stratum (Plot Size) Shrub - Woody plants, excluding woody vines, expanders of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height. 10 Image: Stratum (Plot size) Strub - Woody vines, regardless of height. 11 Image: Stratum (Plot size) Strub - Woody vines, regardless of height. 12 Image: Stratum (Plot size) Strub - Woody vines, regardless of height. 13 Image: Stratum (Plot size) Strub - Woody vines, regardless of height. 14 Image: Strub -	Harb Stratum (Plataiza)	<u> </u>	tal Cover	approximately 20 ft (6 m) or more in height and 3 in.
1 Original drifting to be only a second drifting to be on	Chasmanthium sessiliflorum	5	FAC	(7.6 cm) or larger in diameter at breast height (DBH).
2.		_ <u> </u>		Sapling – Woody plants, excluding woody vines,
3.	2			approximately 20 ft (6 m) or more in height and less
4.	3			than 3 in. (7.6 cm) DBH.
5.	4			Shrub - Woody plants, excluding woody vines,
6.	5			approximately 3 to 20 ft (1 to 6 m) in height.
7.	6.			Hash All bashessour (and used a) starts including
8.	7			herbaceous vines regardless of size Includes woody
3 ft (1 m) in height. 9. 10. 11. 12. 5. 5. 5. 10. 11. 12. 5. 5. 13. 14. 15. 16. 17. 18. 19. 11. 12. 12. 13. 14. 15. 16. 17. 18. 19. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 19. 10. 10.	8			plants, except woody vines, less than approximately
9.	0			3 ft (1 m) in height.
10.	9		<u> </u>	Woody vine - All woody vines regardless of height
11.	10			troody the Antitoody thes, regardless of height.
12. 5 = Total Cover Woody Vine Stratum (Plot size:) 8 × FAC 1. Smilax rotundifolia 8 × FAC 2.	11		_ <u> </u>	
Similar rotundifolia 5 = Total Cover 1. Smilar rotundifolia 8 FAC 2. 9 9 3. 9 9 4. 9 9 5. 9 9 8 9 9 9 9 9 1. 9 9 1. 9 9 1. 9 9 1. 9 9 1. 9 9 1. 9 9 1. 9 9 1. 9 9 1. 9 9 1. 9 9 1. 9 9 2. 9 9 3. 9 9 4. 9 9 5. 9 8 6. 9 9 7 9 9 8 9 9 9 9 9 9 9 9	12			
Woody Vine Stratum (Plot size:) 8 FAC 1. Smilax rotundifolia 8 FAC 2		5 = Tot	tal Cover	
1. Smilax rotunditolia 0 X FAC 2.	Woody Vine Stratum (Plot size:)	0		
2.	1. Smilax rotunditolia		FAC	
3.	2			
4.	3			
5. 8 = Total Cover Hydrophytic Vegetation Present? Remarks: (If observed, list morphological adaptations below). No Image: Species with "n/a" were not used in the dominance calculation.	4.			
8 = Total Cover Vegetation Present? Yes No Remarks: (If observed, list morphological adaptations below). Species with "n/a" were not used in the dominance calculation.	5			Hydrophytic
Remarks: (If observed, list morphological adaptations below). Species with "n/a" were not used in the dominance calculation.		8 - Tot	al Cover	Present? Yes X No
Remarks: (If observed, list morphological adaptations below). Species with "n/a" were not used in the dominance calculation.		= 101		
Species with "n/a" were not used in the dominance calculation.	Remarks: (If observed, list morphological adaptations b	elow).		
	Species with "n/a" were not used in the domin	nance calculation	on.	

SOIL

inchesp. Color (moist) % Lyne Loamy Sand 6 - 18 10YR6/4 100 L. Sand Loamy Sand 7/pe: C-Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered of Coated Sand Grains *Location PL=Pore Lining, M=Matrix,	Denth	Matrix		Redo	x Features		or comm	the absenc	• •• •• ••		
0. 6 10YR7/1 100 L. Sand Loamy Sand 6 - 18 10YR6/4 100 L. Sand Loamy Sand Type: C-Concentration. D=Depletion. RM=Reduced Matrix. CS=Covered of Coated Sand Grains *Location: PL=Pore Lining, M=Matrix Mark Soli (A1) Polyvalue Below Surface (Sb) (LRR S, T, U) 1 cm Muck (A9) (LRR R) 1 cm Muck (A9) (LRR R) Histic Expection (A2) Depleted Book Surface (F2) 1 cm Muck (A9) (LRR R, T, U) 1 cm Muck (A9) (LRR R, T, U) Drighted Below Chark Surface (F2) Depleted Cobrix (F2) Cmman Solis (F20) (MLR A 150) Muck Yafaee (A2) Depleted Cobrix (F2) Mark (F3) (LRR R, T, U) Depleted Below Chark Surface (F7) Mark Stafaee (F3) (LRR R, T, U) Perform Meenaries Depleted Below Chark Surface (F7) Mark F30A Perform Meenaries Sandy Cleyed Matrix (F3) Depleted Cobric (F1) (MLRA 151) Perform Meenaries Depleted Cobrix (F1) Mark F10 (LRR P, T, U) Perform Meenaries Perform Meenaries Sandy Cleyed Matrix (F3) Depleted Cobrix (F1) (MLRA 151) Perform Meenaries Perform Meenaries Sharped Metrix (F3) Depleted Cobrix (F1) (MLRA 151) Perform Meenaries Perform Meenaries Startife L	(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
6 - 18 10YR6/4 100 L. Sand Loamy Sand "Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains. *Location: PL=Pore Lining, M=Matrix. tradicators in the component of the compo	0 - 6	10YR7/1	100					L. Sand	Loamy Sa	and	
Type: Cocking Control Cocking Control Control Type: Cocking Control Cocking Control Control Cocking Control	6 - 18	10YR6/4	100					I Sand	Loamy S	and	
Type: C-Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains ¹ Location: PL=Pore Lining, M=Matrix, txdrd: Solid Site (Solid Site) Histosol (A1) Histosol (A1) Histosol (A1) Histosol (A1) Histosol (A1) Histosol (A2) Histosol (A1) Histosol (A1) Histosol (A1) Histosol (A1) Histosol (A2) Histosol (A1) Histosol (A1) Histosol (A1) Histosol (A1) Sern Mucky Mineral (A2) (LRR P, T, I) Depletion Before Darks Surface (F3) Herdix C(F2) Herdix Dark Surface (A1) Depletion Before Darks Surface (A11) Herdix Dark Surface (A12) Herdix Dark Surface (F1) (MLRA 151) herdix Dark Surface (F1) (MLRA 151) Sandy Cleyed Matrix (S6) Herdix Orbit (S1) (LRR C, S) Sandy Cleyed Matrix (S6) herdix Orbit (S1) (LRR C, S) Sandy Cleyed (Hots (K16) Herdix Orbit (S1) (LRR C, S) Herdix (S1) herdix N1) Dark Surface (S7) (LRR P, S, T, U) Herdix Here (S1) Herdix Here (S1) here Here (S1) Dark Surface (S7) (LRR P, S, T, U) Here (S1) Here (S1) Here Here (S1)											
"Type: C-Concentration, D-Depletion, RM=Reduced Matrix, CS-Covered or Coated Sand Grains," *Location: PL=Pore Lining, M=Matrix, Molecators for Problematic Hydric Solis", Indicators (S0) (LRR S, T, U) Histic Solio (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A0) (LRR P) Bitack Histic (A3) Polyvalue Below Surface (S8) (LRR S, T, U) 2 cm Muck (A10) (LRR P) Organic Bodie (A6) (LRR P, T, U) Depleted Matrix (F2) 2 cm Muck (A10) (LRR P, T, U) Muck Yolineral (A10) Depleted Cobre (F1) Performatic Hydric Solis (F20) Muck Yolineral (A10) Depleted Bodie (A6) (LRR P, T, U) Performatic Hydric Solis (F12) (LRR T, U) Depleted Bodie (A6) (LRR P, T) Depleted Bodie (A6) (LRR P, T) Performatic Hydric Solis (F12) (LRR P, T) Depleted Bodie (A6) (LRR P, T) Depleted Bodie (C11) (LRR A 151)											
Type: C=Cancentration. D=Depletion, RM=Reduced Matrix. CS=Covered or Coated Sand Grains ² Location. PL=Pore Lining, M=Matrix. Mode (A9) (LRR 0) Histos (A1) Histos (A2) Histos (A3) Hore (A4) Hore (A5) Hore (A4) Hore (A5) Hore (A5) Ho											
Type: C=Cancentration. D=Depletion. RM=Reduced Matrix. CS=Covered or Coasted Sand Grains. ² Location. PL=Pore Lining, M=Matrix. Type: C=Cancentration. D=Depletion. RM=Reduced Matrix. CS=Covered or Coasted Sand Grains. ² Location. PL=Pore Lining, M=Matrix. Histo: Depletion (A2) Depletion Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A10) (LRR S) Black.Histic (A3) Depletion Matrix (F2) Coarmy Mucky Mineral (F1) (LRR P, T, U) Reduced Vertic (F1) (MLRA 150) Organic Bodes (A6) (LRR P, T, U) Depleted Dark Surface (F7) Anomalous Binghi Loamy Soils (F20) Anomalous Binghi Loamy Soils (F20) Muck Presence (A8) (LRR V, 1) Depleted Dark Surface (F1) Matrix (F1) (LRR P, T, U) Depleted Dark Surface (F1) Depleted Below Dark Surface (A10) The Chark Surface (A11) The Chark Surface (A12) *Indicators of hydrophytic vegetation and wetland hydrology must be present. Sandy Mucky (S9) Depleted Ochice (F11) (MLRA 150) Beduced Vertic (F13) (MLRA 150, 1508) *Indicators of hydrophytic vegetation and wetland hydrology must be present. Sandy Mucky (S9) Reduced Vertic (F13) (MLRA 150, 1508) *Indicators of hydrophytic vegetation and wetland hydrology must be present. Dark Surface (S9) Reduced Vertic (F13) (MLRA 150, 1508) *Indicators of hydrophytic vegetation and wetland hydrology must be present. <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>											
Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ² Location. PL=Pore Lining, M=Matrix, Indicators for Problematic Hydric Solls ¹ . Histos (A1) Histos (A2) Damy Surface (S9) (LRR S, T, U) Car Muck (A9) (LRR C) Black Hist (CA3) Damy Mucky (Mareria (F1) (LRR P, T, U) Carm Mucky (Mareria (A7) (LRR P, T, U) Pedenone Floodpain Solis (F19) (LRR P, S, T) Straffed Layser (A5) Depleted Matrix (F2) Pedenone Floodpain Solis (F19) (LRR P, S, T) Depleted Matrix (F2) Depleted Matrix (F2) Pedenone Floodpain Solis (F19) (LRR P, S, T) Depleted Matrix (F2) Depleted Matrix (F2) Pedenone Floodpain Solis (F19) (LRR T, U Depleted Matrix (F2) Depleted Matrix (F2) Pedenone Floodpain Solis (F12) (LRR T, U Depleted Matrix (F2) Depleted Matrix (F2) Pedenone Floodpain Remarks) Depleted Matrix (F2) Depleted Matrix (F2) Pedenone Floodpain Remarks) Depleted Matrix (F2) Depleted Matrix (F2) No Sandy Gleve Matrix (F3) Pedonone Floodpain Solis (F19) (MLRA 165) Pedonone Floodpain Solis (F19) (MLRA 165) Sandy Gleve Matrix (F3) Pedonone Floodpain Solis (F19) (MLRA 165A, 150B) Pedonone Floodpain Solis (F19) (MLRA 165A, 150B) Sandy Gleve Matrix (S6) Sandy Gleve Matrix (S6)					•				•		
Type: C=Cancentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains ¹ Location: PL=Pore Lining, M=Matrix, Histo: Epipedon (A2) Histo: Histo: Polyvalue Below Surface (S8) (LRR S, T, U) Histo: Epipedon (A2) 1 orm Muck (A10) (LRR S) Reduced Vertic (F10) gutstide MLRA 150A, Hydrogn Surface (A2) Biack Histic (A3) Depleted Matrix (F2) Depleted Arks: (F2) Muck (Mineral (A7) (LRR P, T, U) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Below Dark Surface (F10) Muck (A10) (LRR A 150A, Depleted Below Dark Surface (F11) Unron-Marganese Masses (F12) (LRR P, T, U) Depleted Below Dark Surface (A10) Muck (A10) (MLRA 150A, Sandy Mucky (S1) Sandy Mucky (S1)											
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grans. *_Lcacitors.		-									
Hydric Soil Indicators: Indicators for Problematic Hydric Soils': Histos (A1) Polyvalue Below Surface (S8) (LRR S, T, U) Indicators for Problematic Hydric Soils': Black Histic (A3) Damy Mudxy Mineral (F1) (LRR O) Reduced Vertic (F18) (ULRR S, D) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F2) Reduced Vertic (F18) (ULRR T, U) Organic Bodies (A6) (LRR P, T) Depleted Dark Surface (F7) Red Dark Surface (F7) Mudx Presence (A8) (LRR O, S) Depleted Dark Surface (F12) Depleted Dark Surface (F12) Sandy Mucky Mineral (S1) (KRR O, S) Sandy Mucky (Mineral (S1) (KRR O, S) Sandy Mucky (Mineral (S1) (KRR O, S) Sandy Mucky (S5) Bedued Vertic (F18) (MLRA 150, 100 B) Indicators of hydrophytic vegetation and wetland typrology must be present, unless disturbed or problematic. Sandy Mucky (S5) Bedued Vertic (F18) (MLRA 150, 150 B) Indicators of hydrophytic vegetation and wetland typrology must be present, unless disturbed or problematic. Type:	¹ Type: C=0	Concentration, D=Dep	oletion, RM=R	educed Matrix, CS	S=Covered	or Coate	ed Sand Gr	ains. ² L	ocation: PL=F	Pore Lining, I	M=Matrix.
Histic Epipeon (A2) Polysatic Below Surface (S8) (LRR S, T, U) I cm Muck (A10) (LRR C) Histic Epipeon (A2) Damy Gleyed Martx (F2) Pedmont Floodplain Soils (F19) (LRR C) Stratified Layers (A5) Dogma (Bode Martx (F2) Pedmont Floodplain Soils (F19) (LRR C) Sorn Mucky Mineral (A7) (LRR P, T, U) Pedevature (S8) (LRR R) Pedmont Floodplain Soils (F19) (LRR C) Sorn Mucky Mineral (A7) (LRR P, T) Pedevature (S10) Pedevature (S10) Depleted Dark Surface (A12) Pedevature (S10) Pedevature (S10) Thick Dark Surface (A12) Pedevature (S10) Pedevature (S10) Casar Praine Redox (A16) (MLRA 150) Poepleted Dark Masses (F12) (LRR P, T, U) Pedevature (S10) Sandy Mucky Mineral (S1) (LRR O, S) Pedevature Masses (F12) (LRR P, T, U) Pedevature (S10) Sandy Mucky Mineral (S1) (LRR O, S) Peduced Veric (F13) (MLRA 150) Pindicators of hydrophytic wegetation and wetland hydrology must be present. unless disturbed or problematic. Sandy Redox (S5) Pedmont Floodplain Soils (F19) (MLRA 149A, 149A, 149A, 149A, 153C, 153D) Patrictive Layer (If Observed): Type: Pedmont Floodplain Soils (F19) (MLRA 149A, 149A, 149A, 153C, 153D) Patrictive Soil Present? Yes No Yes Veric soil Indicators not present. No Yes No <td>Hydric Soi</td> <td>I Indicators:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Indicator</td> <td>s for Problem</td> <td>natic Hydric</td> <td>Soils³:</td>	Hydric Soi	I Indicators:						Indicator	s for Problem	natic Hydric	Soils ³ :
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfde (A4) Black Histic (A3) Corganic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F6) Corganic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Muck Prisene (A8) (LRR P, T) Depleted Dark Surface (F7) Corganic Bodies (A6) (LRR P, T) Depleted Dark Surface (F7) Redox Dark Surface (F7) Redox Dark Surface (F7) Depleted Dark Surface (F7) Redox Dark Surface (F7) Corganic Bodies (A6) (LRR P, T) Depleted Dark Surface (F7) Redox Dark Surface (F7) Depleted Dark Surface (F7) Redox Dark	Histoso	ol (A1)		Polyvalue Be	low Surfac	e (S8) (L	RR S, T, L) 🗌 1 cm	Muck (A9) (LI	RR O)	
Black Histic (A3)	Histic E	Epipedon (A2)		- Thin Dark Su	irface (S9)	(LRR S,	T, U)	2 cm	Muck (A10) (I	.RR S)	
Hydrogen Sulfide (A4)	Black H	Histic (A3)		Loamy Muck	y Mineral (I	F1) (LRR	(O)	Redu	ced Vertic (F1	8) (outside	MLRA 150A,
Stratified Layers (A5)	Hydrog	en Sulfide (A4)		Loamy Gleye	ed Matrix (F	-2)		Piedr	nont Floodplai	n Soils (F19)) (LRR P, S,
Organic Bodies (A6) (LRR P, T, U) Image: Construction of the second consecond consecond consecond construction of the second construction	Stratifie	ed Layers (A5)		Depleted Ma	trix (F3)			Anon Anon	alous Bright L	oamy Soils	(F20)
bern Muck Presence (AB) (LRR P, T) bepleted Dark Surface (F1) const Prairie Redox (A16) (MLRA 150A) bepleted Below Dark Surface (F1) bepleted Below Dark Surface (F1) bepleted Cohnic (F11) (MLRA 151) bepleted Below Dark Surface (F12) const Prairie Redox (A16) (MLRA 150A) bepleted Cohnic (F11) (MLRA 151) bepleted Cohnic (F11) (MLRA 151) bepleted Cohnic Surface (F13) (LRR P, T, U) bepleted Cohnic (F11) (MLRA 151) bela Ochic (F11) (MLRA 154) bela Ochic	Organi	c Bodies (A6) (LRR P	ν, Τ, U)	Redox Dark	Surface (F6	5)		(ML	.RA 153B)		
Image: Presence (va) (LRR U) Image: Preson (F8) Image: Preson (F8) <td< td=""><td>5 cm M</td><td>lucky Mineral (A7) (L</td><td>RR P, T, U)</td><td>Depleted Da</td><td>rk Surface</td><td>(F7)</td><td></td><td>Red</td><td>Parent Materia</td><td>I (TF2)</td><td></td></td<>	5 cm M	lucky Mineral (A7) (L	RR P, T, U)	Depleted Da	rk Surface	(F7)		Red	Parent Materia	I (TF2)	
Const Praine (Poly LRR P, 1) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Coast Praine Redox (A16) (MLRA 150A) Deplet Ochric (F11) (MLRA 151) Deplet Ochric (F11) (MLRA 150, 150B) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Dark Surface (F3) (MLRA 150, 150B) Destrictive Layer (If observed): Type: Depth (inches): Perdonal Surface (F3) (MLRA 150, 150B) Hydric Soil Present? Yes No K No K No K	Muck F	resence (A8) (LRR L)	Redox Depre	essions (F8)		Very	Shallow Dark	Surface (TF	12) (LRR T, l
Depicted below betwork outside (v11) Proprese Masses (F12) (LRR 0, P, T) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR 0, S) Breduced Vertic (F13) (MLRA 150, 150B) Delta Ochric (F17) (MLRA 150A, 150B) Sandy Reduck (S5) Breduced Vertic (F18) (MLRA 150A, 150B) Delta Ochric (F17) (MLRA 150A, 150B) Stripped Matrix (S6) Delta Ochric (F17) (MLRA 150A, 150B) Delta Ochric (F17) (MLRA 150A, 150B) Dark Sufface (S7) (LRR P, S, T, U) Anomalous Bright Learny Soils (F20) (MLRA 149A, 153C, 153D) Dark Sufface (S7) (LRR P, S, T, U) Stripped Matrix (S6) Hydric Soil Present? Yes No No Depth (inches): Hydric Soil Present? Yes No Demode: No No		ABELOW Dark Surface	ο (Δ11)		ric (E11)		54)	Uther	(Explain in R	emarks)	
Indicators on type: Indicators on type:<	Thick D	ark Surface (A12)	æ (ATT)	Liron-Mangan		MLKA 1		T) ³ Ind	icators of bud	ophytic yogo	station and
Sandy Mucky Mineral (S1) (LRR 0, S) Defia Ochric (F17) (MLRA 150) unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR 0, S) Defia Ochric (F17) (MLRA 150) unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR 0, S) Defia Ochric (F13) (MLRA 150A, 150B) unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR 0, S) Defia Ochric (F17) (MLRA 151) unless disturbed or problematic. Sandy Redox (S5) Defia Ochric (F13) (MLRA 150A, 150B) Defia Ochric (F13) (MLRA 149A), 153C, 153D) Stripped Matrix (S6) Defia Ochric (F13) (MLRA 150) Hydric Soil Present? Yes Depth (inches):	Coast F	Prairie Redox (A12)	MI RA 150A)			RRPT	LKK 0, F,	1) IIIU We	stland hydrolog	av must be n	
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Solis (F19) (MLRA 149A) Anomalous Bright Learny Solis (F19) (MLRA 149A, 153C, 153D) Anomalous Bright Learny Solis (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Type:	Sandy	Mucky Mineral (S1) (LRR O. S)	Delta Ochric	(F17) (MLF	RA 151)	, 0,	ur	less disturbed	or problem:	atic
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No Restrictive Layer (If observed): Hydric Soil Present? Yes Type: No Depth (inches): Hydric Soil Present? Yes No Restrictive Layer (If observed): Type: No Depth (inches): No Vermarke: No	Sandy	Gleved Matrix (S4)	,	Reduced Ver	tic (F18) (N	ILRA 15	0A. 150B)			or problem	atro.
Stripped Matrix (S6)	Sandy	Redox (S5)		Piedmont Flo	odplain So	ils (F19)	(MLRA 14	9A)			
Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No Temeske:	Strippe	d Matrix (S6)		Anomalous E	Bright Loam	y Soils (I	F20) (MLR	A 149A, 153	C, 153D)		
Restrictive Layer (if observed): Type:	Dark Si	urface (S7) (LRR P, S	S, T, U)								
Type:	Restrictive	Layer (if observed)	:								
Depth (inches): No Komerke: Nomerke:	Туре:			_							
lydric soil indicators not present.	Depth (ir	nches):		_				Hydric So	il Present?	Yes_	No No
lydric soil indicators not present.	Remarke:										
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
lydric soil indicators not present.											
iyaric soli indicators not present.											
	łydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								
	lydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								
	łydric soil	indicators not pre	esent.								

Stream Feature Datasheet

Feature No.: P-4	Map No.: 5d	Feature ID.: 03per02N	Type: Perennial	
Date Surveyed: 5/12/2011 County: Jefferson		Watershed: Brier		
8-Digit HUC1: 03060108		12-Digit HUC: 0306010	80204	
Acreage: 0.2		Length: 475 linear feet		
Substrate: Sand Width ² : 12 - 15 linear feet		Depth3: 1.0 – 1.5 feet		

Comments: Rayburn Branch



- 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: 5/12/11 Project Site: Thomson-Vogtle	Feature No.:	P-4 (Rayburn Branch)
Evaluator: MEN & MWW County: Jefferson, GA	Feature ID: 0	3per02N
Parameter	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	Strong	3
4. Particle size of stream substrate	Strong	3
5. Active/relict floodplain	Strong	3
6. Depositional bars or benches	Strong	3
7. Recent alluvial deposits	Strong	3
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	Strong	1.5
16. Organic debris lines or piles	Strong	1.5
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	Strong	3
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:		55.5
Stream Type:		Perennial

Stream Feature Datasheet

Feature No.: I-5	Map No.: 5d	Feature ID.: 03int02N	Type: Intermittent	
Date Surveyed: 5/19/2011 County: Jefferson		Watershed: Brier		
8-Digit HUC1: 03060108		12-Digit HUC: 0306010	80204	
Acreage: 0.01		Length:90 linear feet		
Substrate: Sand Width ² : 10.0 linear feet		Depth3: 1.5 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.

Date: 5/12/11 Project Site: Thomson-Vogtle	Feature No.:	I-5
Evaluator: MEN & MWW County: Jefferson, GA	Feature ID: 0	03into2N
Parameter	Scoring Category	Numerical Score
A. Geomorphology		
1. 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	Moderate	2
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)	Yes	3
B. Hydrology		
12. Presence of Baseflow	Weak	1
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	Weak	2
20. Macrobenthos	Weak	1
21. Aquatic mollusks	Absent	0
22. Fish	Absent	0
23. Crayfish	Strong	1.5
24. Amphibians	Strong	1.5
25. Algae	Absent	0
26. Wetland plants in streambed (FACW=0.75; OBL=1.5; Other=0)	Other	0
Total Points:	er-eferiette	29.5
Stream Type:		Intermittent



Feature No.: W-28	Map No.: 5d, 5e	Feature ID.: 03wet05BN	Type: Forested & Scrub- Shrub			
Date Surveyed: 5/12/2011	County: Jefferson	Watershed: Brier				
8-Digit HUC1: 03060108		12-Digit HUC: 030601080204				
Total Acreage: 1.62		Forested Acreage: 0.55				
Dominant Vegetation: Lirio	lendron tulinifera Acer ruh	rum Liquidambar sturaciflua	Ilex opaça Arundinaria			

Dominant Vegetation: Liriodendron tulipifera, Acer rubrum, Liquidambar styraciflua, Ilex opaca, Arundinaria gigantea, Smilax rotundifolia

Comments:





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



Feature No.: W-28	Map No.: 5d, 5e	Feature ID.: 03wet05BN	Type: Forested & Scrub- Shrub			
Date Surveyed: 5/12/2011	County: Jefferson	Watershed: Brier				
8-Digit HUC ¹ : 03060108		12-Digit HUC: 030601080204				
Total Acreage: 1.62		Forested Acreage: 0.55				
Dominant Vegetation: Lirio	lendron tulinifera. Acer ruh	brum Liquidambar sturaciflua Ilex opaça Arundinaria				

Dominant Vegetation: Liriodendron tulipifera, Acer rubrum, Liquidambar styraciflua, Ilex opaca, Arundina gigantea, Smilax rotundifolia

Comments:





Feature No.: W-29		Feature ID.: 03wet06N Type: Forested & Scrub- Shrub			
Date Surveyed: 5/12/2011	County: Jefferson	Watershed: Brier			
8-Digit HUC ¹ : 03060108		12-Digit HUC: 030601080204			
Total Acreage: 0.39		Forested Acreage: 0.24			
Dominant Vegetation: Maan	olia virainiana Liauidamh	phar styragiflya Sambyeys canadensis Amundinamia ajaantee			

Dominant Vegetation: Magnolia virginiana, Liquidambar styraciflua, Sambucus canadensis, Arundinaria gigantea, Saccharum giganteum, Carex atlantica

Comments:



Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Applicant/Owner: Georgia Power Company hvestigator(s): MEN and MWW andform (hillslope, terrace, etc.): bubregion (LRR or MLRA): LRR P Lat: coil Map Unit Name: re climatic / hydrologic conditions on the site typical for this time of	State: GA	DP50 (W-29)
nvestigator(s): MEN and MWW .andform (hillslope, terrace, etc.):	Section, Township, Range:	Sampling Point: D1 00 (11 20
andform (hillslope, terrace, etc.):		
Subregion (LRR or MLRA): LRR P Lat: Soil Map Unit Name:	Local relief (concave, convex, none):	Slope (%):
oil Map Unit Name:	Long:	Datum:
re climatic / hydrologic conditions on the site typical for this time of	NWI cla	ssification:
re Vegetation, Soil, or Hydrology significa re Vegetation, Soil, or Hydrology naturally SUMMARY OF FINDINGS – Attach site map show	of year? Yes <u>No</u> (If no, explain antly disturbed? Are "Normal Circumstand y problematic? (If needed, explain any a ring sampling point locations, trans e	n in Remarks.) ces" present? Yes <u>No</u> no nswers in Remarks.) ects, important features, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland?	No
IYDROLOGY Wetland Hydrology Indicators:	Secondary	ndicators (minimum of two required)
Primary Indicators (minimum of one is required: check all that apr	bly) Surface	Soil Cracks (B6)
 Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Inon Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stain Water-Stain Aquatic Fau Aquatic Fau Aquatic Fau Aquatic Fau Aquatic Fau Marl Depos Marl Depos Marl Depos Marl Depos Recent Iron Thin Muck 5 Other (Expl 	ned Leaves (B9) Sparsel una (B13) Drainag sits (B15) (LRR U) Moss Ti Sulfide Odor (C1) Dry-Sea hizospheres on Living Roots (C3) Crayfish f Reduced Iron (C4) Saturati n Reduction in Tilled Soils (C6) Shallow Surface (C7) Shallow ain in Remarks) FAC-Net	y Vegetated Concave Surface (B8) e Patterns (B10) rim Lines (B16) ason Water Table (C2) n Burrows (C8) on Visible on Aerial Imagery (C9) rphic Position (D2) Aquitard (D3) eutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (incl Water Table Present? Yes No Depth (incl Saturation Present? Yes No Depth (incl Saturation Present? Yes No Depth (incl Cincludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pl	hes): hes): hes): wetland Hydrology Pr hotos, previous inspections), if available:	resent? Yes <u>X</u> No <u></u>
Remarks	notos, previous inspections), il available.	

VEGETATION - Use scientific names of plants.

Status
Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
Total Number of Dominant Species Across All Strata: 6(B)
Percent of Dominant Species That Are OBL_FACW. or FAC: 100% (A)
Prevalence Index worksheet:
r 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) (E
Prevalence Index = B/A =
Hydrophytic Vegetation Indicators:
Dominance Test is >50%
FACW Prevalence Index is ≤3.0 ¹
FAC Problematic Hydrophytic Vegetation ¹ (Explain)
FACW
¹ Indicators of hydric soil and wetland hydrology must
be present, unless disturbed or problematic.
Definitions of Vegetation Strata:
Tree – Woody plants, excluding woody vines,
approximately 20 ft (6 m) or more in height and 3 in.
FACW
FACW Sapling – Woody plants, excluding woody vines,
FACW than 3 in. (7.6 cm) DBH
N/A
FACW Shrub – Woody plants, excluding woody vines,
OBI
Herb – All herbaceous (non-woody) plants, including
N/A herbaceous vines, regardless of size. Includes wood
3 ft (1 m) in height.
Woody vine – All woody vines, regardless of height.
Hydrophytic Wegetation
Present? Yes No
-

SOIL

Depth	Matrix		Redo	x Feature	s						
inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	arks	
- 5	10YR2/1	100					L. Sand	Loamy S	Sand; N	lucky M	ineral
-18	10YR5/1						Sand				
				-							
				-							
							_				
		_		_	-						
		-									
ype: C=C	Concentration, D=Dep	oletion, RM=R	educed Matrix, C	S=Covered	d or Coate	d Sand G	rains. ² L	ocation: PL=	Pore Lin	ing, M=M	latrix.
dric Soil	I Indicators:			- I 0	(00) (1	DD 0 T	Indicator	s for Proble	matic Hy	dric Soil	s':
Histoso	DI (A1) Epipedon (A2)		Thin Dark Si	urface (S9)	ce (S8) (L	T U)	U) ∐ 1 cm	Muck (A9) (L	(IRR S)		
Black F	Histic (A3)		Loamy Much	y Mineral	(F1) (LRR	(0)	Redu	ced Vertic (F	18) (out s	side MLR	A 150
Hydrog	en Sulfide (A4)		Loamy Gley	ed Matrix (F2)		Piedr	nont Floodpla	ain Soils	(F19) (LF	R P, S
Stratifie	ed Layers (A5)		Depleted Ma	atrix (F3)	-0)		Anon	alous Bright	Loamy S	Soils (F20)
5 cm M	c Bodies (A6) (LRR F lucky Mineral (A7) (I	', I, U) RRPTU)		surface (F	·6) · (F7)		(MI Red I	-RA 153B) Parent Mater	ial (TE2)		
Muck F	Presence (A8) (LRR L	J)	Redox Depr	essions (F	8)		Verv	Shallow Dark	(Surface	(TF12) (LRR T
1 cm M	luck (A9) (LRR P, T)		Marl (F10) (I	RR U)	1		D Othe	(Explain in I	Remarks))	
Deplete	ed Below Dark Surfac	e (A11)	Depleted Oc	hric (F11)	(MLRA 1	51)	- 3.				
Thick D)ark Surface (A12) Prairie Redox (A16) (I	AL DA 150A)		ese Mass	es (F12) (PPPT	LRR O, P	, T) Ind	icators of hydrol	drophytic	vegetatio	in and
Sandy	Mucky Mineral (S1)	LRR O, S)	Delta Ochric	(F17) (ML	RA 151)	, 0)	ur	less disturbe	d or prot	be prese	an,
Sandy	Gleyed Matrix (S4)		Reduced Ve	rtic (F18) (MLRA 15	0A, 150B)				
Condu	Redox (S5)		Piedmont Fl	oodplain S	oils (F19)	(MLRA 1	49A)				
Sanuy											
Strippe	d Matrix (S6)	S T 10	Anomalous I	Bright Loar	my Soils (I	F20) (MLF	RA 149A, 153	C, 153D)			
Strippe Dark Su	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D)			
Strippe Dark Si strictive	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U)	Anomalous I	Bright Loar	my Soils (I	F20) (MLF	RA 149A, 153	C, 153D)			
Sandy Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) nches):	s, T, U)	_LJAnomalous I	Bright Loar	my Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U) :	_LAnomalous I	3right Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U) :	_LAnomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U) :	_L_Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) nches):	S, T, U)	_LJAnomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	<u>×</u> N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U) :	_L_Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	<u>×</u> N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U) : 	_LJAnomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U)	_LJAnomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	<u>×</u> N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) nches):	S, T, U) :	_LJAnomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	× N	o
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U) :	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed)	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) nches):	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	Hydric So	C, 153D) Il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir marke:	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) nches):	S, T, U) :	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) nches):	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	o
Strippe Dark Si strictive Type: Depth (ir marke:	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) nches):	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	× N	o
Strippe Dark Si strictive Type: Depth (ir marke:	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) nches):	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir marke:	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) Inches):	S, T, U)		Bright Loar	ny Soils (I	F20) (MLF	Hydric So	C, 153D) il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir marke:	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) Inches):	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) il Present?	Yes	× N	o
Strippe Dark Si strictive Type: Depth (ir marke:	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) Inches):	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir marke:	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) Inches):	S, T, U)	Anomalous I	Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	× N	0
Strippe Dark Si strictive Type: Depth (ir marke:	d Matrix (S6) urface (S7) (LRR P, S Layer (if observed) Inches):	S, T, U)		Bright Loar	ny Soils (I	F20) (MLF	RA 149A, 153	C, 153D) Il Present?	Yes	× N	0

Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle Transmission Line	City/County: Jeff	erson County	Sampling Date: 5/12/2011
Applicant/Owner: Georgia Power Company		State: GA	Sampling Point: DP51 (W-29
vestigator(s): MEN and MWW	Section, Townshi	o, Range:	
andform (hillslope, terrace, etc.):	Local relief (conca	ave, convex, none):	Slope (%):
Subregion (LRR or MLRA): LRR P	at:	Long:	Datum:
Soil Map Unit Name:		NWI class	ification:
are climatic / hydrologic conditions on the site typical for this	time of year? Yes	No (If no explain in	Remarks
	ignificantly disturbed?	Are "Normal Circumstances	" present? Yes X No
	aturally problematic?	(If needed, explain any ans	wers in Remarks)
		(in necoco, explain any ans	wers in Remarks.)
SUMMARY OF FINDINGS – Attach site map	showing sampling po	int locations, transec	ts, important features, etc.
Hydrophytic Vegetation Present? Yes N		and Anna	
Hydric Soil Present? Yes N	o X Is the San	otland2	
Wetland Hydrology Present? Yes N		retiand? Tes	
Remarks:			
upland point for 03wot06N			
upland point for oswetoon			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Ind	icators (minimum of two required)
Primary Indicators (minimum of one is required; check all t	hat apply)	Surface S	oil Cracks (B6)
Surface Water (A1)	er-Stained Leaves (B9)	Sparsely \	/egetated Concave Surface (B8)
High Water Table (A2)	atic Fauna (B13)	Drainage	Patterns (B10)
Saturation (A3)	Deposits (B15) (LRR U)	Moss Trim	Lines (B16)
Water Marks (B1)	ogen Sulfide Odor (C1)	Dry-Seaso	on Water Table (C2)
Sediment Deposits (B2)	ized Rhizospheres on Living	Roots (C3) 🔲 Crayfish B	urrows (C8)
Drift Deposits (B3)	ence of Reduced Iron (C4)	Saturation	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	ent Iron Reduction in Tilled S	oils (C6) 📙 Geomorph	nic Position (D2)
Iron Deposits (B5)	Muck Surface (C7)	Shallow A	quitard (D3)
Inundation Visible on Aerial Imagery (B7)	er (Explain in Remarks)	FAC-Neut	ral Test (D5)
Field Observations:			
Surface Water Present? Yes Vo Per	oth (inches):		
Water Table Present? Yes Ves Open	oth (inches):		
Saturation Present? Yes Ves Ves Ves	oth (inches):	Wetland Hydrology Pres	ent? Yes Vo C
Describe Recorded Data (stream gauge, monitoring well, a	aerial photos, previous inspec	tions), if available:	
Remarks:			
			rent in the second second
Hydrologic indicators not present.			

VEGETATION – Use scientific names of plants.

	Absolute [Dominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	% Cover	Species? Status	Number of Dominant Species
1. Quercus alba		FACU	That Are OBL, FACW, or FAC: 4 (A)
2. Quercus nigra		FAC	Total Number of Dominant
3. Oxydendrum arboreum	10		Species Across All Strata: 7 (B)
4	_		Percent of Dominant Species
5			That Are OBL, FACW, or FAC: 57% (A/B)
6	_		()
7.			Prevalence Index worksheet:
	30 =	Total Cover	Total % Cover of:Multiply by:
Sapling Stratum (Plot size:)			OBL species x 1 =
1. Carya glabra	5	FACU	FACW species x 2 =
2	_		FAC species x 3 =
3			FACU species x 4 =
4	-		UPL species x 5 =
5			Column Totals: (A) (B)
6.			
7			Prevalence Index = B/A =
	5 =	Fotal Cover	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)			Dominance Test is >50%
1. Quercus nigra	5	× FAC	Prevalence Index is ≤3.0 ¹
2. Liquidambar styraciflua	5	🗙 FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
3.			
4			¹ Indicators of hydric soil and wetland hydrology must
5			be present, unless disturbed or problematic.
6			Definitions of Vegetation Strata:
7			Demittons of Vegetation Strata.
1	10		Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:	=	lotal Cover	approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast beight (DBH)
1 Schizachyrium scoparium	5	FACU	(1.5 cm) of larger in diameter at breast height (DBH).
2 Cladina sp.	15		Sapling – Woody plants, excluding woody vines,
2 Pteridium caudatum	10	FACU	approximately 20 ft (6 m) or more in height and less than 3 in (7.6 cm) DBH
Opuntia stricta	2	FACU	
			Shrub – Woody plants, excluding woody vines,
5			approximately 3 to 20 ft (1 to 6 m) in height.
6			Herb – All herbaceous (non-woody) plants, including
7	-	<u></u>	herbaceous vines, regardless of size. Includes woody
8			3 ft (1 m) in height.
9	-		
10			Woody vine – All woody vines, regardless of height.
11			
12			
	32 = 7	Total Cover	
Woody Vine Stratum (Plot size:	_) _		
1. Vitis rotundifolia	5	FAC	
2			
3			
4			
5.			Hydrophytic
	5 = 7	Total Cover	Present? Yes X No
Remarks: (If observed, list morphological adaptat Species with "N/A" were not used in the	lions below). dominance calcula	ation.	

SOIL

(inches)) - 18	Matrix		Redo	x Features					
0 - 18 ·	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remar	ks
	10YR6/4	100					Sand		
					_				
		lation DM-D	educed Metrix CC				21	n. Di - Dana Linia	
Type: C=Cor	diesters:	letion, RM=R	educed Matrix, CS	=Covered	or Coate	d Sand Gr	ains. Locatio	n: PL=Pore Linin	g, M=Matrix.
	uicators.				1000 11			Problematic Hyd	ric Solis :
Histosol (/	A1)		Polyvalue Be	low Surfac	ce (S8) (L	RR S, I, U		(A9) (LRR O)	
Histic Epip	bedon (A2)		L Thin Dark Su	rface (S9)	(LRR S,	T, U)	2 cm Muck	(A10) (LRR S)	
Black Hist	tic (A3)		Loamy Muck	/ Mineral (F1) (LRR	0)	Reduced V	ertic (F18) (outsi	de MLRA 150A,
Hydrogen	Sulfide (A4)		Loamy Gleye	d Matrix (F	=2)		Piedmont F	loodplain Soils (F	19) (LRR P, S,
Stratified I	Layers (A5)		Depleted Mar	rix (F3)			Anomalous	Bright Loamy So	ils (F20)
Organic B	odies (A6) (LRR P	, T, U)	-Redox Dark	Surface (F	6)		(MLRA 1	53B)	
5 cm Muc	ky Mineral (A7) (LF	RR P, T, U)	Depleted Dar	k Surface	(F7)		Red Parent	Material (TF2)	
Muck Pres	sence (A8) (LRR U)	Redox Depre	ssions (F8	3)		Very Shallo	w Dark Surface (TF12) (LRR T, U
1 cm Muc	k (A9) (LRR P, T)		Marl (F10) (L	RR U)			U Other (Expl	ain in Remarks)	
Depleted I	Below Dark Surface	e (A11)	Depleted Oct	nric (F11) (MLRA 15	51)	2		
Thick Darl	k Surface (A12)		Iron-Mangan	ese Masse	es (F12) (l	RR O, P,	T) ³ Indicators	s of hydrophytic v	egetation and
Coast Pra	irie Redox (A16) (N	ILRA 150A)	Umbric Surfa	ce (F13) (I	LRR P, T,	U)	wetland	hydrology must b	e present,
Sandy Mu	icky Mineral (S1) (L	.RR 0, S)	Delta Ochric	(F17) (ML	RA 151)		unless d	listurbed or proble	ematic.
Sandy Gle	eyed Matrix (S4)		Reduced Ver	tic (F18) (I	MLRA 15	0A, 150B)			
Sandy Re	dox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	9A)		
Stripped N	Aatrix (S6)		Anomalous B	right Loan	ny Soils (F	20) (MLR	A 149A, 153C, 153	D)	
Dark Surfa	ace (S7) (LRR P, S	, T, U)							
estrictive La	iyer (if observed):								
			_						-
Туре:							Hydric Soil Pres	sent? Yes	
Type: Depth (inch	ies):								
Type: Depth (inch	es):								
Type: Depth (inch emarks:	es):								
Type: Depth (inch emarke:	es):								
Type: Depth (inch emarke:	ies):								
Type: Depth (inch emarke:	ies):								
Type: Depth (inch	ies):								
Type: Depth (inch smarke:	ies):								
Type: Depth (inch	ies):								
Type: Depth (inch >marke:	ies):								
Type: Depth (inch marke:	ies):								
Type: Depth (inch amarke:	ies):								
Type: Depth (inch emarks:	ies):								
Type: Depth (inch emarks:	ies):								
Type: Depth (inch emarke:	disatas natas								
Type: Depth (inch emarke:	dicators not pre	sent.							
Type: Depth (inch emerke:	dicators not pre	sent.							
Type: Depth (inch emarks:	dicators not pre	sent.							
Type: Depth (inch emarke:	dicators not pre	sent.							
Type: Depth (inch emarks:	dicators not pre	sent.							
Type: Depth (inch emarke:	dicators not pre	sent.							
Type: Depth (inch emarke:	dicators not pre	sent.							
Type: Depth (inch emarke:	dicators not pre	sent.							
Type: Depth (inch emarke:	dicators not pre	sent.							
Type: Depth (inch emarke:	dicators not pre	sent.							
Type: Depth (inch emarke:	dicators not pre	sent.							
Type: Depth (inch emarke:	dicators not pre	sent.							

Map 140.: 5e	Feature ID.: 030th05N	Type: Other Feature
County: Jefferson	Acreage/Length: NA	
VC pipe culvert		
MARKS.		US IN LALOIT
	County: Jefferson PVC pipe culvert	Imp Fort Sc Tetrate IDL ogothogy County: Jefferson Acreage/Length: NA VC pipe culvert







Feature No.: OTH-16	Map No.: 5e, 5f	Feature ID.: 04wwd010	Type: Wet-weather drainage			
Date Surveyed: 5/23/2011	County: Jefferson	Acreage/Length: 160 linear feet				
Comments: Drainage ditch						
		A CONTRACTOR				
A A		Line -				
			Constant of the second			
	a start and at the	- A Carlo Carlos	and the second			
and the second second	Second and					
ALC: NO		A CARLENS AND				
	The state of the second					
The Alt	2 Al Contra	to an les 1				
	A CALLER AND					
A CAR (CAR)						
1.1.1						
D. A Contract						
	THE ANALY					
A Starter	CONTRACTOR OF THE STREET		040011 10:07			
		UDITZ	S/ 2011 IU 21			
	A	CARL LA CALERON	A LEAST AND			









Feature No.: OTH-16 Map No.: 5e, 5f Feature ID.: 04wwd010 Type: Wet-weather drainage **Date Surveyed:** 5/23/2011 County: Jefferson Acreage/Length: 160 linear feet Comments: Drainage ditch 05/23/2011 10:27







Feature No.: W-30	Map No.: 5f	Map No.: 5fFeature ID.: 04wet010Type: Foreste	
Date Surveyed: 5/23/2011	County: Jefferson	Watershed: Brier	
8-Digit HUC1: 03060108		12-Digit HUC: 030601080	0204
Total Acreage: 0.59		Forested Acreage: 0.59	

Dominant Vegetation: Liriodendron tulipifera, Nyssa sylvatica, Magnolia virginiana, Alnus serrulata, Woodwardia areolata, Peltandra virginicus, Osmunda cinnamomea, Smilax laurifolia

Comments:



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

Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle Transmission Line	e City/County: Je	efferson County	Sampling Date: 5/23/2011
Applicant/Owner: Georgia Power Company		State: GA	Sampling Point: DP52 (W-30
nvestigator(s): MWO and SEC	Section, Towns	ship, Range:	
andform (hillslope, terrace, etc.):	Local relief (co	ncave, convex, none):	Slope (%):
Subregion (LRR or MLRA): LRR P	_ Lat:	Long:	Datum:
Soil Map Unit Name:		NWI cl	assification:
Are climatic / hydrologic conditions on the site typical for Are Vegetation, Soil, or Hydrology Are Vegetation, Soil, or Hydrology SUMMARY OF FINDINGS – Attach site ma	this time of year? Yes 2 significantly disturbed? naturally problematic?	No (If no, explaid Are "Normal Circumstan (If needed, explain any a point locations, trans	n in Remarks.) ces" present? Yes <u>No</u> no answers in Remarks.) ects, important features, etc.
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes Example	No Is the S No within a	ampled Area a Wetland? Yes	<u> </u>
HYDROLOGY Wetland Hydrology Indicators:		Secondary	Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check	all that apply)	Surface	e Soil Cracks (B6)
High Water Table (A2)	Aquatic Fauna (B13)	Draina	pe Patterns (B10)
Saturation (A3)	Aarl Deposits (B15) (LRR U)	D Moss T	rim Lines (B16)
Water Marks (B1)	lydrogen Sulfide Odor (C1)	Dry-Se	ason Water Table (C2)
Sediment Deposits (B2)	Dxidized Rhizospheres on Livi	ng Roots (C3)	h Burrows (C8)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled	Soils (C6)	orphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallov	v Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)	FAC-N	eutral Test (D5)
Field Observations: Surface Water Present? Yes Water Table Present? Yes Surface Water Present? Yes No Image: Comparison of the present of t	Depth (inches): Depth (inches): 2	- Wetland Understam: D	
(includes capillary fringe)	Depth (Inches):	_ wetland Hydrology P	
Describe Recorded Data (stream gauge, monitoring we	ell, aerial photos, previous insp	pections), if available:	
Remarks:			

VEGETATION - Use scientific names of plants.

	Absolute D	ominant Indicator	Dominance Test worksheet:
Tree Stratum (Plot size:)	<u>% Cover</u>	Species? Status	Number of Dominant Species
1. Liriodendron tulipitera		× FAC	That Are OBL, FACW, or FAC: 11 (A)
2. Pinus taeda		FAC	Total Number of Dominant
_{3.} Nyssa sylvatica	15	× FAC	Species Across All Strata: 11 (B)
4. Magnolia virginiana	15	× FACW	· · · · · · · · · · · · · · · · · · ·
5			Percent of Dominant Species
6			(AVB)
7	The second se	Π	Prevalence Index worksheet:
1			Total % Cover of: Multiply by:
Sanling Stratum (Plot size:	<u> </u>	I otal Cover	OBL species x 1 =
Magnolia virginiana	30	× FACW	FACW species x 2 =
2 Acer rubrum	10	X FAC	
		FAC	
3	_ _		FACU species X 4 =
4			UPL species x 5 =
5			Column Totals: (A) (B)
6			Drevelance Index - D/A
7	-		
	45 = T	otal Cover	Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:)		_	Dominance Test is >50%
1. Ilex vomitoria	15	× FAC	Prevalence Index is $\leq 3.0^1$
2. Alnus serrulata	20	× FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
3			
4			¹ Indicators of hydric soil and wetland hydrology must
		<u> </u>	be present, unless disturbed or problematic.
0			
6			Definitions of Vegetation Strata:
7			Tree – Woody plants, excluding woody vines,
	<u>35</u> = T	otal Cover	approximately 20 ft (6 m) or more in height and 3 in.
Herb Stratum (Plot size:)	10		(7.6 cm) or larger in diameter at breast height (DBH).
		X OBL	Sapling – Woody plants, excluding woody vines
2. Peltandra virginicus		× OBL	approximately 20 ft (6 m) or more in height and less
3. Osmunda cinnamomea		× FACW	than 3 in. (7.6 cm) DBH.
4			Shrub - Woody plants, excluding woody vines
5.			approximately 3 to 20 ft (1 to 6 m) in height.
6			
7			Herb – All herbaceous (non-woody) plants, including
1			plants, except woody vines, less than approximately
8			3 ft (1 m) in height.
9			Manufacture All and the second state
10		<u> </u>	woody vine – All woody vines, regardless of height.
11			
12			
	25 = T	otal Cover	
Woody Vine Stratum (Plot size:)			
1. Smilax laurifolia		× FACW	
2			
3.			
4			
F			Hydrophytic
5	15 -		Vegetation
	=1	otal Cover	Present? Yes No
Remarks: (If observed, list morphological adaptations b	elow).		

SOIL

Donth				_						
(inches)	Color (moist)	%	Color (moist)	lox Featur %	es Type ¹	Loc ²	Texture	Rem	harks	
0-9	10YR2/1	100					Muck	, ton	lanto	
9_14	10YR2/1	55	10YR5/1	45	<u> </u>	M	Sand			
					- —					
		_					·			_
	-	_	-				-			
							-			
	-	_		_	-					
Type: C=C	Concentration, D=Dep	pletion, R	M=Reduced Matrix, C	CS=Cover	ed or Coat	ed Sand (Grains. Locati	on: PL=Pore Li	ning, M=Matrix.	
Hydric Soil	Indicators:		Π				Indicators for	Problematic H	ydric Soils":	
Histoso	ol (A1)		Polyvalue E	Below Surf	ace (S8) (I	LRR S, T,		k (A9) (LRR O)		
Histic E	pipedon (A2)		L I hin Dark S	Surface (S	9) (LRR S,	T, U)	2 cm Muc	k (A10) (LRR S)		
Black F	nstic (A3)			ky Minera	(F1) (LKI	(0)	- Reduced	Vertic (F18) (out	ISIDE MLKA 150	DA,E
Stratifie	el Javers (A5)			atrix (F3)	(12)		Anomalou	s Bright Loamy	Soils (F20)	5, 1)
Organie	Bodies (A6) (LRR F	P. T. U)	Redox Dark	Surface	(F6)		(MLRA	153B)	0013 (120)	
5 cm M	ucky Mineral (A7) (L	RR P, T,	U) Depleted D	ark Surfac	e (F7)		Red Parer	nt Material (TF2))	
Muck P	resence (A8) (LRR I	U)	Redox Dep	ressions (F8)		Very Shall	low Dark Surfac	e (TF12) (LRR T	r, U)
× 1 cm M	uck (A9) (LRR P, T)		Marl (F10)	(LRR U)			Other (Ex	olain in Remarks	s)	
Deplete	ed Below Dark Surface	ce (A11)	Depleted O	chric (F11) (MLRA 1	51)				
Thick D	ark Surface (A12)		Iron-Manga	nese Mas	ses (F12)	(LRR O, F	P, T) ³ Indicato	rs of hydrophytic	c vegetation and	
Coast F	Prairie Redox (A16) (MLRA 15	0A) Umbric Sur	face (F13)	(LRR P, 1	r, U)	wetland	d hydrology mus	st be present,	
Sandy	Mucky Mineral (S1) (LRR O, S	Delta Ochri	C (F17) (N	LRA 151)		unless	disturbed or pro	blematic.	
Sandy	Gleyed Matrix (54)			enic (F18)	(MLKA 1: Soile (E10)	MI DA 1	(49A)			
Strinne	d Matrix (S6)		Anomalous	Bright Lo:	amy Soils	(INIERA	RA 149A 153C 15	3D)		
Dark S	urface (S7) /I PP P	STIN		Dingini Loi		(* 20) (***2		02)		
L Daik Si	(01) (LAR F,	0, 1, 0								
Restrictive	Layer (if observed)):								
Restrictive	Layer (if observed)):								
Restrictive Type: Depth (ir	Layer (if observed)):					Hydric Soil Pre	esent? Yes_	× No	
Type: Depth (ir	Layer (if observed)):					Hydric Soil Pre	esent? Yes_	No	
Type: Depth (ir	Layer (if observed)):					Hydric Soil Pre	esent? Yes _	× No	
Type: Depth (ir	Layer (if observed)):					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed)););					Hydric Soil Pre	esent? Yes _	No	
Restrictive Type: Depth (ir	Layer (if observed)):					Hydric Soil Pre	esent? Yes _	<u>No</u>	
Restrictive Type: Depth (ir	Layer (if observed)):					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed));					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed));					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed));					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed)):					Hydric Soil Pre	esent? Yes _	<u>No</u>	
Type: Depth (ir	Layer (if observed)):					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed));					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed));					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed));					Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Layer (if observed)); (), (), (), (), (), (), (), (), (), (),					Hydric Soil Pre	esent? Yes _	No	
Restrictive Type: Depth (ir	Indee (37) (EKK P, 4);					Hydric Soil Pre	esent? Yes _	No	
Restrictive Type: Depth (ir Remarke:	Indee (37) (EKK P, 4						Hydric Soil Pre	esent? Yes _	No	
Restrictive Type: Depth (ir Remarke:	Indee (37) (EKK P, 4						Hydric Soil Pre	esent? Yes _	No	
Type: Depth (ir	Indee (37) (EKK P, 4						Hydric Soil Pre	esent? Yes	No	
Type: Depth (ir	Layer (if observed)						Hydric Soil Pre	esent? Yes	No	
Type: Depth (ir	Layer (if observed)						Hydric Soil Pre	esent? Yes	No	
Type: Depth (ir	Indee (37) (EKK P, 4						Hydric Soil Pre	esent? Yes	No	
Type: Depth (ir	Layer (if observed)						Hydric Soil Pre	esent? Yes	No	
L Dark Si Restrictive Type: _ Depth (ir Remarke:	Indee (37) (EKK P, 4						Hydric Soil Pre	esent? Yes _	<u> No</u>	

Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site. Thomson-Vogtle Transmis	sion Line City	County Jefferson Coun	ity	Sampling Date: 5/23/2011
Applicant/Owner: Georgia Power Compa	iny ony	S	tate. GA	Sampling Point: DP53 (W-30
pyestigator(s). MWO and SEC	Sec	tion Township Range		
andform (hillslone, terrace, etc.):		al relief (concave, convex, n	one):	Slope (%):
Nubraging (LDD or MLDA); LRR P	Lot	arrener (concave, convex, m	one).	Slope (76)
Subregion (LRR of MLRA):		Long:		
oil Map Unit Name:			NWI classi	fication:
Are climatic / hydrologic conditions on the site Are Vegetation, Soil, or Hydrol Are Vegetation, Soil, or Hydrol Are Vegetation, Soil, or Hydrol ALIMMARY OF FINDINGS - Attach	typical for this time of year? ogy significantly dist ogy naturally proble	Yes <u>No</u> (If urbed? Are "Normal (matic? (If needed, ex	f no, explain in Circumstances' plain any ansv	Remarks.) [•] present? Yes <u>X</u> No <u></u> vers in Remarks.)
Hydrophytic Vegetation Present? Ye Hydric Soil Present? Ye Wetland Hydrology Present? Ye	s No S s No S s No S No S	Is the Sampled Area within a Wetland?	Yes	
Wetland Hydrology Indicators:		5	Secondary Indi	cators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	ĺ	Surface Sc	il Cracks (B6)
Surface Water (A1)	Water-Stained Lea	ves (B9)	Sparsely V	egetated Concave Surface (B8)
High Water Table (A2)	Aquatic Fauna (B1	3)	Drainage F	Patterns (B10)
Saturation (A3)	Marl Deposits (B15) (LRR U)	Moss Trim	Lines (B16)
Water Marks (B1)	Hydrogen Sulfide C	Odor (C1)	Dry-Seaso	n Water Table (C2)
Sediment Deposits (B2)	Oxidized Rhizosph	eres on Living Roots (C3)	Crayfish Bu	urrows (C8)
Drift Deposits (B3)	Presence of Reduc	ed Iron (C4)	Saturation	Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Thin Muck Surface		Shallow As	ic Position (D2)
Iron Deposits (B5)) Other (Explain in R	(C7) emarks)	EAC-Neutr	ultard (D3) al Test (D5)
Field Observations:				
Surface Water Present? Yes	Depth (inches):			
Water Table Present? Yes	Jo I Depth (inches):			
Saturation Present? Yes	Depth (inches):	Wetland Hy	drology Pres	ent? Yes No 🗵
(includes capillary fringe)			3,	
Describe Recorded Data (stream gauge, mor	hitoring well, aerial photos, p	revious inspections), if availa	able:	
Demade				
A BUILDER				
Hydrologic indicators not present.				

VEGETATION - Use scientific names of plants.

	Absolute	Dominant Indicator	Dominance Test worksheet:		
Tree Stratum (Plot size:) 1 Quercus nigra	<u>% Cover</u> 25	Species? Status FAC	Number of Dominant Species	7	(Δ)
2 Liquidambar styraciflua	30	× FAC			(/)
3. Quercus laurifolia	10	FACW	Total Number of Dominant Species Across All Strata:	9	(B)
4			Percent of Deminent Species		
5			That Are OBL, FACW, or FAC:	78%	(A/B)
6			Brevalence Index workshoot:		
7			Total % Cover of	Multiply by	14
	65	= Total Cover			·
Sapling Stratum (Plot size:)	15	EN FAC		. 1 =	
Pinus taeda			FACVV species >	. 2 =	
2. Liquidambar styraciflua			FAC species	. 3 =	
			FACU species >	. 4 =	
4. Acer rubrum	<u> </u>		UPL species >	: 5 =	
5. Magnolia Virginiana	10	FACW	Column Totals: (/	4)	(B)
6			Brevalence Index - B/A -		
7			Flevalence index - B/A -		
	37	= Total Cover	Hydrophytic Vegetation Indic	ators:	
Shrub Stratum (Plot size:)	05		Dominance Test is >50%		
1. Kalmia latifolia	25	FACU	Prevalence Index is ≤3.0'		
2			Problematic Hydrophytic Ve	egetation ¹ (Exp	plain)
3					
4			¹ Indicators of hydric soil and we	tland hydrolog	gy must
5.			be present, unless disturbed or	problematic.	
6			Definitions of Vegetation Stra	ta:	
7					
	25	Total Cover	Tree – Woody plants, excluding	woody vines,	, ad 3 in
Herb Stratum (Plot size:)		- Total Cover	(7.6 cm) or larger in diameter at	breast height	(DBH).
1. Pteridium caudatum	10	🗵 FACU		3	· /
2 Osmunda cinnamomea	5	× FACW	Sapling – Woody plants, exclud	ling woody vir	nes,
3			than 3 in. (7.6 cm) DBH.	le in neight an	10 1855
A.					
T			Shrub – Woody plants, excludin	ng woody vine	s,
5		— <u> </u>		n) in neight.	
6			Herb - All herbaceous (non-wo	ody) plants, in	icluding
7		H	herbaceous vines, regardless o	f size. Include	es woody
8		<u> </u>	3 ft (1 m) in height.	s than approxi	matery
9					
10			Woody vine – All woody vines,	regardless of	height.
11					
12					
	15 .	Total Cover			
Woody Vine Stratum (Plot size:)	-				
1. Parthenocissus quinquefolia	5	FAC			
2. Vitis rotundifolia	5	FAC			
3					
4.					
5			Hydrophytic		
	10	Total Cover	Present? Yes]
					-
Remarks: (If observed, list morphological adaptation	s below).				

SOIL

	Matrix		Redo	x Feature	S				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Ren	marks
)-1	10YR2/3	100					Sand		
- 5	10YR4/3	100					Sand		
5 - 14	10YR5/6	100					Sand		
	-			-					
					-				
	-				-				
	_								
	_	-							
Type: C=0	Concentration, D=De	epletion, RM=	Reduced Matrix, CS	S=Covere	d or Coate	d Sand G	rains. ² Locatio	n: PL=Pore L	ining, M=Matrix.
ydric Soi	I Indicators:						Indicators for I	Problematic H	lydric Soils ³ :
Histoso	ol (A1)		Polyvalue Be	elow Surfa	ce (S8) (L	RR S, T,	U) 🔲 1 cm Muck	(A9) (LRR O)	
Histic E	Epipedon (A2)		Thin Dark Su	urface (S9) (LRR S,	T, U)	2 cm Muck	(A10) (LRR S)
Black H	Histic (A3)		Loamy Muck	y Mineral	(F1) (LRR	0)	Reduced V	ertic (F18) (ou	Itside MLRA 150
1 Hydrog	jen Sumde (A4)		Dopleted Ma	triv (E2)	(FZ)			Bright Learnin	s (F19) (LRR P, S
Organi	c Bodies (A6) (I RR	рти	Redox Dark	uix (ro) Surface (F	-6)			Bright Loamy	50115 (F20)
5 cm M	lucky Mineral (A7) (L	RR P. T. U)	Depleted Da	rk Surface	e (F7)		Red Parent	Material (TF2	2)
Muck F	Presence (A8) (LRR	U)	Redox Depre	essions (F	8)		Very Shallo	w Dark Surfac	ce (TF12) (LRR T
1 cm N	luck (A9) (LRR P, T)		Marl (F10) (L	RR U)	•		Other (Expl	ain in Remark	s)
Deplete	ed Below Dark Surfa	ce (A11)	Depleted Oc	hric (F11)	(MLRA 1	51)			
Thick [Dark Surface (A12)		Iron-Mangan	ese Mass	es (F12) (I	LRR O, P	, T) ³ Indicators	of hydrophyti	ic vegetation and
Coast I	Prairie Redox (A16)	(MLRA 150A)	Umbric Surfa	ace (F13)	(LRR P, T	, U)	wetland	hydrology mus	st be present,
Sandy	Mucky Mineral (S1)	(LRR O, S)	Delta Ochric	(F17) (MI	RA 151)		unless d	isturbed or pro	oblematic.
Sandy	Gleyed Matrix (S4)		Reduced Ve	rtic (F18)	MLRA 15	0A, 150B)		
Sandy	Redox (S5)		Piedmont Flo	podplain S	oils (F19)	(MLRA 1	49A)		
Strippe	d Matrix (S6)	O T 10	Anomalous E	Bright Loa	my Soils (F	-20) (MLF	RA 149A, 153C, 153	D)	
	Unace (S/) ILKK P.	3, 1, 0)					1		
1 Daik S	Laver (if observed).							
estrictive	Layer (if observed):							
Type:	Layer (if observed):					Hudric Soil Pros	ont? Voc	
Type: Depth (in	Layer (if observed):	_				Hydric Soil Pres	ent? Yes_	No
Type: Depth (in	Layer (if observed):					Hydric Soil Pres	ent? Yes_	No
Depth (in	Layer (if observed):	_				Hydric Soil Pres	ent? Yes _	No
Type: Depth (in	Layer (if observed):					Hydric Soil Pres	sent? Yes _	<u> </u>
Type: Depth (in	Layer (if observed):					Hydric Soil Pres	sent? Yes _	No
Type: Depth (in	Layer (if observed):					Hydric Soil Pres	ent? Yes_	No
Type: Depth (ir	Layer (if observed):					Hydric Soil Pres	eent? Yes_	<u> </u>
Type: Depth (ir	Layer (if observed):					Hydric Soil Pres	sent? Yes_	<u> </u>
Type: Depth (ir	Layer (if observed):					Hydric Soil Pres	sent? Yes_	<u> </u>
Type: Depth (ii	Layer (if observed):					Hydric Soil Pres	ent? Yes_	<u> </u>
Joan S estrictive Type: Depth (ii emarke:	Layer (if observed):					Hydric Soil Pres	eent? Yes _	<u> </u>
Depth (ii merke:	Layer (if observed):					Hydric Soil Pres	eent? Yes _	<u>No</u>
parks strictive Type: Depth (in marke:	Layer (if observed):					Hydric Soil Pres	eent? Yes_	<u>No</u>
bark S strictive Type: Depth (in marke:	Layer (if observed	esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
rdric soil	Layer (if observed): esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
point S sstrictive Type: Depth (in marke:	Layer (if observed): esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
Point S sstrictive Type: Depth (in smarke: rdric soil	Layer (if observed): esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
Point S sstrictive Type: Depth (in smarke: rdric soil	Layer (if observed): esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
ydric soil	Layer (if observed): esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
Depth (in	Layer (if observed): esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
rdric soil	Layer (if observed	esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
dric soil	Layer (if observed	esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
dric soil	Layer (if observed	esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>
dric soil	Layer (if observed	esent.					Hydric Soil Pres	eent? Yes_	<u>No</u>



Feature No.: W-31	Map No.: 5g	Feature ID.: 04wet01W	Type: Forested	
Date Surveyed: 3/8/2012	County: Jefferson	Watershed: Brier		
8-Digit HUC1: 03060108		12-Digit HUC: 030601080204		
Total Acreage: 0.50		Forested Acreage: 0.50		
Dominant Vegetation: Ny.	ssa sylvatica, Acer rubrum, Pi	Pinus taeda, Ilex coriacea, Smilax laurifolia, Leucothoe axillaris		
Comments:				





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

Stream Feature Datasheet

Feature No.: I-6	Map No.: 5g	Feature ID.: 04int01W	Type: Intermittent
Date Surveyed: 3/8/2012	County: Jefferson	Watershed: Brier	
8-Digit HUC1: 03060108	git HUC ¹ : 03060108		80204
Acreage: 0.02		Length: 155 linear feet	
Substrate: Sand	Width ² : 3-8 linear feet	Depth3: 0.5 foot	
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> 3/8/2012	Project Site: Thomson-Vogtle	Feature No.:	I-6
Evaluator: MWW & C	<u>County:</u> Jefferson, GA	Feature ID: 0	04into1W
Parameter		Scoring Category	Numerical Score
A. Geomorphology			
1. Continuity of bed and bank		Strong	3
2. Sinuosity of channel along	thalweg	Moderate	2
3. In-channel structure: ex. r	iffle/pool sequence	Moderate	2
4. Particle size of stream subs	trate	Moderate	2
5. Active/relict floodplain		Strong	3
6. Depositional bars or bench	es	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	S 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		Moderate	0.5
15. Sediment on plants or deb	oris	Absent	0
16. Organic debris lines or pil	es	Weak	0.5
17. Soil-based evidence of hig	h water table? (Yes =3/No=0)	Yes	3
C. Biology			
18. Fibrous roots in streambe	d	Moderate	1
19. Rooted upland plants in st	treambed	Weak	2
20. Macrobenthos		Weak	1
21. Aquatic mollusks		Absent	0
22. Fish		Absent	0
23. Crayfish		Weak	0.5
24. Amphibians		Weak	0.5
25. Algae		Weak	0.5
26. Wetland plants in streaml Other=0)	bed (FACW=0.75; OBL=1.5;	FACW	0.75
Total Points:			28.25
Stream Type:			Intermittent

Map No.: 5g	Feature ID.: 04wet01W Type: Forested	
County: Jeff	son Watershed: Brier	
	12-Digit HUC: 030601080204	
	Forested Acreage: 0.30	
	Map No.: 5g County: Jeffer	Map No.: 5g Feature ID.: 04wet01W Type: Forested County: Jefferson Watershed: Brier 12-Digit HUC: 030601080204 Forested Acreage: 0.30 Forested Acreage: 0.30

Dominant Vegetation: Nyssa sylvatica, Acer rubrum, Pinus taeda, Ilex coriacea, Smilax laurifolia, Leucothoe axillaris

Comments:





Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle Transmission	Line City/C	ounty: Jefferson		Sampling Date: 3/8/2012
Applicant/Owner: Georgia Power Company		St	ate: GA	Sampling Point: DP54 (W-
nvestigator(s): MWW and MDH	Section	on, Township, Range:		
andform (hillslope, terrace, etc.):	Local	relief (concave, convex, no	one):	Slope (%):
Subregion (LRR or MLRA): LRR P	Lat:	Long:		Datum:
Soil Map Unit Name:		· · · · · ·	NWI classific	cation:
Are climatic / hydrologic conditions on the site typic Are Vegetation, Soil, or Hydrology _ Are Vegetation, Soil, or Hydrology _	al for this time of year? Y	res No (If bed? Are "Normal C atic? (If needed, ex	ino, explain in R Sircumstances" r plain any answe	emarks.) present? Yes No rrs in Remarks.)
SUMMARY OF FINDINGS – Attach site	a map showing sam	pling point location	is, transects	, important features, e
Hydrophytic Vegetation Present? Yes Hydric Soil Present? Yes Wetland Hydrology Present? Yes	No No No	Is the Sampled Area within a Wetland?	Yes	× No
04wet01O				
IYDROLOGY				
Wetland Hydrology Indicators:		S	Secondary Indica	ators (minimum of two required
Primary Indicators (minimum of one is required; cr Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	Water-Stained Leave Aquatic Fauna (B13) Marl Deposits (B15) (Hydrogen Sulfide Od Oxidized Rhizosphere Presence of Reduced	s (B9) LRR U) or (C1) es on Living Roots (C3) I Iron (C4)	Sparsely Veg Drainage Pa Moss Trim Li Dry-Season Crayfish Bur Saturation Vi	Cracks (86) getated Concave Surface (88) tterns (810) ines (816) Water Table (C2) rows (C8) isible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Recent Iron Reductio	n in Tilled Soils (C6)	Geomorphic	Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C	(7)	Shallow Aqu	itard (D3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Ren	narks)	FAC-Neutral	Test (D5)
Field Observations: Surface Water Present? Yes Water Table Present? Yes Saturation Present? Yes Includes capillary fringe) No Describe Recorded Data (stream gauge, monitoring)	Depth (inches): Depth (inches): 12 Depth (inches): 0 ng well, aerial photos, pre	Wetland Hy vious inspections), if availa	drology Preser	nt? Yes <u> </u>
Remarks:				

VEGETATION - Use scientific names of plants.

Tree Strutum (Plot size:		Absolute	Dominant	Indicator	Dominance Test worksheet:		
1 Nyska syvalica 40 Y That Are OBL FACU, or FAC: ////////////////////////////////////	Tree Stratum (Plot size:)	% Cover	Species?	Status	Number of Dominant Species	-	
2 Acer rubrum 10 ⊠ FAC 9 Finus taeda 10 E FAC 9 Finus taeda 40 E FAC 9 Finus taeda 2 FAC Species x1 = 9 Finus taeda 2 FAC Species x3 = 9 Finus taeda 2 FAC Species x3 = 9 Finus taeda 2 FAC Species x3 = 10 La contaces A1 - - 10 La contaces 60 FAC Species x3 = 10 La contaces 60 FAC Species x3 = 10 La contaces 61 FAC Species x3 = 10 La contaces 61 FAC Species x3 = 10 La contaceso	1. Nyssa sylvatica	45	X	FAC	That Are OBL, FACW, or FAC:	/	(A)
3. Pinus taeda 10 E FAC Name and so tabletains 7 (B) 4	2. Acer rubrum	10	×	FAC	Total Number of Dominant		
4	3. Pinus taeda	10	×	FAC	Species Across All Strata:	7	(B)
5	4						(C)
a	F				Percent of Dominant Species	100	
0	5				That Are OBL, FACW, or FAC:	100	(A/B)
7 65 = Total Cover Saping Stratum (Plot size:	6	_			Prevalence Index worksheet:		
Saping Stratum (Plot size: 0 Stratum (Plot size: 0 Notative Very 1 Nyssa sylvatica 40 Stratum (Plot size: 2 FAC FAC </td <td>7</td> <td></td> <td></td> <td></td> <td>Tatal % Caver af</td> <td>Maria la chi</td> <td></td>	7				Tatal % Caver af	Maria la chi	
Saping Statum (Plot size:) 40 X FAC 1 Wyssa sylvatica 40 X FAC 2 Magnolia virginiana 5 FACVV 3 Ilex opaca 2 FAC 4		65	= Total Co	/er			<u>y.</u>
1 Myssi sylvatica 40 X FAC.W x2 =	Sapling Stratum (Plot size:)	40		FAC	OBL species >	(1=	<u> </u>
2 Magnolia vrginiana 5 FAC Species x 3 =	1. Nyssa sylvatica		×	FAC	FACW species >	(2 =	
3. Ilex opaca 2	2. Magnolia virginiana	5		FACW	FAC species	< 3 =	
4	3. Ilex opaca	2		FAC-	FACU species >	x 4 =	
5	4				UPL species	x 5 =	
0	E.					A)	(P)
6	5					~)	(D)
7. 47. = Total Cover Hydrophylic Vegetation Indicators: 9. 1. lex coriacea 60. EACW Prevalence Test is >50%. 1. lex coriacea 60. EACW Prevalence Index is s3.0' Prevalence Index is s3.0' 3.	6				Prevalence Index = B/A =	-	
Strub Stratum (Plot size:) 47= Total Cover Portophytic Vegetation indicators: 1 Iex coriacea 60	7						
Stratum (Plot size:) 60 Y FACW 1 llex copace 5 FAC- 3.		47 .	= Total Cov	er	Hydrophytic Vegetation Indic	ators:	
1 Ilex coriacea 60 X FACV 2 Ilex copaca 5 FACV 3 4 5 6 7 1 Leucothoe axillaris 40 5 1 6 7 1 6 7 1 6 7 1 8 9 10 11 12 4 15 16 17 18 19 10 11 12 14 15 16 10 11 12 14 15 16 10 11	Shrub Stratum (Plot size:)				Dominance Test is >50%		
2 Ilex opaca 5 FAC- 3	1. Ilex coriacea	60	×	FACW	Prevalence Index is $\leq 3.0^{1}$		
3	2 llex opaca	5		FAC-	Problematic Hydrophytic Ve	egetation1 (E	xplain)
3	3						
4					¹ Indicators of hydric soil and we	atland hydrol	oav must
5	4				be present, unless disturbed or	problematic	Jyy musi
6.	5						
7. 65 = Total Cover Herb Stratum (Plot size:) 40 FACW 3. 9 9 4. 9 FACW 5. 9 9 7. 9 9 9. 9 9 1. 9 9 </td <td>6</td> <td></td> <td></td> <td></td> <td>Definitions of Vegetation Stra</td> <td>ita:</td> <td></td>	6				Definitions of Vegetation Stra	ita:	
65 = Total Cover Herb Stratum (Plot size:) 40 Image: FACW approximately 20 ft (6m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH). 2	7.	_			Tree Minedu plants qualities	and a star	
Herb Stratum (Plot size:) 40 FACW 1 Leucothoe axillaris 40 FACW 2		65	= Total Cov	er	approximately 20 ft (6 m) or mo	woody vine	S, and 3 in
1 Leucothoe axillaris 40 ▼ FACW Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in (7.6 cm) DBH. 3	Herb Stratum (Plot size:)		rotar oor	01	(7.6 cm) or larger in diameter at	t breast height	ht (DBH).
2	1 Leucothoe axillaris	40	×	FACW		5	·· (· · /
2	3	_			Sapling - Woody plants, exclud	ding woody w	lines,
3.	2				than 3 in (7.6 cm) DBH	re in height a	and less
4.	3						
5	4				Shrub - Woody plants, excluding	ng woody vir	ies,
6.	5				approximately 3 to 20 ft (1 to 6 i	m) in height.	
7. Image: Constraint of the second straint reducting the	6				Horb All berbaceous (pop we	odu) plants	including
8	7.				herbaceous vines, regardless of	f size Inclu	des woodv
0. 3 ft (1 m) in height. 9. 3 ft (1 m) in height. 10. 11. 11. 11. 12. 40 40 = Total Cover Woody Vine Stratum (Plot size:) 1. Smilax laurifolia 25 2. 3. 4. 5. 25 25 25 25 25 25 25 25 25 27 10. 28 10. 10. 11. 12. 13. 14. 15. 17. 18. 19. 19. 10. 10. 10. 11. 12. 13. 14. 15. 17. 18. 19. 19. 10. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 19. 19. 19. 19. 19. 19. 10. 19. 19. 10. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19.	8				plants, except woody vines, less	s than appro	ximately
9. 10. 11. 12. 40 a 1 1 1 2 3. 4. 5. 25 25 25 FACW Hydrophytic Vegetation Present? Yes No Remarks: (If observed, list morphological adaptations below).	0.				3 ft (1 m) in height.		, i i
10.	9				Moody vize All woody vizes	rogerdless	ofboight
11. 12. 12. 40 = Total Cover 40 = Total Cover 1. Smilax laurifolia 2. 3. 4. 5. 25 = Total Cover Hydrophytic Vegetation Present? Yes No Remarks: (If observed, list morphological adaptations below).	10				woody vine - All woody vines,	regardless t	Ji neight.
12. 40 = Total Cover Woody Vine Stratum (Plot size:) 25 FACW 1. Smilax laurifolia 25 FACW 2.	11						
Woody Vine Stratum (Plot size:) 40 = Total Cover 1. Smilax laurifolia 25 X FACW 2	12						
Woody Vine Stratum (Plot size:) 1. Smilax laurifolia 25 3 4 5 25 = Total Cover Hydrophytic Vegetation Present? Yes No Remarks: (If observed, list morphological adaptations below).		40 .	= Total Cov	er			
1. Smilax laurifolia 25 FACW 2. 3. 9 3. 9 4. 9 5. 25 25 = Total Cover Hydrophytic Vegetation Present? Yes No Present? No Remarks: (If observed, list morphological adaptations below).	Woody Vine Stratum (Plot size:)						
2. 3. 4. 5. 25 = Total Cover Hydrophytic Vegetation Present? Yes No Remarks: (If observed, list morphological adaptations below).	1 Smilax laurifolia	25	×	FACW			
3. 4. 5. 25 = Total Cover Hydrophytic Vegetation Present? Yes No Remarks: (If observed, list morphological adaptations below).	2						
3	2		——————————————————————————————————————				
4.	3						
5. 25 = Total Cover Vegetation Present? Yes No	4				Hydrophytic		
25 = Total Cover Present? Yes No Remarks: (If observed, list morphological adaptations below).	5				Vegetation		
Remarks: (If observed, list morphological adaptations below).		25	= Total Cov	er	Present? Yes	No	
Remarks: (If observed, list morphological adaptations below).							
	Remarks: (If observed, list morphological adaptations b	pelow).					

SOIL

0 3 7.5YR2.5/1 100 Muck leaves and roots 3 5 7.5YR3/1 100 Sand Sand 5-8 10YR3/2 95% 10YR3/6 5 MS PL Sand 314 2.5Y3/1 100 Sand Sand Sand 7.type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators: Indicators: Indicators: Indicators for Problematic Hydric Soils ³ : Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR Q) Black Histic (A3) Depleted Matrix (F2) Depleted Matrix (F2) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Reduced Vertic (F18) (outside MLRA 150A, E Organic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F11) Murk 150A, 150B) Depleted Below Dark Surface (A11) Inon-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 150A, 150B) Situation Anydrology must be present, unless disturbed or problema
3-5 7.5YR3/1 100 Sand 3-8 10YR3/2 95% 10YR3/6 5 MS PL Sand 3-14 2.5Y3/1 100 Sand Sand Sand Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Ivdric Soil Indicators: Indicators for Problematic Hydric Soils ³ : Histosol (A1) Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A10) (LRR S) Black Histic (A3) Depleted Matrix (F3) Reduced Vertic (F18) (outside MLRA 150A, E Stratified Layers (A5) Depleted Matrix (F3) Redox Dark Surface (F6) Redox Dark Surface (F7) Muck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F7) Redox Depressions (F8) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T, U) Depleted Ochric (F11) (MLRA 151) Other (Explain in Remarks) 1 cm Auck (A16) (MLRA 150A) Depleted Ochric (F13) (LRR P, T, U) Other (Explain in Remarks) 0 cost Prairie Redox (A16) (MLRA 150A) Imdicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. ³ Indicators of hydrophytic veg
5-8 10YR3/2 95% 10YR3/6 5 MS PL Sand 3-14 2.5Y3/1 100 Sand Sand Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Iydric Soil Indicators: Polyvalue Below Surface (S8) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A0) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) 2 cm Muck (A10) (LRR S) Hydrogen Sulfide (A4) Depleted Matrix (F2) Peledemont Floodplain Soils (F19) (LRR P, S, T) Stratified Layers (A5) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Muck Presence (A8) (LRR P, T, U) Redox Dark Surface (F6) Redox Depressions (F8) I om Muck (A9) (LRR P, T, U) Redox Depressions (F8) Red Parent Material (TF2) I cm Muck (A6) (LRR P, T, U) Depleted Ochric (F11) (MLRA 151) Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 149A) Sandy Medox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) P
3-14 2.5Y3/1 100 Sand Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators: Indicators for Problematic Hydric Soils ³ : Indicators for Problematic Hydric Soils ³ : Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A, E Stratified Layers (A5) Depleted Matrix (F2) Reduced Vertic (F18) (outside MLRA 150A, E S or Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Red Parent Material (TF2) Muck Presence (A8) (LRR P, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck (A9) (LRR P, T) Depleted Ochric (F11) (MLRA 151) Very Shallow Dark Surface (TF12) (LRR T, U) Depleted Below Dark Surface (A11) Iron-Manganese Masses (F12) (LRR O, P, T) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 149A)
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ² Location: PL=Pore Lining, M=Matrix. Indicators: Indicators for Problematic Hydric Soils ³ : Indicators for Problematic Hydric Soils ³ : Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A9) (LRR O) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) 2 cm Muck (A10) (LRR S) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) (outside MLRA 150A, E Stratified Layers (A5) Depleted Matrix (F3) Redox Dark Surface (F6) Redox Dark Surface (F7) Muck Presence (A8) (LRR P, T, U) Redox Depressions (F8) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) (LRR T, U) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Mari (F10) (LRR U) Other (Explain in Remarks) Depleted Below Dark Surface (A12) Mari (F10) (LRR P, T, U) Depleted Ochric (F11) (MLRA 151) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (MLRA 149A)

Print Form

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Thomson-Vogtle Transm	ission Line	City/County: Jefferso	on	Sampling Date: 3/8/2012
Applicant/Owner: Georgia Power Com	pany		State: GA	Sampling Point: DP55 (W-32
nvestigator(s): MWW and MDH		Section, Township, R	ange:	
andform (hillslope, terrace, etc.):		Local relief (concave,	convex, none):	Slope (%):
Subregion (LRR or MLRA): LRR P	Lat:		Long:	Datum:
Soil Map Unit Name:			NWI class	sification:
Are climatic / hydrologic conditions on the s	ite typical for this time of y	ear? Yes 🗵 No	(If no, explain i	n Remarks.)
Are Vegetation Soil O. or Hyd		v disturbed? Are	"Normal Circumstance	s" present? Yes X No
Are Vegetation Soil O or Hyd		roblematic? (If n	eeded explain any any	swers in Remarks)
	notogy notorony pr			
SUMMARY OF FINDINGS - Atta	ch site map showing	g sampling point	locations, transe	cts, important features, etc.
Hydrophytic Vegetation Present?	Yes No X	le the Sample	d Aroa	
Hydric Soil Present?	Yes No X	is the sample	u Area	
Wetland Hydrology Present?	Yes No 📉	Within a Wella		
Remarks:				
Within pinestand: upland from 04w	vet01O			
······································				
IYDROLOGY				
Wetland Hydrology Indicators:			Secondary Inc	dicators (minimum of two required)
Primary Indicators (minimum of one is req	uired; check all that apply)		Surface S	Soil Cracks (B6)
Surface Water (A1)	Water-Stained	Leaves (B9)	Sparsely	Vegetated Concave Surface (B8)
High Water Table (A2)	Aquatic Fauna	i (B13)	Drainage	Patterns (B10)
Saturation (A3)	Mari Deposits	(B15) (LRR U)		n Lines (B16)
Sediment Deposits (B2)	Ovidized Rhiz	nue Odor (CT)	Dry-Seas	Burrows (C8)
Drift Deposits (B3)	Presence of R	educed Iron (C4)		Nisible on Aerial Imagery (C9)
Algal Mat or Crust (B4)	Recent Iron R	eduction in Tilled Soils	(C6) Geomorp	hic Position (D2)
Iron Deposits (B5)	Thin Muck Sur	face (C7)	Shallow A	Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) 🔲 Other (Explain	in Remarks)	FAC-Neu	tral Test (D5)
Field Observations:				
Surface Water Present? Yes	No Depth (inches	3):		
Water Table Present? Yes	No Depth (inches	5):		
Saturation Present? Yes	No Depth (inches	s): W	etland Hydrology Pre	sent? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, r	nonitoring well, aerial phot	os, previous inspection	s), if available:	
	• • •			
Remarks:				
Ramark C				

VEGETATION - Use scientific names of plants.

	Absolute	Dominant Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1. Pinus taeda	<u>% Cover</u> 60	Species? Status FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 2(A)
2			Total Number of Dominant Species Across All Strata: 2 (B)
4 5			Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
6	-		Drovalance Index worksheet:
7			Total % Cover of: Multiply by:
Sapling Stratum (Plot size:	==	Total Cover	
2			FAC species x3 =
2	-		
3			
F.			
5		— <u> </u>	
0			Prevalence Index = B/A =
<i>I</i>			Hydrophytic Vegetation Indicators:
Shrub Stratum (Plot size:	=	rotal Cover	Dominance Test is >50%
1. Nyssa sylvatica	2	FAC	Prevalence Index is $\leq 3.0^1$
2. Ilex opaca	5	× FAC-	Problematic Hydrophytic Vegetation ¹ (Explain)
3			
4			¹ Indicators of hydric soil and wetland hydrology must
5			be present, unless disturbed or problematic.
6			Definitions of Vegetation Strata:
7			
	7 =	Total Cover	Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:)		Total Cover	(7.6 cm) or larger in diameter at breast height (DBH).
1. Chimaphila maculata	2	D NI	
2.			Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in beight and less
3.			than 3 in. (7.6 cm) DBH.
4.			Shrub Wadu planta avaluding upadu vinas
5			approximately 3 to 20 ft (1 to 6 m) in height.
6			
7			Herb – All herbaceous (non-woody) plants, including
8			plants, except woody vines, less than approximately
o		<u> </u>	3 ft (1 m) in height.
9		<u> </u>	Woody vine - All woody vines regardless of beight
10			the straight for the st
11		H	
12			
Woody Vine Stratum (Plot size:	==	I otal Cover	
1			
2			
2		<u> </u>	
S		— H	
4			Hydrophytic
5	-		Vegetation
		Total Cover	Present? Yes No
Remarks: (If observed, list morphological adaptations b	elow).		1
	,		

SOIL

Color (mest) % Color (mest) % Type Color Remarks -14 10YR5/4 100 Sand Fibric material Sand ype Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains *Location, PL=Pore Linng, M=Matrix, reduced Matrix, CS=Covered or Coaled Sand Grains *Location, PL=Pore Linng, M=Matrix, reduced Matrix, CS=Covered or Coaled Sand Grains *Location, PL=Pore Linng, M=Matrix, reduced Matrix, CS=Covered or Coaled Sand Grains Ype: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains *Location, PL=Pore Linng, M=Matrix, reduced CSB (LRR 5, T, U) Histool (A1) Polyrolue Below Surface (SB) (LRR 5, T, U) Indicators for Problematic (Hosp (LRR 6) Histool (A2) Back Histor (A3) Polyrolue Below Surface (SB) (LRR 5, T, U) Polyrolue Below Surface (SB) (LRR 5, T, U) Const Depres (A5) Polyrolue Matrix (F2) Polyrolue Below Surface (F1) (LRR 7, L) Polyrolue Below Surface (F1) (LRR 7, L) Depleted Below Carls Graves (A5) Polyrolue Matrix (F2) Polyrolue Matrix (F2) Polyrolue Matrix (F2) Straffed Layres (A5) Polyrolue Matrix (F1) Polyrolue Matrix (F2) Polyrolue Matrix (F2) Depleted Below Carls Graves (A5) Polyrolue Matrix (F1) Polyrolue Matrix (F2) Polyrolue Matrix (F2) <th>Depth</th> <th>Matrix</th> <th></th> <th>Redo</th> <th>ox Feature</th> <th>S</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Depth	Matrix		Redo	ox Feature	S						
-14 10YR4/2 100 Sand Fibric material -14 10YR5/4 100 Sand Fibric material -14 10YR5/4 100 Sand Fibric material -14 10YR5/4 100 Sand Fibric material	(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	_Loc ²	Texture		Rema	rks	
14 10YR5/4 100 Sand Ype: C-Concentration. D-Depietion. RM-Reduced Matrix. CS-Covered or Coated Sand Grains. *Location: PL+Pore Lining, M+Matrix. Ype: C-Concentration. D-Depietion. RM-Reduced Matrix. CS-Covered or Coated Sand Grains. *Location: PL+Pore Lining, M+Matrix. Ype: C-Concentration. D-Depietion. RM-Reduced Matrix. CS-Covered or Coated Sand Grains. *Location: PL+Pore Lining, M+Matrix. Ype: Cost Indicators is Polyvalue Below Surface (S0) (LRR S, T, U) Indicators for Problematic Hydric Solis*: Hittics (A1) Polyvalue Below Surface (S0) (LRR S, T, U) Indicators Solis (F10) (LRR P) Redox Dark Surface (A1) Dopieted Dark Surface (F6) Cost Phark Matrix (F2) Redox Dark Surface (F12) (LRR P, T, U) Depleted Dark Surface (F12) (LRR P, T, U) Depleted Below Dark Surface (A1) Thick Dark Surface (F13) (LRR P, T, U) Depleted Dark Surface (F12) (LRR P, T, U) Thick Dark Surface (F12) (LRR P, T, U) Sandy Mucky Mineral (S1) (MR A 150A) Depleted Dark Surface (F13) (LRR P, T, U) Thick Dark Surface (F3) Thick Dark Surface (F3) Sandy Mucky Mineral (S1) (MR A 150A) Depleted Dark Surface (F12) (LRR P, T, U) Depleted Dark Surface (F12) (LRR P, T, U) Thick Dark Surface (F3) Sandy Mucky Mineral (F3) (MR A 150A) Depleted Dark Surface (F10) (LRR P, T, U)	0-3	10YR4/2	100					Sand	Fibric m	aterial		
Yye: C-Concentration, D-Depietion, RM-Reduced Matrix, CS-Covered or Coaled Sand Grains. ¹ Location: PL-Pore Lining, M-Matrix,	3-14	10YR5/4	100		-			Sand				
ype: C=Concentration, D=Depietion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ¹ Location: PL=Pore Lining, M=Matrix, ydric Soll Indicators for Problematic Hydric Solls': Histics (A1) Histic Epipedion (A2) Black Histics (A3) Hydrogen Sulfide (A4) Cryptone Sulfide (A6) Cryptone Sulfide (A6) Cryptone Sulfide (A6) Cryptone Sulfide (A6) Corganic Bodies (A6) (LRR P, T, U) Cord Muxby Mineral (A7) (LRR P, T, U) Corde Corder (A6) (LRR U) Copeled Edde (A6) (LRR U) Copeled Cortics (F1) Muxby Mineral (A7) (LRR P, T, U) Corder Craft (Cryptone Sulfide (A6) (LRR U) Copeled Cortics (F1) (MLRA 151) Trich Dark Surface (A1) Cost Praine Red (A6) (MLRA 100, C) Sandy Clewed (A10) (MLRA 150) Cost Praine Red (A10) (MLRA 151) Cost Praine Red (A10) (MLRA 153) Sandy Clewed Matrix (S6) Sandy Clewed Matrix (S6) Sandy Clewed Matrix (S6) Cost Praine Red (S1) (LRR P, S, T, U) estrictive Layer (if observed): Tyte: 		-										
yre: C:-Concentration, D=Depletion, RM-Reduced Matrix, CS=Covered or Coated Sand Grains *Location: PL+Pore Lining, M=Matrix, and the construction of the construction							<u></u>		-			
Yye: C:=Concentration. D=Depletion, RM=Reduced Matrix, CS=Covered or Costed Sand Grains. ¹ Location: PL=Pore Lining, M=Matrix. Yrd: Indicators:			_									
ype: C=Concentration. D=Depletion, RM=Reduced Matrix, CS=Covered or Costed Sand Grains ¹ Location: PL=Pore Lining, M=Matrix, Yarding Singht Loamy Solis (FS) (LRR S, T, U) Histo: Epigedon (A2) — Dolyvalue Below Surface (S8) (LRR S, T, U) — I on Muck (A0) (LRR S) Black Hatic (A3) — Dolyvalue Below Surface (S8) (LRR S, T, U) — I on Muck (A10) (LRR S) Protocol Variance (A3) — Dolyvalue Below Surface (S8) (LRR S, T, U) — Reduced Vertic (F18) (outside MLAR 150A 150A 150A 150A 150A 150A 150A 150A												
ype: C=Concentration. D=Depletion. RM=Reduced Matrix. CS=Covered or Costed Sand Grains *Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ¹ : Indicators for Problematic Hydric Soils ¹ : Indicators for Problematic Hydric Soils ¹ : Indicators for Problematic Muck (A9) (LRR 0) Depleted Matrix (F3) ULRR P, S, Drafided Layers (A5) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Indicators (F4) (LRR P, T, Depleted Matrix (F3) Depleted Matrix (F3) Cost Praire Redox (A10) Depleted Matrix (F3) Cost Praire Redox (A10) Depleted Matrix (F3) Cost Praire Redox (A10) Depleted Matrix (F3) Sandy Gleyed Matrix (F3) Sandy Gleyed Matrix (F3) Depleted Cost (F1) (MLRA 150) Depleted Cost (F1) (MLRA 151) Defletion Cost (F1) (MLRA 153) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F1) (MLRA 150, T) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F1) (MLRA 150, T) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F1) (MLRA 150, T) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F1) (MLRA 150, T) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F1) (MLRA 150, T) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F2) (MLRA 150, T) Defletion Cost (F3) (LRR P, S, T, U) Defletion Cost (F2) (LRP P, S, T, U) Defletion Cost (F2) (LRP P, S, T, U) Defletion Cost (F3) (LRP P, T, U) Defletion Cost (F3) (LRP P, T, U) Defletion Cost (F3) (LRP P, T, U)									-			
yper: C-Concentration. D=Depletion, RM=Reduced Matrix, CS=Covered or Coaled Sand Grains *Location: *Location: yord: Solid Indicators:												
Spec Concentration. D=Depletion, RM=Reduced Matrix. CS=Covered or Coaled Sand Grans. *Locations for Problematic Hydric Solis": Histosol (A1) Image: Comparison of the compar					_							
varie Soil Indicators for Problematic Hydric Soils ¹ ; Histosol (A1) Indicators for Problematic Hydric Soils ¹ ; I cm Muck (A9) (LRR 0) Black Histic (A3) Indicators for Problematic Hydric Soils ¹ ; I cm Muck (A9) (LRR 0) Indicators for Problematic Hydric Soils ¹ ; I cm Muck (A9) (LRR 0) Stratified Layers (A5) Organic Bodies (A6) (LRR 0, T, U) Depleted Matrix (F2) Indicators for Problematic (F16) (LRR 150) Organic Bodies (A6) (LRR 0, T, U) Depleted Dark Surface (F7) Red Parent Material (TF2) Muck Anomalous Bright Learny Soils (F10) (LRR 1, 1 Depleted Below Dark Surface (A11) Depleted Dark Surface (A12) Mari (F10) (LRR 0, T1) Red Parent Material (TF2) Sandy Mucky Mineral (A16) (MLRA 150) Depleted Dark Surface (A12) Oro-Manganese Masses (F12) (MLR 0, P, T, U) Indicators of hydrophylic vegetation and wetland hydrology must be present. unless disturbed or problematic. Sandy Mucky Mineral (A16) (MLRA 150) Depleted Vertic (F18) (MLRA 150A, 150B) Indicators of hydrophylic vegetation and wetland hydrology must be present. unless disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Learny Soils (F20) (MLRA 145A, 153D) Indicators of hydrophylic vegetation and wetland hydrology must be present. Unless disturbed or problematic. Stripped Matrix (S6) Hormanious Bright Learny Soils (F20) (MLRA 145A, 153D) Indicators of hydrophylic vegetation and more soils (F10) (MLRA 150A, 153D)	Type: C=0	Concentration, D=De	pletion, RM=	Reduced Matrix, C	S=Covere	d or Coate	d Sand G	irains. ² Lo	cation: PL=	Pore Lini	ng, M=M	atrix.
Histoc Dipolation (A2) Polyvalue Below Surface (S3) (LRR S, T, U) 1 cm Muck (A6) (LRR O) Histic Explored Nation (A3) Loamy Mucky Mineral (F1) (LRR O) 2 cm Muck (A10) (LRR P) Statified Layers (A5) Reduced Vertic (F16) (outside MLRA 150A Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Redox Born Solis (F12) (LRR P, S10) Depleted Below Dark Surface (A11) Redox Dark Surface (F12) Redox Dark Surface (F12) There More IA6) (LRR P, T, U) Redox Dark Surface (F12) (LRR P, T, U) Redox Dark Surface (F12) (LRR P, T, U) Depleted Below Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) Thoro-Manganese Masses (F12) (LRR P, T, U) Sandry Gleyed Matrix (S4) Sandry Gleyed Matrix (S4) Peidmont Floodplain Solis (F12) (MLRA 145A) Sandry Redox (S5) Simped Matrix (S4) Anomalous Bright Loamy Solis (F20) (MLRA 145A) Sandry Redox (S5) Simped Matrix (S4) Anomalous Bright Loamy Solis (F20) (MLRA 145A) Dark Surface (S7) (LRR P, S, T, U) Peidmont Floodplain Solis (F19) (MLRA 145A) Tasc, Ts3D) Dark Surface (S7) (LRR P, S, T, U) Peidmont Floodplain Solis (F20) (MLRA 145A) Tick Soli Present? Yes No Dark Surface (S7) (LRR P, S, T, U) Peidmont Floodplain Solis (F20) (MLRA 145A) No Sandre (F0 beerved): <td>lydric Soi</td> <td>I Indicators:</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td>Indicators</td> <td>for Proble</td> <td>matic Hyd</td> <td>dric Soil</td> <td>s³:</td>	lydric Soi	I Indicators:		-				Indicators	for Proble	matic Hyd	dric Soil	s ³ :
Histic Epipedon (A2) Thin Dark Surface (B9) (LRR S, T, U) Coarry Mudxy Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Reduced Vertic (F18) (LRR P, T, U) Reduced Vertic (F19) (LRR T, T) Organic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F7) Redu Cark Surface (F1) Redu Cark Surface (F1) Muck (Y8) (LRR P, T) Depleted Dark Surface (F1) (MLRA 151) Reduced Vertic (F19) (LRR 0, S) Sandy Medxy Mineral (S1) (LRR 0, S) Sandy Mucky Mineral (S4) Sandy Rudxy Mineral (S4) Reduced Vertic (F10) (MLRA 150A) Nate Present Material (TF2) Sandy Rudxy Mineral (S4) Reduced Vertic (F10) (MLRA 150A) Nater (F10) (LRR 0, S) Sandy Rudxy Mineral (S4) Sandy Rudxy Mineral (S7) (LRR P, S, T, U) Eled Ochric (F11) (MLRA 150A) Nater (S7) (LRR P, S, T, U) Nater (S7) (LRR P, S, T, U) Type:	Histoso	ol (A1)		Polyvalue B	elow Surfa	ice (S8) (L	RR S, T,	U) 🔲 1 cm l	Muck (A9) (I	RR O)		
Black Histic (A3) Loamy Mucky Mineral (F1) (LRR 0) Reduced Vertic (F18) (outside MLRA 150A Stratified Layers (A5) Depleted Matrix (F3) Reduced Vertic (F18) (outside MLRA 150A Som Mucky Mineral (A7) (LRR P, T, U) Depleted Matrix (F3) Reduced Vertic (F18) (outside MLRA 150A Som Mucky Mineral (A7) (LRR P, T, U) Depleted Matrix (F3) Red Parent Material (TF2) Mucky Mineral (A7) (LRR P, T, U) Depleted Matrix (F3) Red Parent Material (TF2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Cehric (F11) (MLRA 151) Piedmont Floodplain and wetland hydrology must be present. Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Marmalous Bright Learny Soils (F20) (MLRA 149A) Anomalous Bright Learny Soils (F20) (MLRA 149A) Sandy Gleyed Matrix (S6) Fieldmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Learny Soils (F20) (MLRA 149A) Stripeed Matrix (S6) Fieldmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Learny Soils (F20) (MLRA 149A) Stripeed Matrix (S6) Fieldmont Floodplain Soils (F10) (MLRA 149A) Anomalous Bright Learny Soils (F20) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Externation (S7) (MLRA 150, S1) Indeclevel (S7) (MLRA 150, S1) Depth (inches): Depth (inches): Mark (S1) No <td>Histic E</td> <td>Epipedon (A2)</td> <td></td> <td>Thin Dark S</td> <td>urface (S9</td> <td>) (LRR S,</td> <td>T, U)</td> <td>2 cm</td> <td>Muck (A10)</td> <td>(LRR S)</td> <td></td> <td></td>	Histic E	Epipedon (A2)		Thin Dark S	urface (S9) (LRR S,	T, U)	2 cm	Muck (A10)	(LRR S)		
Hydrogen Sulfde (A4) Clearny Gleyed Matrix (F2) Perform Floodplain Soils (F19) (LRR P, S, Cross (LRR P, S, Cross (LRR P, T, U)) Stratified Layers (A5) Depleted Matrix (F3) Redox Depressions (F8) Perform Floodplain Soils (F19) (LRR P, S, Muck Pitesene (A1)) S m Mucky Mineral (A1) Depleted Dark Surface (F1) Redox Depressions (F8) Perform Floodplain Soils (F19) (LRR P, S, Muck Pitesene (A1)) Depleted Below Dark Surface (A12) Mar (F10) (LRR P, T, U) Perform Floodplain Soils (F12) (LRR P, T, U) Perform Kastriace (F12) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR P, S, S) Mar (F10) (LRR P, T, U) Perform Floodplain Soils (F13) (MLRA 150) Perform Kastriace (F12) (LRR P, T, U) Sandy Mucky Mineral (S1) (LRR P, S, T, U) Bela Ochric (F11) (MLRA 150, 150) Perform Floodplain Soils (F13) (MLRA 149A) Anomalous Bright Loarny Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRP P, S, T, U) Bela Ochric (F13) (MLRA 150, 150) Perform Floodplain Soils (F13) (MLRA 149A, 153C, 153D) Detht (nches): Muck Pitesent? Yes No Deptht (nches): Hydric Soil Present? Yes No	Black H	Histic (A3)		Loamy Muck	y Mineral	(F1) (LRR	0)	Reduc	ed Vertic (F	18) (outs	ide MLR	A 150A
Startified Layers (A5) Depleted Matrix (F3) Gragnic Bodies (A6) (LRR P, T, U) Som Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Depleted Delow Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Depleted Ochric (F13) (LRR V) Depleted Ochric (F13) (MLRA 153) Depleted Ochric (F13) (MLRA 153) Depleted Ochric (F13) (MLRA 153) Depleted Matrix (S6) Sandy Cleyed Matrix (S4) Bripped Matrix (S6) Depleted Solit (F13) (MLRA 150A, 150B) Pledmont Floodplain Soils (F20) (MLRA 149A) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) 	Hydrog	en Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		H Piedr	ont Floodpl	ain Soils (F19) (LR	RP,S,
Organic Bodies (A6) (LRR P, T, U) Image: Construction of the second] Stratifie	ed Layers (A5)		Depleted Ma	atrix (F3)			Anom	alous Bright	Loamy Se	oils (F20))
1 Sem Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Bed Parent Material (TF2) Muck Presence (A8) (LRR V) Redox Depressions (F8) Depleted Dark Surface (A17) Depleted Below Dark Surface (A17) Depleted Chric (F11) (MLRA 151) Depleted Chric (F12) (LRR 0, P, T) Diron-Manganese Masses (F12) (LRR 0, P, T) Umbric Surface (F12) (LRR 0, P, T) Indicators of hydrophytic vegetation and wetland hydrology must be present. unless disturbed or problematic. Sandy Cleve Matrix (S4) Bedit Ochric (F13) (MLRA 150A, 150B) Depleted Ochric (F10) (MLRA 150A, 150B) Sandy Redox (S5) Bedit Ochric (F10) (MLRA 150A, 150B) Depleted Ochric (F10) (MLRA 150A, 150B) Sandy Redox (S5) Bedit Ochric (F10) (MLRA 150A, 150B) Depleted Ochric (F10) (MLRA 150A, 150B) Dark Surface (S7) (LRR P, S, T, U) Destination (F10) (MLRA 150A, 150C, 153D) Destination (F10) (MLRA 150A, 150C, 153D) Dark Surface (S7) (LRR P, S, T, U) Hydric Soil Present? Yes No No Service Hydric Soil Present? Yes No	Organi	c Bodies (A6) (LRR I	P, T, U)	Redox Dark	Surface (I	-6)		L) (ML	RA 153B)	·		
Muck Presence (A8) (LRR U) Predox Depressions (F6) Urby Shallow Dark Surface (T12) (LRR T, I Depleted Below Dark Surface (A11) Perfected Below Dark Surface (A12) Coast Prairies Redox (A16) (MLRA 0, S) Sandy Mucky Mineral (S1) (LRR 0, S) Sandy Gleyed Matrix (S4) Sandy Reduced Vertic (F12) (MLRA 151) Predmort F100dpilan Solits (F12) (MLRA 149A) Sandy Reduced S5) Sandy Reduced S5) Sandy Reduced S7) (LRR P, S, T, U) Betrictive Layer (If observed): Type:	5 cm N	lucky Mineral (A7) (L	.RR P, T, U)	Depleted Da	irk Surface	e (F7)		Red F	arent Mater	ial (TF2)		
1 dem Muck (A9) (LRR P, T) Cher (Explain in Remarks) Depleted Below Dark Surface (A12) Depleted Ochic (F11) (MLRA 151) Cher (Explain in Remarks) Depleted Below Dark Surface (A12) Depleted Ochic (F11) (MLRA 151) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky (Mineral (S1) (LRR 0, S) Bedle demont Floodplain Soils (F19) (MLRA 150A, 150B) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Sandy Mecky (K56) Sandy Redox (S5) Bedle demont Floodplain Soils (F19) (MLRA 149A, 153C, 153D) Dark Surface (37) (LRR P, S, T, U) Pietmont Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Depth (inches): Hydric Soil Present? Yes No monther Hydric Soil Present? Yes No	Muck F	Presence (A8) (LRR	U)	Redox Depr	essions (F	8)		Very S	Shallow Darl	k Surface	(TF12) (-RR T, I
Depleted Below Dark Surface (A1) Thick Dark Surface (A12) Coast Praine Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR 0, S) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) strictive Layer (if observed): Type: Type: Depth (inches): Hydric Soil Present? Yes No No	1 cm M	luck (A9) (LRR P, T)		Marl (F10) (I	LRR U)			Other	(Explain in I	Remarks)		
Thick Dark Surface (A12) Inton-Manganese Masses (F12) (LRR 0, P, T) Indicators of hydrophytic vegetation and wetland hydrology must be present. Sandy Mucky Mineral (S1) (LRR 0, S) Import Surface (F13) (LRR 1, T, U) wetland hydrology must be present. Sandy Sleyed Matrix (S4) Berduced Vertic (F13) (MLRA 150, 150B) unless disturbed or problematic. Stripped Matrix (S6) Breduced Vertic (F10) (MLRA 150, 150B) unless disturbed or problematic. Dark Surface (S7) (LRR P, S, T, U) Everticitive Layer (if observed): more the served of the served	Deplete	ed Below Dark Surfa	ce (A11)	Depleted Oc	hric (F11)	(MLRA 18	51)					
Coast Prairie Redox (A16) (MLRA 150A) Imbric Surface (F13) (LRR P, T, U) wetland hydrology must be present, unless disturbed or problematic. Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150), Imprice disturbed or problematic. unless disturbed or problematic. Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) anomalous Bright Learny Soils (F20) (MLRA 149A) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) anomalous Bright Learny Soils (F20) (MLRA 149A) Type:	Thick D	Dark Surface (A12)		Iron-Mangar	nese Mass	es (F12) (I	LRR O, P	, T) ³ Indi	cators of hyd	drophytic v	regetatio	n and
Sandy Mucky Mineral (S1) (LRR 0, S) Delta Cchric (F17) (MLRA 151) unless disturbed or problematic. Sandy Reduced Vertic (F18) (MLRA 150A, 150B) Breduced Vertic (F18) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Extrictive Layer (If observed): Type: Type:	Coast I	Prairie Redox (A16)	MLRA 1504	Umbric Surfa	ace (F13)	(LRR P, T	, U)	we	tland hydrol	ogy must l	be prese	nt,
Sandy Gleyed Matrix (S4) Pedemont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Pedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No omarite:	Sandy	Mucky Mineral (S1)	(LRR O, S)	Delta Ochric	(F17) (MI	_RA 151)		un	ess disturbe	ed or probl	ematic.	
Sardy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Anomalous Bright Leamy Soils (F20) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type:	Sandy	Gleyed Matrix (S4)		Reduced Ve	rtic (F18)	(MLRA 15	0A, 150B)				
Stripped Matrix (S6)Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Extrictive Layer (If observed): Type: Depth (inches): Hydric Soil Present? Yes NoE exercise:	Sandy	Redox (S5)		Piedmont Fl	oodplain S	Soils (F19)	(MLRA 1	49A)				
L Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Better (inches): entertie:	Strippe	d Matrix (S6)		Anomalous	Bright Loa	my Soils (F	⁻ 20) (MLI	RA 149A, 153C	;, 153D)			
Type:	Dark C	urface (S7) (LRR P.	S, T, U)					1				
Type:	1 Daik S											
Depth (inches): No emarke:	estrictive	Layer (if observed)):									
emarke:	estrictive	Layer (if observed)):								_	
	estrictive Type: Depth (ir	Layer (if observed)):					Hydric Soi	Present?	Yes		o0
	Type: Depth (ir	Layer (if observed)):	_				Hydric Soi	Present?	Yes		o
	Type: Depth (ir	Layer (if observed)):	_				Hydric Soi	Present?	Yes		o2
	Type: Depth (ir	Layer (if observed)):					Hydric Soi	Present?	Yes		o
	Type: Depth (ir	Layer (if observed)):					Hydric Soi	Present?	Yes		oD
	Type: Depth (ir	Layer (if observed)):					Hydric Soi	Present?	Yes		o
	Type: Depth (ir	Layer (if observed)):					Hydric Soi	Present?	Yes		o
	Strictive Type: Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		o
	Type: Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		o
	Type: Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes	<u> </u>	o <u>D</u>
	Type: Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		o <u>D</u>
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		o
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		o
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		o
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		<u>ه _ D</u>
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		o
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		<u>ه _ </u> [2
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		<u>ه [۵</u>
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°
	Depth (ir	Layer (if observed)						Hydric Soi	Present?	Yes		°