VEGETATION (Five/Four Strata) -	Use scientific names of plants.
, ,	Dominant

			ominant pecies? .		Sampling Point: Wet - 1
/No.	Absolute	R	el.Strat.	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 m)	% Cove		Cover	Status	Number of Dominant Species
Pinus elliottii	- 5	V	23.8%	FACW	That are OBL, FACW, or FAC: 9 (A)
Magnolia virginiana	10	V	47,6%	FACW	Total Number of Dominant
Nyssa sylvatica	5	V	23,8%	FAC	Species Across All Strata: 9 (B)
Taxodium ascendens	. 1		4.8%	OBL	Barrant of the class LG and a
	0_		0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
	0	\vdash	0.0%	**	
WW (^.		닏	0.0%		Prevalence Index worksheet:
	0	Ш	0.0%		Total % Cover of: Multiply by:
50% of Total Cover: 10.5 20% of Total Cover: 4.2	21	= To	otal Cove	r	OBL species 9 x 1 = 9
apling or Sapling/Shrub Stratum (Plot size: 30 m)				FACW species 63 x 2 = 126
Magnolia virginiana	15	V	50.0%	FACW	FAC species 19 x 3 = 57
Nyssa sylvatica	10	~	33.3%	FAC	FACU species $0 \times 4 = 0$
Cyrilla racemiflora	3 .	Ш	10.0%	FACW	UPL species $0 \times 5 = 0$
Acer rubrum	2	Ш	6.7%	FAC	Column Totals: 91 (A) 192 (B)
	0		0.0%		
Y	0		0.0%		
1=1/4	0		0.0%		Hydrophytic Vegetation Indicators:
BY A COMPANY OF THE PARTY OF TH	0		0.0%	×	1 - Rapid Test for Hydrophytic Vegetation
50% of Total Cover: 15 20% of Total Cover: 6	30	= Tc	tal Cove	r	✓ 2 - Dominance Test is > 50%
hrub Stratum (Plot size: 30m)					✓ 3 - Prevalence Index is ≤3.0 ¹
Cyrilla racemiflora	10	~	31.3%	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
Ilex coriacea	15	V	46.9%	FACW	- Problematic Hydrophytic Vegetation - (Explain)
Ilex glabra			15.6%	FACW	¹ Indicators of hydric soil and wetland hydrology must
Acer rubrum		\Box	6.3%	FAC	be present, unless disturbed or problematic.
Freed Francisco	0		0.0%	TAC.	Definition of Vegetation Strata:
	0		0.0%		Tree - Woody plants, excluding woody vines,
50% of Total Cover: 16 20% of Total Cover: 6.4		— Та	tal Cove		approximately 20 ft (6 m) or more in height and 3 in.
***************************************	JZ .		cai corci		(7.6 cm) or larger in diameter at breast height (DBH).
lerb Stratum (Plot size: 30 m					Sapling - Woody plants, excluding woody vines,
. Woodwardia areolata		V	62.5%	OBL	approximately 20 ft (6 m) or more in height and less
Woodwardia virginica	3	V,	37.5%	OBL	than 3 in. (7.6 cm) DBH.
	0		0.0%		
· · · · · · · · · · · · · · · · · · ·	. 0	\sqcup	0.0%		Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1m) tall.
	0	Ш.	0.0%		than 5 m. DDH and greater than 5.20 ft (1m) tall.
Name of the Print	0	\square	0.0%		Shrub - Woody plants, excluding woody vines,
•	0	Ц.	0.0%		approximately 3 to 20 ft (1 to 6 m) in height.
· · · · · · · · · · · · · · · · · · ·	0	\square	0.0%	* * * ·	II
	0	\square	0.0%		Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
	0		0.0%		plants, except woody vines, less than approximately
	0 _		0.0%		3 ft (1 m) in height.
	0		0.0%		
0% of Total Cover: 4 20% of Total Cover: 1.6	8 =	= To	tal Cover		Woody vine - All woody vines, regardless of height.
oody Vine Stratum (Plot size: 30 m)				Į	
	0		0.0%		
	0		0.0%	,	
THE THE PERSON OF THE PERSON O	0		0.0%	-	
	-	\Box	0.0%		
	0		0.0%		Hydrophytic
			n. rar	CA C	Vegetation Present? Yes No
60% of Total Cover: 0 20% of Total Cover: 0	0 =	= IO	tal Cover		

Profile Description: (Describe to the depth needed to document the Indicator or confirm the absence of Indicators.) Depth	OIL									Sampling Point: Wet - 1
Color (moist) 96 Type: Color (moist) 96 Type: Loary Sand 3-16 10YR 3/2 95 10YR 7/2 5 C M Sandy Loam Type: Co-Concentration, Do-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains ** Location: PL-Pore Lining, M-Matrix Hydric Soil Indicators: Type: Co-Concentration, Do-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains ** Location: PL-Pore Lining, M-Matrix Hydric Soil Indicators: Type: Co-Concentration, Do-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains ** Location: PL-Pore Lining, M-Matrix Hydric Soils*: Tipe: Co-Concentration, Do-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains ** Location: PL-Pore Lining, M-Matrix Hydric Soils*: Tipe: Co-Concentration, Do-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains ** Location: PL-Pore Lining, M-Matrix Hydric Soils*: Tipe: Co-Concentration, Do-Depletion, RM-Reduced Matrix, CS-Covered or Coated Sand Grains ** Location: PL-Pore Lining, M-Matrix Hydrix H	Profile Desc	ription: (De	scribe to	the depth	needed to d	locument	t the ind	licator or co	onfirm the	absence of indicators.)
3 10YR 3/2 3-16 10YR 5/2 95 10YR 7/2 5 C M Sandy Loam Type: C~Concentration. D~Depletion. RM~Reduced Matrix, CS~Covered or Coated Sand Grains *Location: PL~Pore Lining. M~Matrix Hydric Soil Indicators: Histosol (A1)	Depth	1	Matrix			Re	dox Fea	tures		41
Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Type: C-Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Type: C-Concentration. D=Depletion. RM=Reduced Sand Grains Tope: C-Concentration. D=Depletion. PL-Contration. PL				%	Color (moist)	. %	Type	_ Loc2	
Type: C-Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains Polyvalue Below Surface (S8) (LRR S, T, U)	0-3	10YR	3/2							Loamy Sand
Hydric Soil Indicators: Histosol (A1)	3-16	10YR	5/2	95	10YR	7/2	5	С	М	Sandy Loam
Hydric Soil Indicators: Histosol (A1) Histosol (A2) Black Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) Histosol (A3) Loamy Mucky Mineral (F1) (LRR O) Corganic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F6) Const Prairie Redox (A10) (LRR P, T, U) Depleted Below Dark Surface (A12) Tron-Manganese Masses (F12) (LRR O, P, T) Depleted Below Dark Surface (A12) Tron-Manganese Masses (F12) (LRR O, P, T, U) Sandy Muck Mineral (S1) (LRR O, S) Sandy Muck Mineral (S1) (LRR O, S) Sandy Muck Mineral (S1) (LRR O, S) Sandy Redox (S5) Delta Ochric (F11) (MLRA 150A) Delta Ochric (F13) (MLRA 150A) Delta Ochric (F13) (MLRA 150A) Delta Ochric (F13) (MLRA 150B) Delta Ochric (F13) (MLRA 150B) Delta Ochric (F13) (MLRA 150A) Delta Ochric (F13) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Delta Ochric (F13) (MLRA 149A) Delta Ochric (F13) (MLRA 1										
Indicators: Histosol (A1)										
Histosol (A1)	· :		=Depletio	n. RM=Redu	iced Matrix, (CS=Covere	ed or Coa	ted Sand Gr	ains ² Loca	<u> </u>
Histic Epipedon (A2) Thin Dark Surface (S9) (LRR S, T, U) 2 cm Muck (A10) (LRR S) Black Histic (A3) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) (outside MLRA 150A,B) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (LRR P, S, T) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) (MLRA 1538) Organic Bodies (A6) (LRR P, T, U) Depleted Dark Surface (F6) Red Parent Material (TF2) Stratified Layers (A5) Redox Dark Surface (F6) Red Parent Material (TF2) Stratified Layers (A8) (LRR P, T, U) Depleted Dark Surface (F7) Very Shallow Dark Surface (TF12) Muck Presence (A8) (LRR U) Redox Depressions (F8) Other (Explain in Remarks) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Delta Ochric (F17) (MLRA 151) Sandy Muck Mineral (S1) (LRR O, S) Delta Ochric (F13) (LRR P, T, U) Sandy Redox (S5) Delta Ochric (F18) (MLRA 150A, 150B) Very Shallow Dark Surface (F12) Stripped Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Very Shallow Dark Surface (F12) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Sestrictive Layer (If observed): Type:					Poly	walue Bek	nw Surfac	ce (SR) (I RR	S. T. U)	
Black Histic (A3)	_ `	-								
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F19) (LRR P, S, T) Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) (MLRA 1538) Redox Dark Surface (F6) Red Parent Material (TF2) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Wery Shallow Dark Surface (TF12) Muck Presence (A8) (LRR U) Redox Depressions (F8) Other (Explain in Remarks) Other (Explain in Remarks) Thick Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Muck Mineral (S1) (LRR Q, S) Sandy Muck Mineral (S1) (LRR Q, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Pledmont Floodplain Soils (F19) (MLRA 150A, 150B) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No										
Stratified Layers (A5) Depleted Matrix (F3) Anomalous Bright Loamy Soils (F20) (MLRA 1538) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Red Parent Material (TF2) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Wery Shallow Dark Surface (TF12) Muck Presence (A8) (LRR U) Redox Depressions (F8) Other (Explain in Remarks) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Depleted Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Umbric Surface (F13) (LRR O, P, T) Sandy Muck Mineral (S1) (LRR O, S) Sandy Muck Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Pledmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Pestrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No										
Organic Bodies (A6) (LRR P, T, U)					,		-	,		_
S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Depleted Dark Surface (F8) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Muck Mineral (S1) (LRR 0, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Pledmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Depleted Dark Surface (F12) Redox Depressions (F8) Wery Shallow Dark Surface (TF12) Very Shallow Dark Surface (TF12) Other (Explain in Remarks)			RR P. T. I	U)				·e)		
Muck Presence (A8) (LRR U)				-			-	-		
1 cm Muck (A9) (LRR P, T)				, 1, 0)						
Depleted Below Dark Surface (A11) □ Depleted Ochric (F11) (MLRA 151) □ Thick Dark Surface (A12) □ Coast Prairie Redox (A16) (MLRA 150A) □ Umbric Surface (F13) (LRR P, T, U) □ Sandy Muck Mineral (S1) (LRR O, S) □ Delta Ochric (F17) (MLRA 151) □ Sandy Gleyed Matrix (S4) □ Reduced Vertic (F18) (MLRA 150A, 150B) □ Sandy Redox (S5) □ Pledmont Floodplain Soils (F19) (MLRA 149A) □ Stripped Matrix (S6) □ Dark Surface (S7) (LRR P, S, T, U) □ Delta Ochric (F11) (MLRA 151) □ Sandy Muck Mineral (S1) (LRR O, P, T) □ Delta Ochric (F13) (LRR P, T, U) □ Delta Ochric (F13) (LRR P, T, U) □ Delta Ochric (F17) (MLRA 151) □ Reduced Vertic (F18) (MLRA 150A, 150B) □ Reduced Vertic (F18) (MLRA 149A) □ Reduced Vertic (F18) (MLRA 149A) □ Umbric Surface (S7) (MLRA 149A) □ Vertical Time Time Time Time Time Time Time Time			-		_		•	5)		Other (Explain in Remarks)
Thick Dark Surface (A12)	_			11)			-			
Coast Prairie Redox (A16) (MLRA 150A) Sandy Muck Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Pledmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) estrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	_ `		-	11)						
Sandy Muck Mineral (S1) (LRR O, S) □ Delta Ochric (F17) (MLRA 151) □ Sandy Gleyed Matrix (S4) □ Sandy Redox (S5) □ Piedmont Floodplain Soils (F19) (MLRA 149A) □ Stripped Matrix (S6) □ Dark Surface (S7) (LRR P, S, T, U) □ Dark Surface (S7) (LRR P, S, T, U) □ Depth (inches): □ Depth (inches): □ Delta Ochric (F17) (MLRA 151) □ Reduced Vertic (F18) (MLRA 150B) □ Reduced Vertic (F18) (MLRA 150B) □ Reduced Vertic (F18) (MLRA 149A) □ Reduced Vertic (F18) (MLRA 149A) □ Number of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic, value of the present of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic, value of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic, value of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic, value of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic, value of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic, value of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic, value of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	_		-			-			,	
Sandy Gleyed Matrix (S4) ☐ Reduced Vertic (F18) (MLRA 150A, 150B) ☐ Sandy Redox (S5) ☐ Pledmont 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) ☐ Cestrictive Layer (if observed): Type: ☐ Depth (inches): ☐ Hydric Soil Present? Yes ● No ☐		•		-					1	
Sandy Redox (S5) Pledmont Floodplain Soils (F19) (MLRA 149A) wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No				1, 5)				•		³ Indicators of hydrophytic venetation and
Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Destrictive Layer (if observed): Type: Depth (inches): Depth (inches):			4)						-	wetfand hydrology must be present,
Dark Surface (S7) (LRR P, S, T, U) Destrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No No									-	
Type: Depth (inches): No O Remarks:					☐ Ano	malous Br	ight Loan	ny Soils (F20) (MLRA 14	19A, 153C, 153D)
Type:	Dark Surfi	ace (S/) (LRR	(P, S, 1, 1	J)						
Depth (inches): Hydric Soil Present? Yes No O	lestrictive L	yer (if obse	erved):							
Remarks:	Type:						_ ;			# 4 · 4 · 4 · 4 · 4 · 4 · 6 · 4 · 6 · 4 · 6 · 4 · 6 · 4 · 6 · 4 · 6 · 4 · 6 · 4 · 6 · 4 · 6 · 6
	Depth (incl	nes):			12.00	22. 6				Hydric Soil Present? Yes W No U
ripped depleted matrix lower in soil column > 4 inches with some small redox concentrations.	Remarks:									
	ripped depk	eted matrix	lower in	soil colum	n > 4 inche	s with so	me sma	all redox co	ncentratio	ons.

Project / Cites NACA - Stannics 1 100 Acre Watland Delinastion	City/County: Waveland - Han	cock Sampling Date: 07-Oct-16
Project/Site: NASA - Stennis; 1,100 Acre Wetland Delineation	State: MS	Sampling Point: Wet - 2
Applicant/Owner: NASA		
Investigator(s): Lars Larson, Randy Ellis		5 20 T 7s R 16 W
Landform (hillslope, terrace, etc.): Floodplain	Local relief (concave, convex,	
	_30° 24' 53.385" N Lo	
Soil Map Unit Name: At, Atmore silt loam, 0 to 2 percent slopes	4	NWI classification: PFO 1/4 C
Are climatic/hydrologic conditions on the site typical for this time of ye	ear? Yes No	(If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significan	tly disturbed? Are "Norm	al Circumstances" present? Yes No
Are Vegetation , Soil , or Hydrology naturally	problematic? (If needed	l, explain any answers in Remarks.)
		•
SUMMARY OF FINDINGS - Attach site map showing sa	impling point locations,	transects, important features, etc.
Hydrophytic Vegetation Present? Yes No O	7-11-0	
Hydric Soil Present? Yes No O	Is the Sampled Area	Yes No
Wetland Hydrology Present? Yes No	within a Wetland?	ies © NO C
Remarks:		
Reflans.		
HYDROLOGY		
Wetland Hydrology Indicators:		Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)		Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B	•	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Marl Deposits (B:		✓ Drainage Patterns (B10)
Saturation (A3) Hydrogen Sulfide		✓ Moss Trim Lines (B16)
	heres along Living Roots (C3)	Dry Season Water Table (C2)
Sediment Deposits (B2)		✓ Crayfish Burrows (C8)
	uction in Tilled Soils (C6)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Thin Muck Surface	· ·	✓ Geomorphic Position (D2)
Iron Deposits (B5) Other (Explain In	Remarks)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)		✓ FAC-Neutral Test (D5)
✓ Water-Stained Leaves (B9)		Sphagnum moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes No Depth (inches):		
7	-	
Water Table Present? Yes ○ No ⊙ Depth (inches):	Matland Hy	rdrology Present? Yes No
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	12	urology Present: 165 C No C
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if av	ailable:
Remarks:		
	- C 11	
Saturation begins to develop around 10 to 12 inches below ground	surrace. However, numerous o	other hydology indicators are evident.

VEGETATION (Five/Four Strata) -	Use scientific names of plants.
	Dominant

6	•			ninant		Sampling Point: Wet - 2
Magnolla virginina	3	Absolute			Indicator	Dominance Test worksheet:
Magnolle virginiane	Tree Stratum (Plot size: 30 m	% Cover	_ C	over	Status	Number of Dominant Species
Menuse ellicities	1 Magnolia virginiana	15	☑	48.4%	FACW	That are OBL, FACW, or FAC: 8 (A)
Second content Seco	2. Nyssa sylvatica	10	✓ _	32.3%	FAC	Total Name of Descious
1	3. Pinus elliottii	5		16.1%	FACW	
0	1. Taxodium ascendens	1		3.2%	OBL	
0	j	0		0.0%		
3. 0 □ 0.0% Total Cover 15.5 20% of Total Cover 6.2 31 □ Total Cover 15.5 20% of Total Cover 6.2 31 □ Total Cover 15.5 20% of Total Cover 25 25 25.5% FACW FAC	S	0		0.0%		That Are OBL, FACW, or FAC:
Sop Fortal Cover: 15.5 20% of Total Cover: 6.2 31 = Total Cover 5.5 20% of Total Cover: 15.5 20% of Total Cover: 10 25.5	7.	0		0.0%		Prevalence Index worksheet:
Saping of Saping Saping of Saping Sa	3	0		0.0%		Total % Cover of Multiply by:
Magnolia virginiana	50% of Total Cover: 15.5 20% of Total Cover: 6.2		= Tota	al Cover	•	
Magnolia virginiana	Sapling or Sapling/Shrub Stratum (Plot size: 30 m	1				
Pinus elliottii			~	59.5%	FACW	
Nyssa sylvatica	Diagradiatti	10	400		,	
Acer rubrum	N					
0	Actor mulmum		Ħ.			
	P.	^			IAC	Column Totals: 114 (A) 249 (B)
1 - Rapid Test for Hydrophytic Vegetation Indicators: 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 1 1 - Rapid Test for Hydrophytic Vegetation Indicators: 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 1 1 - Rapid Test for Hydrophytic Vegetation Indicators: 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 1 1 - Rapid Test for Hydrophytic Vegetation Indicators: 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 1 1 - Rapid Test for Hydrophytic Vegetation Indicators: 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 1 1 - Rapid Test for Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation Indicators: 2 - Dominance Test is > 5.0 1 1 - Rapid Test for Hydrophytic Vegetation Indicators: 3 - Prevalence Index is ≤ 3.0 1 1 - Rapid Test for Hydrophytic Vegetation Indicators: 1 - Rapid			H-			Prevalence Index = B/A = 2.184
1 - Rapid Test for Hydrophytic Vege 1 - Rapid Test for Hydrophytic Vege 2 - Dominance Test is > 50% 3 - Prevalence Index is ≤ 3.0 ¹ Problematic Hydrophytic Vegetation Megnolia virginiana		-	=			Hydrophytic Vegetation Indicators:
20			H-			
Shrub Stratum (Plot size: 30 m)			ш			1 - Rapid Test for Hydrophytic Vegetation
Cyrtlla raceniflora	50% of Total Cover: 21 20% of Total Cover: 8.4	42 =	= Tota	al Cover		✓ 2 - Dominance Test is > 50%
Magnolia virginiana	Shrub Stratum (Plot size: 30 m					✓ 3 - Prevalence Index is ≤3.0 ¹
Magnolia virginiana	Cyrilla racemiflora	20	V	71.4%	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
Acer rubrum				17.9%	FACW	
be present, unless disturbed or problem O		_		10.7%	FAC	¹ Indicators of hydric soil and wetland hydrology must
Definition of Vegetation Strata: Tree - Woody plants, excluding woody wapproximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) or larger in diameter at breast (7.6 cm) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding woody approximately 20 ft (6 m) or more in help than 3 in. (7.6 cm) DBH. Sapling - Woody plants, excluding than 3 in. (7.6 cm) DBH. Sapling - Woody p				0.0%		be present, unless disturbed or problematic.
0			\Box	0.0%		Definition of Vegetation Strata:
Solution		0				Tree - Woody plants, excluding woody vines,
No call plants 1		28 =	= Tota			approximately 20 ft (6 m) or more in height and 3 in.
1. Arundinaria tecta						(7.6 cm) or larger in diameter at breast height (DBH).
Antoniana secta 5						Sapling - Woody plants, excluding woody vines
3.						approximately 20 ft (6 m) or more in height and less
4.					OBL	than 3 in. (7.6 cm) DBH.
5.		-	⊔_	0.0%		
6. 0	4	0	<u></u> .			
7		0	<u></u>	0.0%	r	than 5 iii. BBT and greater than 5.25 it (111) tail.
8. 0 0.0% 9. 0 0.0% 0.0% 1. 0 0.0% 1. 0 0.0% 2. 0 0.0% 2. 0 0.0% 50% of Total Cover: 4 20% of Total Cover: 1.6 8 = Total Cover Vitis rotundifolia 5 100.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 Herb - All herbaceous (non-woody) plant herbaceous vines, regardless of size, an plants, except woody vines, less than ap 3 ft (1 m) in height. Woody Vine Stratum (Plot size: 30 m) Vitis rotundifolia 5 100.0% FAC 0 0.0% 0 0.0% 0 0.0% 0 Hydrophytic Vegetation		0	<u>. </u>	0.0%		Shrub - Woody plants, excluding woody vines,
8. 0 0.0% 9. 0 0.0% 0.0% 1. 0 0.0% 1. 0 0.0% 2. 0 0.0% 2. 0 0.0% 50% of Total Cover: 4 20% of Total Cover: 1.6 8 = Total Cover Vitis rotundifolia 5 100.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 Herb - All herbaceous (non-woody) plant herbaceous vines, regardless of size, an plants, except woody vines, less than ap 3 ft (1 m) in height. Woody Vine Stratum (Plot size: 30 m) Vitis rotundifolia 5 100.0% FAC 0 0.0% 0 0.0% 0 0.0% 0 Hydrophytic Vegetation	7	0		0.0%		approximately 3 to 20 ft (1 to 6 m) in height.
herbaceous vines, regardless of size, an plants, except woody vines, less than ap 3 ft (1 m) in height. 2. 0 0.0% 50% of Total Cover: 4 20% of Total Cover: 1.6 8 = Total Cover Woody Vine Stratum (Plot size: 30 m) Vitis rotundifolia 5 100.0% FAC 0 0.0% 0 0.0% 0 0.0% 0 0.0% Hydrophytic Vegetation	0	0		0.0%		
1. 0 0.0% plants, except woody vines, less than ap 3 ft (1 m) in height. 2. 0 0.0% 50% of Total Cover: 1.6 8 = Total Cover Voody Vine Stratum (Plot size: 30 m) Vitis rotundifolia 5 100.0% FAC 0 0.0% 0 0.0% 0 0.0% 0 Hydrophytic Vegetation	7	0	Ш_	0.0%		Herb - All herbaceous (non-woody) plants, including
1.	0		Ц_	0.0%		plants, except woody vines, less than approximately
2.	1	0_		0.0%		
Woody Vine Stratum (Plot size: 30 m) Vitis rotundifolia 5 ✓ 100.0% FAC 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0% Vegetation Veg etation	2.			0.0%		
Vitis rotundifolia 5 ✓ 100.0% FAC 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0%	50% of Total Cover: 4 20% of Total Cover: 1.6	8 =	Tota	l Cover		Woody vine - All woody vines, regardless of height.
Vitis rotundifolia 5 ✓ 100.0% FAC 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0% 0 0.0%	Woody Vine Stratum (Plot size: 30 m					
. 0 0.0% 0 0.0% 0 0.0% Hydrophytic Vegetation		5 5	V 1	00.0%	FAC	
. 0 0.0% 0 0.0% Hydrophytic Vegetation					: ^	
0 0.0% Hydrophytic Vegetation						
O 0.0% Hydrophytic Vegetation						
Vegetation Veg						Hydrophytic
50% of Total Cover: 2.5 20% of Total Cover: 1 5 - Total Cover Present? 1 5 NO C			.~		**************************************	Vegetation No. 11-
Solid I deli cover.	50% of Total Cover: 2.5 20% of Total Cover: 1	5 =	Tota	l Cover		Present? 15 0 NO 0
emarks: (If observed, list morphological adaptations below).						

									Sa	mpling Point: Wet - 2
rofile Desc	ription: (Des	cribe to	the depth	needed to docu	ment	the indi	cator or co	onfirm the	absence of indicato	ors.)
Depth	y	Matrix		,	Re	dox Feat				
(inches)	Color (noist)	%	Color (moi	st)_	%	Type 1	. Loc2	Texture	Remarks
0-4	10YR	3/1	100							
4-20	10YR	4/2	95	10YR	6/2	5	D	М	Sandy Loam	Very fine granied
									-	
	- T: '0'						2F -		120	
									1.0	
					и г					
·	ncentration. Da	-Depletio	л. RM=Redu	ced Matrix, CS=0	 Covere	d or Coate	ed Sand Gra	ins ² Loca	tion: PL=Pore Lining.	. M=Matrix Problematic Hydric Soils 3:
Histosol (☐ Polyvali	e Bek	w Surface	(S8) (LRR	S. T. ID	_	-
	ipedon (A2)			_ ·			(JB) (LKK (LRR S, T, I			(A9) (LRR O)
Black His				_		• • •	:1) (LRR O)	•		(A10) (LRR S)
	n Sulfide (A4)				-	_				rtic (F18) (outside MLRA 150A,B)
-	Layers (A5)					Matrix (F.	4)			oodplain Soils (F19) (LRR P, S, T)
		ND T .	n	Deplete					Anomalous I	Bright Loamy Soils (F20) (MLRA 153B)
	Bodies (A6) (LI		-	_		urface (F6			Red Parent I	Material (TF2)
	cky Mineral (A		, T, U)	☐ Deplete	d Dark	Surface (F7)		Very Shallov	v Dark Surface (TF12)
Muck Pre	sence (A8) (Li	RU)		Redox [epres	sions (F8)			Other (Expla	ain in Remarks)
1 cm Mue	ck (A9) (LRR P	, T)		Marl (F1	0) (LF	IR U)				•
Depleted	Below Dark St	ırtace (A.	11)	Deplete	d Ochi	ic (F11) (I	MLRA 151)			
Thick Dar	rk Surface (A1	2)					(F12) (LRF	(O, P, T)		
Coast Pra	irie Redox (A1	6) (MLRA	150A)				RR P, T, U)			
	uck Mineral (51			_		-17) (MLR				
	eyed Matrix (S		, -,	_	-			1500)	³ Indica	ators of hydrophytic vegetation and
Sandy Re		77		_			LRA 150A,	-	wet	land hydrology must be present,
						•	s (F19) (M	•		nless disturbed or problematic.
	Matrix (S6)		15	Anomak	ous Bri	ght Loamy	/ Soils (F20) (MLRA 14	9A, 153C, 153D)	
Dark Sum	face (S7) (LRR	P, 5, 1, l	J)							
strictive L	ayer (if obse	rved):								
Type:						-				
Depth (Inc	hes):								Hydric Soll Prese	ent? Yes 🖲 No 🔾
marks:				· · · · · · · · · · · · · · · · · ·						
							,		Balan Karan Kalan B	
letions in	lower soil co	olumn ap	ppear to be	scattered thro	ugho	ut the pr	imary ma	rıx. Very	light, but not domii	nant.

Soil Map Unit Name: Su, Smithton fine sandy loam, frequently flooded Are climatic/hydrologic conditions on the site typical for this time of year		1.1°
	problematic? (If needed, explain any answers in Remarks.) Impling point locations, transects, important features, etc.	
Hydrophytic Vegetation Present? Yes No No No Wetland Hydrology Present? Yes No No Remarks:	Is the Sampled Area within a Wetland? Yes No	
HYDROLOGY Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply) Surface Water (A1) Aquatic Fauna (B1 High Water Table (A2) Marl Deposits (B1! ✓ Saturation (A3) Hydrogen Sulfide Water Marks (B1) Oxidized Rhizosph Sediment Deposits (B2) Presence of Reduc	Sparsely Vegetated Concave Surface (B8) Sparsely Vegetated Concave Surface (B8) Image	
Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Yes No Depth (inches): Describe Recorded Data (stream gauge, monitoring well, aerial photo	Wetland Hydrology Present? Yes No	
Remarks:		

VEGETATION (Five/Four Strata) - Use scientific names of plants.

Dominant Sampling Point Species?	: Wet - 5
Absolute Rel.Strat. Indicator Dominance Test worksheet:	
Tree Stratum (Plot size: 30 m) % Cover Cover Status Number of Dominant Species	
Magnolia virginiana 15 🗹 45.5% FACW That are OBL, FACW, or FAC:	9 (A)
Nyssa sylvatica 15 🗸 45.5% FAC Total Number of Dominant	
Quercus nigra 3 9.1% FAC Species Across All Strata:	9 (B)
0 0.0%	
0 0.0% Percent of dominant Species	100 0% (A/B
0 0.0% That Are OBL, FACW, or FAC:	, 100 0 70 (79)
0 0.0% Prevalence Index worksheet:	
	ultiply by:
	1 = 10
apling or Sapling/Shrub Stratum (Plot size: 30 m) FACW species 78 x	
M	
Outstand Stem	
The special of the sp	
Orthographics	5 = 0
Cyrilla racemiflora 3 7.9% FACW Column Totals: 126 (A) 280 (B)
0 0.0% Prevalence Index = B/A =	2.222
0 0,0%	
0 0.0% Hydrophytic Vegetation Indicato	rs:
0 0.0% 1 - Rapid Test for Hydrophy	tic Vegetation
60% of Total Cover: 19 20% of Total Cover: 7.6 38 = Total Cover	- %
hrub Stratum (Plot size: 30 m)	
39-24-0 - 2-32: 10/3/ 2007 - 2002 1 A part	getation - (explain)
·····································	etland hydrology mus
be present, unless disturbed or a	
0 0.0%	-4
0 0.0% Definition of Vegetation Str	
0 0.0% Tree - Woody plants, excluding approximately 20 ft (6 m) or mor	
50% of Total Cover: 17.5 20% of Total Cover: 7 35 = Total Cover (7.6 cm) or larger in diameter at	
lerb Stratum (Plot size: 30 m	
Arundinaria tecta 5 33.3% FACW Sapling - Woody plants, excluding	
approximately 20 ft (6 m) or mor word with the most of	e in neight and less
C	
o l o ook I Saplind/Shrub - Woody plants e	xcluding vines, less
than 3 in. DBH and greater than	3.28 ft (1m) tall.
Stillub - vvoody plants, excluding	
, and a second s	ı) iii neignt.
0 0.0% Herb - All herbaceous (non-wood	iv) plants including
herbaceous vines, regardless of	
0 0.0% plants, except woody vines, less	than approximately
0 0.0% 3 ft (1 m) in height.	
0 0.0%	
50% of Total Cover: 7.5 20% of Total Cover: 3 15 = Total Cover Woody vine - All woody vines, re	gardless of height.
/oody Vine Stratum (Plot size: 30 m	
Vitis rotundifolia 5 100.0% FAC	
0 0.0%	
0 0.0%	
Hudranhutic	
Vegetation Vegetation)
0% of Total Cover: 2.5 20% of Total Cover: 1 5 = Total Cover Present? Yes No	
0,0%	Vegetation

New York		iption: (De:	scribe to	the depth	needed to	document	t the indic	cator or c	onfirm the	absence of indicators.)	
(Inches) Color (moist)	Depth		Matrix			Re					
ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ype: C=Concentration. D=Depletion. RM=Reduced Verity (Fig. 1)	(inches)	Color (moist)	%	Color	moist)	%	Type 1	Loc2	Texture	Remarks
ype: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains Variet Soil Indicators:	0-5	10YR	3/1	95	10YR	6/6	5	С	М	Sandy Loam	
ydric Soil Indicators: Histosoi (A1)	5-22	10YR	3/2	90	10YR	6/2	10	D	M	Sandy Loam	
ydric Soil Indicators: Histosoi (A1)			_		_	-	-				
ydric Soil Indicators: Histosoi (A1)										*-	
ydric Soil Indicators: Histosoi (A1)								-			
Histosol (A1)	Type: C=Con	centration. D	=Depletior	 . RM=Redu	uced Matrix, (CS=Covere	 ed or Coate	ed Sand Gr	ains ² Loca	ntion: PL=Pore Lining. M=	-Matrix
Histosof (A1)	ydric Soil I	ndicators:								Indicators for Pro	blematic Hydric Soils ³ :
Histic Epipedon (A2)	Histosol (41)			Pol	yvalue Bel	ow Surface	(S8) (LRR	(S, T, U)		•
Black Histic (A3)	Histic Epip	edon (A2)			☐ Thì	n Dark Sur	face (S9) ((LRR S, T,	υ)	_ ` `	• •
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Stratified Layers (A5) Organic Bodiles (A6) (LRR P, T, U) Stratified Layers (A5) Organic Bodiles (A6) (LRR P, T, U) Stratified Layers (A5) Organic Bodiles (A6) (LRR P, T, U) Redox Dark Surface (F6) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Muck Presence (A8) (LRR U) Redox Depressions (F8) Other (Explain in Remarks) Other (Explain in Remarks) Thick Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Muck Mineral (S1) (LRR O, S) Sandy Muck Mineral (S1) (LRR O, S) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 150B) Red Parent Material (TF2) Very Shallow Dark Surface (TF12) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) In on-Manganese Masses (F12) (LRR O, P, T) Depleted Ochric (F11) (MLRA 151) Sandy Muck Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Redox Dark Surface (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150B) Redox Dark Surface (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150B) Redox Dark Surface (S1) (LRR O, S) Delta Ochric (F17) (MLRA 150B) Redox Dark Surface (S1) (LRR O, S) Delta Ochric (F18) (MLRA 150A, 150B) Redox Dark Surface (S1) (LRR O, S) Delta Ochric (F18) (MLRA 150A, 150B) Redox Dark Surface (S1) (LRR O, S) Redox Dark Surface (S1) (LRR O, S) Delta Ochric (F18) (MLRA 150A, 150B) Redox Dark Surface (S1) (LRR O, S) Redox Dark Surface (S1) Redox Dar	Black Hist	ic (A3)			Loa	my Mucky	Mineral (F	1) (LRR O)	_ `	, ,
Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Red Parent Material (TF2) Sc m Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Muck Presence (A8) (LRR U) Redox Depressions (F8) Other (Explain in Remarks) I cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Muck Mineral (S1) (LRR Q, S) Sandy Muck Mineral (S1) (LRR Q, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Depleted Chric (F18) (MLRA 150A, 150B) Reduced Vertic (F18) (MLRA 150B) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	Hydrogen	Sulfide (A4)			Loa	my Gleyed	d Matrix (F	2)			
Organic Bodies (A6) (LRR P, T, U) Redox Dark Surface (F6) Red Parent Material (TF2) S cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F7) Very Shallow Dark Surface (TF12) Muck Presence (A8) (LRR U) Redox Depressions (F8) Other (Explain in Remarks) 1 cm Muck (A9) (LRR P, T) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Depleted Ochric (F11) (MLRA 151) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Delta Ochric (F17) (MLRA 151) Sandy Muck Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) wetland hydrology must be present, unless disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	Stratified	Layers (A5)			☐ Deg	oleted Mat	rix (F3)			_	
S cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) Redox Depressions (F8) 1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR O, P, T) Coast Prairie Redox (A16) (MLRA 150A) Sandy Muck Mineral (S1) (LRR O, S) Sandy Muck Mineral (S1) (LRR O, S) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type:	Organic B	odies (A6) (L	RR P, T, U)	Rec	lox Dark S	urface (F6))			
Muck Presence (A8) (LRR U)] 5 cm Muc	ky Mineral (A	7) (LRR P,	T, U)	☐ Dep	oleted Darl	c Surface (I	F7)		• •	
1 cm Muck (A9) (LRR P, T)	Muck Pres	Presence (A8) (LRR U) Redox Depressions (F8)							• •		
Thick Dark Surface (A12)	1 cm Muc	k (A9) (LRR F	r, T)		☐ Mai	l (F10) (LF	RR U)			C Odiei (Explair ii	i Nemana)
Coast Prairie Redox (A16) (MLRA 150A) Umbric Surface (F13) (LRR P, T, U) Sandy Muck Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	Depleted I	Below Dark S	urface (A1	1)	☐ Dep	leted Och	ric (F11) (N	MLRA 151)			
Sandy Muck Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	Thick Dark	Surface (A1	2)		☐ Iron	-Mangane	se Masses	(F12) (LRI	R O, P, T)		
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	Coast Prai	rie Redox (A:	l6) (MLRA	150A)	Um Um	bric Surfac	:e (F13) (Ц	RR P, T, U))		
Sandy Gleyed Matrix (S4) Reduced Vertic (F18) (MLRA 150A, 150B) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 149A) unless disturbed or problematic. Stripped Matrix (S6) Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D) strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	Sandy Mu	ck Mineral (S	1) (LRR O,	S)	☐ Deli	ta Ochric (F17) (MLR	A 151)		-	
Sandy Redox (55)	Sandy Gle	yed Matrix (S	4)						150B)		
Stripped Matrix (S6) Anomalous Bright Loamy Solls (F20) (MLRA 149A, 153C, 153D) Strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	Sandy Rec	lox (S5)						•	-		
Dark Surface (S7) (LRR P, S, T, U) strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No C	Stripped N	latrix (S6)					•				o distallated of problemated
strictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No C			P. S. T. U	1)		indicas bi	ignic Louini,	9 50.15 (1 20	// (FICION 2).	574 1550, 1550)	
Type: Depth (inches): Hydric Soil Present? Yes No O emarks:											
Depth (inches): Hydric Soil Present? Yes No O		yer (if obse	rved):								
emarks:		ac).								Hydric Soil Present?	Yes No
			······································				-3				
otchy areas with lighter coloring that appear stripped of darker organic material.											
	otchy area:	s with lighte	er coloring	g that app	ear strippe	d of dark	er organi	c materia	l.		

Project/Site: NASA - Stennis; 1,100 Acre Wetland Delineation	City/County: Waveland - Hancock Sampling Date: 11-Oct-16
	State: MS Sampling Point: Wet- 6
Applicant/Owner: NASA	and the second s
Investigator(s): Lars Larson, Randy Ellis	Section, Township, Range: S 28 T 7s R 16 W
Landform (hillslope, terrace, etc.): Floodplain	Local relief (concave, convex, none): undulating Slope: 1.0 % / 0.6 °
Subregion (LRR or MLRA): LRR T Lat:	30° 24' 40.727" N Long.: 89° 36' 31.790" W Datum: NAD83
Soil Map Unit Name: Atmore	NWI dassification: PFO 1/4 C
Are climatic/hydrologic conditions on the site typical for this time of year	ar? Yes No (If no, explain in Remarks.)
Are Vegetation . , Soil . , or Hydrology . significant	tly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation , Soil , or Hydrology naturally p	problematic? (If needed, explain any answers in Remarks.)
	impling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No O	Is the Sampled Area Yes No
Wetland Hydrology Present? Yes No ○	within a Wetland? Tes NO
Remarks:	
Low bottom-draiange area approximately 60-70 feet from UP-6 wthi	in riparian flood plain of Turtieskin Creek.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
Primary Indicators (minimum of one required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Aquatic Fauna (B1	
High Water Table (A2) Marl Deposits (B15)	
Saturation (A3) Hydrogen Sulfide (
	neres along Living Roots (C3)
Sediment Deposits (B2) Presence of Reduc	
	ction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)
☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface ☐ Iron Deposits (B5) ☐ Other (Explain in R	
iron Deposits (B5) Unundation Visible on Aerial Imagery (B7) Other (Explain in F	FAC-Neutral Test (D5)
Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)
	□ Sphaghuil Hoss (bb) (ERT, b)
Field Observations: Surface Water Present? Yes No Depth (inches):	
- · · · · · · · · · · · · · · · · · · ·	
	Wetland Hydrology Present? Yes No
Saturation Present? (includes capillary fringe) Yes No Depth (inches):	
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if available:
Remarks:	
Drainage patterns, low bottom area with numerous buttressed trees.	

VEGETATION	(Five/Four	Strata) -	Use	scientific	names o	f plants.
	-	-				Dominant

		Dominant Species? _		Sampling Point: Wet- 6
(Plat stars 20	Absolut	te Rel.Strat.	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 m)	% Cov		Status	Number of Dominant Species
Nyssa sylvatica	15	55.6%	FAC	That are OBL, FACW, or FAC: 8 (A)
Quercus nigra	10	✓ 37.0%	FAC	Total Number of Dominant
Pinus elliottii	2	7.4%	FACW	Species Across All Strata: 8 (B)
	.0	0.0%	Depotes to the desire to	
	0	0.0%		Percent of dominant Species That Are ORL FACW or FAC: 100.0% (A/B
		0.0%		That Are OBL, FACW, or FAC: 100.0% (A/B
	0	0.0%	2-00-0	Prevalence Index worksheet:
	0	0.0%		Total % Cover of: Multiply by:
50% of Total Cover: 13.5 20% of Total Cover:		= Total Cover	•	OBL species 12 x 1 = 12
apling or Sapling/Shrub Stratum (Plot size: 30				FACW species 22 x 2 = 44
Nyssa sylvatica	40	✓ 50.0%	FAC	FAC species 45 x 3 = 135
Quercus nigra	_	✓ 25.0%	FAC	FACU species $0 \times 4 = 0$
	3	15.0%	FACW	1 1000000
A4		10.0%	FACW	1. 1 species
			INCVV	Column Totals: 79 (A) 191 (B)
		0.0%		Prevalence Index = B/A = 2.418
- W W				Hydrophytic Vegetation Indicators:
		0.0%		manophysic regention muicators:
		0.0%		1 - Rapid Test for Hydrophytic Vegetation
50% of Total Cover: 10 20% of Total Cover:	4 20	= Total Cover	•	✓ 2 - Dominance Test is > 50%
ihrub Stratum (Plot size: 30 m)				✓ 3 - Prevalence Index is ≤3.0 ¹
Magnolia virginiana	10	✓ 58.8%	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
Acer rubrum		₹ 29.4%	FAC	Problematic regulation (Explain)
BM		11,8%	FACW	¹ Indicators of hydric soil and wetland hydrology mus
· . m · rac · . · . AP W	-		LACV	be present, unless disturbed or problematic.
		0.0%	e - • • •	Definition of Vegetation Strate:
	0	U0.0%_		Definition of Vegetation Strata:
		□ 0.0%		Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
60% of Total Cover: 8.5 20% of Total Cover:	3.4 17	= Total Cover		(7.6 cm) or larger in diameter at breast height (DBH).
lerb Stratum (Plot size: 30 m)				Carlina Washington and Alexander
Woodwardia areolata	10	66.7%	OBL	Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less
2. Arundinaria tecta	3	✓ 20.0%	FACW	than 3 in. (7.6 cm) DBH.
3. Woodwardia virginica	2	13,3%	OBL	
	0	0.0%		Sapling/Shrub - Woody plants, excluding vines, less
).	0	0.0%		than 3 in. DBH and greater than 3.28 ft (1m) tall.
	0	0.0%		
5	:0	0.0%		Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
7 	0	0.0%		approximately o to 20 it (1 to 0 iii) iii iioigitt.
3				Herb - All herbaceous (non-woody) plants, including
		0.0%		herbaceous vines, regardless of size, and woody
·		0.0%		plants, except woody vines, less than approximately
	0_	□ 0.0%		3 ft (1 m) in height.
2	0	0.0%		Manager and Allers and
50% of Total Cover: 7.5 20% of Total Cover:	3 15	= Total Cover		Woody vine - All woody vines, regardless of height.
Voody Vine Stratum (Plot size: 30 m			ļ	
	0	0.0%		
· · · · · · · · · · · · · · · · · · ·	0	0.0%		
	0	0.0%		
	0	0.0%		
	0	0.0%		Hydrophytic
		= Total Cover	e	Vegetation Present? Yes No ○
50% of Total Cover: 0 20% of Total Cover:				

Profile Becci									Samplir	ig Point: Wet-6	
, Torne Descri	iption: (Des		the depth	needed to do				onfirm the	absence of indicators.)		
Depth		Matrix				dox Featu	- 1				
(inches)	Color (1		0/0	Color (n	olst)	%	Type *	Loc2	Texture	Remarks	
0-5	10YR	3/1	100					_		14.118	
5-16	10YR	3/2	90	10YR	7/2	10	. C	M	Sandy Loam		
	-				-						
							-			v. x	
Pa.											
Гуре: C=Conc	entration. D	=Depletion	n. RM=Redu	ced Matrix, CS	=Covere	d or Coate	d Sand Gra	ains ² Loca	tion: PL=Pore Lining. M=M	latrix	
lydric Soil Ia	ndicators:								Indicators for Probl	ematic Hydric Soils ³ :	
Histosol (A	•			Polyv	alue Belo	ow Surface	(S8) (LRR	S, T, U)	☐ 1 cm Muck (A9) (I	_RR O)	
Histic Epip						face (S9) (I		-	2 cm Muck (A10)		
Black Histic				Loam	y Mucky	Mineral (F	l) (LRR O)		Reduced Vertic (F	18) (outside MLRA 150A,B)	
	Sulfide (A4)			Loam	y Gleyed	l Matrix (F2)		Piedmont Floodpla	ain Soils (F19) (LRR P, S, T)	
Stratified L				Deple	ted Matr	tx (F3)			Anomalous Bright	Loamy Soils (F20) (MLRA 153B)	
	odies (A6) (LF		-	Redo	CDark S	urface (F6)			Red Parent Materi	al (TF2)	
_	cy Mineral (A)		, T, U)	Deple	ted Dark	Surface (F	7)		Very Shallow Dark Surface (TF12)		
	ence (A8) (LF			Redo	Depres	sions (F8)			Other (Explain in Remarks)		
_	(A9) (LRR P			Marl	(F10) (LF	RR U)				•	
-	Below Dark St	-	11)	Deple	ted Ochr	ric (F11) (M	ILRA 151)				
	Surface (A1	•		Iron-	Mangane	se Masses	(F12) (LRF	R O, P, T)			
_	ie Redox (A1			Umbr	ic Surfac	e (F13) (LF	R P, T, U)				
_ `	k Mineral (\$1		, S)	☐ Delta	Ochric (I	F17) (MLRA	151)		37		
_	ed Matrix (S	4)		Redu	ed Vertl	c (F18) (MI	RA 150A,	150B)	-indicators o wetland h	of hydrophytic vegetation and ydrology must be present,	
J Sandy Red Sandy				Piedn	ont Floo	dplain Solls	(F19) (M	LRA 149A)		disturbed or problematic.	
Stripped M				Anor	alous Bri	ight Loamy	Soils (F20) (MLRA 149	9 A, 153C, 153D)		
	ce (S7) (LRR	P, S, T, U	J)								
□ Dark Surface											
」 Dark Surfa											
	ver (if obse	rved):									
estrictive La	yer (if obse	rved):									
estrictive La		rved):	Trace	47.00		-			Hydric Soil Present?	Yes ● No ○	
estrictive La Type: Depth (inch		rved):							Hydric Soil Present?	Yes ● No ○	
estrictive La Type: Depth (inch		rved):		V					Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):	ne see			4			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):		- V		<u>-</u>			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):				<u>.</u>			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes [●] No [○]	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes ● No ○	
estrictive La		rved):				-			Hydric Soil Present?	Yes ● No ○	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes No	
estrictive La Type: Depth (inch		rved):				-			Hydric Soil Present?	Yes No	

Project/Site: NASA - Stennis; 1,100 Acre Wetland Delineation	City/County: Waveland - Hancock Sampling Date: 11-Oct-16
Applicant/Owner: NASA	State: MS Sampling Point: Wet - 7
Investigator(s): Lars Larson, Randy Ellis	Section, Township, Range: S 28 T 7s R 16 W
Landform (hillslope, terrace, etc.): Terrace	Local relief (concave, convex, none): none Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR T Lat:	30° 24' 46.797" N Long.: 89° 36' 26.603" W Datum: NAD83
Soil Map Unit Name: At, Atmore silt loam, 0 to 2 percent slopes	NWI classification: PFO 1/4 C
Are climatic/hydrologic conditions on the site typical for this time of ye	
Are Vegetation . , Soil . , or Hydrology . significant	tly disturbed? Are "Normal Circumstances" present? Yes 🏵 No 🔾
Are Vegetation 🔲 , Soil 🗌 , or Hydrology 🔲 naturally (problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sa	impling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No No Wetland Hydrology Present? Yes No No Remarks:	Is the Sampled Area within a Wetland? Yes No O
	oly disturbed with a mix of vegetative species just north of heavy pine overstory.
HYDROLOGY	
Sediment Deposits (B2) □ Drift Deposits (B3) □ Algal Mat or Crust (B4) □ Iron Deposits (B5) □ Inundation Visible on Aerial Imagery (B7) ■ Water-Stained Leaves (B9) Field Observations:	Sparsely Vegetated Concave Surface (B8) 5) (LRR U) Odor (C1) Moss Trim Lines (B16) Dry Season Water Table (C2) ced Iron (C4) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) e (C7) Sparsely Vegetated Concave Surface (B8) Dry Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Geomorphic Position (D2)
Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Yes No Depth (inches): Depth (inches): No Depth (inches): Depth (inches): Depth (inches): Depth (inches):	Wetland Hydrology Present? Yes ⊚ No ○
Remarks:	

VEGETATION (Five/Four Strata) - Use scientific names of plants.

Dominant

Tree Stratum (Plot size: 30 m)	Absolute % Cove	e Re	ecies? el.Strat. Cover	Indicator Status	Dominance Test worksheet:
Pinus elliottii	10	V	52,6%	FACW	Number of Dominant Species That are OBL, FACW, or FAC: 10 (A)
Nyssa sylvatica	5		26,3%	FAC	THE GIC OBLY FROM OF THE CAN
Ourselle - Inc.			15.8%	FAC	Total Number of Dominant
Marine Provident from		⊢			Species Across All Strata: 10 (B)
Magnolia virginiana		H-	5.3%	FACW	Percent of dominant Species
	. 0	Н.	0.0%		That Are OBL, FACW, or FAC: 100.0% (A/B)
	0	Щ.	0.0%		That the obly the ty of the
F. LEW. Mr. J. Schools	. 0	Ш	0.0%		Prevalence Index worksheet:
• • •	.0		0.0%		Total % Cover of: Multiply by:
50% of Total Cover: 9.5 20% of Total Cover: 3.8	19	= To	tal Cove	г	OBL species 7 x 1 = 7
Sapling or Sapling/Shrub Stratum (Plot size: 30 m	1				FACW species 29 x 2 = 58
Dinue alliatti	10	V	FF 60/	EACW	
Manada	-		55,6%	FACW	
Magnolia virginiana		✓.	27.8%	FACW	FACU species $0 \times 4 = 0$
Acer rubrum	. 3	Щ.	16.7%	FAC	UPL species $0 \times 5 = 0$
Elign common Munico Heal on V	. 0		0.0%		Column Totals: 80 (A) 197 (B)
	0		0.0%		
	. 0		0.0%		Prevalence Index = B/A = 2.463
•	0		0.0%		Hydrophytic Vegetation Indicators:
	0		0.0%	500 C 1000	
THE RESERVE THE PROPERTY OF THE PARTY OF THE			,		1 - Rapid Test for Hydrophytic Vegetation
50% of Total Cover: 9 20% of Total Cover: 3.6	18	= To	tal Cove	r	✓ 2 - Dominance Test is > 50%
Shrub Stratum (Plot size: 30 m)					✓ 3 - Prevalence Index is ≤3.0 ¹
Morella cerifera	10	V	40.0%	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Acer rubrum	7	V	28.0%	FAC	
Nyssa sylvatica	5	V	20.0%	FAC	¹ Indicators of hydric soil and wetland hydrology must
			12.0%	FACW	be present, unless disturbed or problematic.
*		=		PACW	Definition of Vegetation Strata
	0_	-	0.0%		Definition of Vegetation Strata:
3		\square	0.0%		Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
50% of Total Cover: 12.5 20% of Total Cover: 5 lerb Stratum (Plot size: 30 m)	25	= Toi	tal Cove		(7.6 cm) or larger in diameter at breast height (DBH),
1 Woodwardia areolata	5	V	71,4%	OBL	Sapling - Woody plants, excluding woody vines,
2 Woodwardia virginica		V	28.6%	OBL	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
3.	0		0.0%		and to the (7.5 only BB).
	0		0.0%		Sapling/Shrub - Woody plants, excluding vines, less
4		H			than 3 in. DBH and greater than 3.28 ft (1m) tall.
5	0		0.0%		
6.	0	H-	0.0%		Shrub - Woody plants, excluding woody vines,
7	0	Ц.	0.0%		approximately 3 to 20 ft (1 to 6 m) in height.
8 , ,	0	$\sqcup_{\underline{}}$	0.0%		
9.,, ,	0		0.0%		Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody
0	0		0.0%		plants, except woody vines, less than approximately
1,0	0		0.0%		3 ft (1 m) in height.
2.	0	Π,	0.0%		
50% of Total Cover: 3.5 20% of Total Cover: 1.4		= Tot	al Cove		Woody vine - All woody vines, regardless of height.
Voody Vine Stratum (Plot size: 30 m					
Vitis rotundifolia	10	✓	90.9%	FAC	
Rubus argutus	1		9.1%	FAC	
	0		0.0%		
	0	\Box	0.0%		
		□ .		-	Hydrophytic
50% of Total Cover: 5.5 20% of Total Cover: 2.2	0	 Tot=	0.0% al Cover	-	Vegetation Present? Yes No O

COL	
SI H	

Denth Matrix	incomed to detailed the indicator of committee the	absence of Indicators.)
pepui	Redox Features	
(inches) Color (moist) % 0-6 10YR 3/1 100	Color (moist) % Type 1 Loc2	Texture Remarks
6-16 10YR 4/2 90	10YR 7/2 10 D M	Loamy Sand
₩ #:		20 20 20 20 20 20 20 20 20 20 20 20 20 2

¹ Type: C=Concentration. D=Depletion. RM=Re	duced Matrix, CS=Covered or Coated Sand Grains 2Loca	ation: PL=Pore Lining, M=Matrix
Hydric Soil Indicators:		Indicators for Problematic Hydric Soils ³ :
Histosol (A1)	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)	
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,B)
Stratified Layers (A5)	Depleted Matrix (F3)	Piedmont Floodplain Soils (F19) (LRR P, S, T)
Organic Bodies (A6) (LRR P, T, U)		Anomalous Bright Loamy Soils (F20) (MLRA 153B)
5 cm Mucky Mineral (A7) (LRR P, T, U)	Redox Dark Surface (F6)	Red Parent Material (TF2)
Muck Presence (A8) (LRR U)	Depleted Dark Surface (F7)	└── Very Shallow Dark Surface (TF12)
1 cm Muck (A9) (LRR P, T)	Redox Depressions (F8)	Other (Explain in Remarks)
	☐ Marl (F10) (LRR U)	
Depleted Below Dark Surface (A11)	Depleted Ochric (F11) (MLRA 151)	
☐ Thick Dark Surface (A12)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)	
Coast Prairie Redox (A16) (MLRA 150A)	Umbric Surface (F13) (LRR P, T, U)	
Sandy Muck Mineral (S1) (LRR O, S)	Delta Ochric (F17) (MLRA 151)	³ Indicators of hydrophytic vegetation and
Sandy Gleyed Matrix (S4)	Reduced Vertic (F18) (MLRA 150A, 150B)	wetland hydrology must be present,
Sandy Redox (S5)	Piedmont Floodplain Soils (F19) (MLRA 149A)	unless disturbed or problematic.
Stripped Matrix (S6)	Anomalous Bright Loamy Soils (F20) (MLRA 14	ł9A, 153C, 153D)
☐ Dark Surface (S7) (LRR P, \$, T, U)		
Restrictive Layer (if observed):		_
	Į.	
Type:		
Type:		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
7.		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No
Depth (inches):		Hydric Soil Present? Yes No No
Depth (inches):		Hydric Soil Present? Yes No No
Depth (inches):		Hydric Soil Present? Yes No No
Depth (inches):		Hydric Soil Present? Yes No No

Project/Site: NASA - Stennis; 1,100 Acre Wetland Delineation	City/County: Waveland - Hancock Sampling Date: 11-Oct-16
Applicant/Owner: NASA	State: MS Sampling Point: Wet - 8
Investigator(s): Lars Larson, Randy Ellis	Section, Township, Range: S 28 T 7s R 16 W
Landform (hillslope, terrace, etc.):	ocal relief (concave, convex, none): Slope: 0.0 % / 0.0 °
Subregion (LRR or MLRA): LRR T Lat: 3	80° 24′ 39.246" N Long.: 89° 36′ 46.299" W Datum: NAD83
Soil Map Unit Name: Su, Smithton fine sandy loam, frequently flooded	NWI classification: PFO 1/4 C
Are climatic/hydrologic conditions on the site typical for this time of year	Yes No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly	· · · ·
Are Vegetation , Soil , or Hydrology naturally pro	The factor of th
SUMMARY OF FINDINGS - Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No No No No Wetland Hydrology Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks: Low drainage area.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)
☐ Sediment Deposits (B2) ☐ Presence of Reduced	(LRR U)
Remarks:	

VEGETATION (Five/Four Strata) - Use scientific names of plants.

Dominant

			ominant pecies? .		Sampling Point: Wet - 8
(0)	Absolute	e Re	el.Strat.	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 m	% Cove		Cover	Status	Number of Dominant Species
Pinus elliottii	10	V	50.0%	FACW	That are OBL, FACW, or FAC: 9 (A)
Nyssa aquatica	. 5	V	25.0%	OBL	Total Number of Dominant
Quercus virginiana	. 5	V	25.0%	FACU	Species Across All Strata: 10 (B)
	0		0.0%		
- PE	0		0.0%		Percent of dominant Species
***			0.0%		That Are OBL, FACW, or FAC: 90.0% (A/B)
	0		0.0%		Prevalence Index worksheet:
	0		0.0%		Total % Cover of: Multiply by:
50% of Total Cover: 10 20% of Total Cover: 4	20	= To	tal Cove	Г	OBL species 28 x 1 = 28
apling or Sapling/Shrub Stratum (Plot size: 30 m					FACW species68 x 2 =136
Liquidambar styraciflua	5	V	35.7%	FAC	FAC species 19 x 3 = 57
Dinus alliatti	765	V	35.7%	FACW	
Output to the later	-	Ĭ,	14.3%	FACU	
		H	THE WOLL		ore species
* * * * * * * * * * * * * * * * * * *			14.3%	FAC	Column Totals: 122 (A) 249 (B)
		H	0.0%		Prevalence Index = B/A = 2.041
· · · · · · · · · · · · · · · · · · ·		Π,	0.0%		· · · · · · · · · · · · · · · · · · ·
		Щ	0.0%		Hydrophytic Vegetation Indicators:
	0	Ш,	0.0%		1 - Rapid Test for Hydrophytic Vegetation
50% of Total Cover: 7 20% of Total Cover: 2.8	14	= To	tal Cove	r	✓ 2 - Dominance Test is > 50%
hrub Stratum (Plot size: 30 m)					✓ 3 - Prevalence Index is ≤3.0 ¹
Cyrilla racemifiora	15	V	28.8%	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
"ma 's & (2 / 3 m)	1.00	V	48.1%	FACW	Froblematic Hydrophysic regetation - (Explain)
* · · · · · · · · · · · · · · · · · · ·	-		19.2%	FAC	¹ Indicators of hydric soil and wetland hydrology must
					be present, unless disturbed or problematic.
			3.8%	FAC	Definition of Vagetation Strata
		님	0.0%		Definition of Vegetation Strata:
	. 0	LJ.	0.0%		Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in.
50% of Total Cover: 26 20% of Total Cover: 10.4	52	= To	tal Cove		(7.6 cm) or larger in diameter at breast height (DBH).
lerb Stratum (Plot size: 30 m)					
Woodwardia virginica	10	V	27.8%	OBL	Sapling - Woody plants, excluding woody vines,
2. Woodwardia areolata	-	V	27.8%	OBL	approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
3. Arundinaria tecta	8	V	22.2%	FACW	
, Hypericum cistifolium	_		13.9%	FACW	Sapling/Shrub - Woody plants, excluding vines, less
, Dichanthelium scabriusculum	3	П	8.3%	OBL	than 3 in. DBH and greater than 3.28 ft (1m) tall.
	0		0.0%	ODL	
* · · · · · · · · · · · · · · · · · · ·		H	0.0%		Shrub - Woody plants, excluding woody vines,
The second secon					approximately 3 to 20 ft (1 to 6 m) in height.
c		Η.	0.0%		Herb - All herbaceous (non-woody) plants, including
Mariana sa	0	H	0.0%		herbaceous vines, regardless of size, and woody
,			0.0%		plants, except woody vines, less than approximately
Ç			0.0%		3 ft (1 m) in height.
	0	□,	0.0%	-	Minaka da Allaga da
50% of Total Cover: 18 20% of Total Cover: 7.2	36	= To	tal Cover		Woody vine - All woody vines, regardless of height.
Voody Vine Stratum (Plot size:)				ĺ	
	0		0.0%		
	W W.	\Box	0.0%	011-11-0	
	-	\Box	0.0%		
	•	7	0.0%		
}		H		COSC VANCO CONTRACT	Hydrophytic
		1 1	0.0%		
	0	-	tal Cover		Vegetation Present? Yes No

SOIL					Sampling	g Point: Wet - 8	
Profile Desci	ription: (Describe to	the depth	needed to document the indicator or confirm	m the absen	nce of indicators.)	···································	
Depth	Matrix		Redox Features		_		
(inches)	Color (moist)	%	1	Loc2	Texture	Remarks	
0-7	10YR 2/1	90		Cla	y Loam		
7-16	10YR 4/1	80	10YR 3/1 20				
							_
							
¹ Type: C=Con	centration. D=Depletion	. RM=Red	uced Matrix, CS=Covered or Coated Sand Grains	² Location:	PL=Pore Lining. M=Ma	atrix	
Hydric Soil I	Indicators:			I	ndicators for Proble	ematic Hydric Soils ³ :	
Histosol (A1)		Polyvalue Below Surface (S8) (LRR S, T,		1 cm Muck (A9) (L	<u>-</u>	
Histic Epip	pedon (A2)		☐ Thin Dark Surface (S9) (LRR S, T, U)		2 cm Muck (A10) (-	
☐ Black Hist	ic (A3)		Loamy Mucky Mineral (F1) (LRR O)	,		L8) (outside MLRA 150A,B)	
Hydrogen	Sulfide (A4)		Loamy Gleyed Matrix (F2)		_		
	Layers (A5)		Depleted Matrix (F3)	L	_	in Soils (F19) (LRR P, S, T)	
	odies (A6) (LRR P, T, U)	Redox Dark Surface (F6)	L		Loamy Soils (F20) (MLRA 153B)	
	ky Mineral (A7) (LRR P,	•	Depleted Dark Surface (F7)	L	Red Parent Materia	* *	
	sence (A8) (LRR U)	1,0,	_ ' ' '	L	Very Shallow Dark	• •	
_	* (A9) (LRR P, T)		Redox Depressions (F8)	L	_ Other (Explain in R	lemarks)	
		43	☐ Marl (F10) (LRR U)				
	Below Dark Surface (A1	1)	Depleted Ochric (F11) (MLRA 151)				
	k Surface (A12)		☐ Iron-Manganese Masses (F12) (LRR O, P	P, T)			
	irie Redox (A16) (MLRA		Umbric Surface (F13) (LRR P, T, U)				
_	ck Mineral (S1) (LRR O,	S)	Delta Ochric (F17) (MLRA 151)		3	er i i i i i i i i i i i i i i i i i i i	
Sandy Gle	yed Matrix (S4)		Reduced Vertic (F18) (MLRA 150A, 150B	3)	Indicators of wetland hy	f hydrophytic vegetation and /drology must be present,	
Sandy Red	dox (S5)		Piedmont Floodplain Soils (F19) (MLRA 1-	149A)		disturbed or problematic.	
Stripped N	Matrix (S6)		Anomalous Bright Loamy Soils (F20) (ML	LRA 149A, 15	3C, 153D)		
Dark Surfa	ace (S7) (LRR P, S, T, U)					
			· · · · · · · · · · · · · · · · · · ·				
Restrictive La	ayer (if observed):						
Туре:					4-1- C-11 D12	v @ v O	
Depth (inch	nes):			Нус	dric Soil Present?	Yes No O	
Remarks:							
							- 1

Project/Site: NASA - Stennis; 1,100 Acre Wetland Delineation	City/County: Waveland - Hancock Sampling Date: 11-Oct-16					
Applicant/Owner: NASA	State: MS	Sampling Point: Wet - 9				
Investigator(s): Lars Larson, Randy Ellis	Section, Township, Ran	nge: 5 28 T 7 s	R 16 W			
Landform (hillslope, terrace, etc.):	Local relief (concave, con	nvex, none): Slope:	0.0 % / 0.0°			
Subregion (LRR or MLRA): LRR T Lat.:	30° 24' 29.150" N	Long.: 89° 36′ 46.346″ W	Datum: NADB3			
Soil Map Unit Name: HIB, Harleston fine sandy loam, 2 to 5 percent sl	1	NWI classification: PFC				
Are climatic/hydrologic conditions on the site typical for this time of ye						
		(2.11.)	res ● No ○			
		to mai di dallocationo pi docini				
Are Vegetation . , Soil . , or Hydrology . naturally	problematic? (If nee	eded, explain any answers in Remark	s.)			
SUMMARY OF FINDINGS - Attach site map showing sa	mpling point location	ns, transects, important feat	ures, etc.			
Hydrophytic Vegetation Present? Yes No No	Is the Sampled A	Area				
Hydric Soil Present? Yes No	within a Wetland	da Yes ◉ No ○				
Wetland Hydrology Present? Yes ● No ○	Within a Wedand					
Remarks:						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (minimum o	of 2 required)			
Primary Indicators (minimum of one required; check all that apply)	10.					
Surface Water (A1) Aquatic Fauna (B:	Sparsely Vegetated Concave S	Surface (B8)				
High Water Table (A2) Mari Deposits (B1	✓ Drainage Patterns (B10)					
Saturation (A3) Hydrogen Sulfide		Moss Trim Lines (B16)				
	neres along Living Roots (C3)	☐ Dry Season Water Table (C2)				
Sediment Deposits (B2) Presence of Redu		✓ Crayfish Burrows (C8)				
. , ,	ction in Tilled Soils (C6)	Saturation Visible on Aerial Im	nagery (C9)			
Algal Mat or Crust (B4) Thin Muck Surface	• •	Geomorphic Position (D2)				
☐ Iron Deposits (B5) ☐ Other (Explain in	Remarks)	_				
Inundation Visible on Aerial Imagery (B7)		FAC-Neutral Test (D5)				
Water-Stained Leaves (B9)		Sphagnum moss (D8) (LRR T,	, U)			
Field Observations: Surface Water Present? Yes No Depth (inches):						
	Wetland	nd Hydrology Present? Yes 💿	No O			
Saturation Present? Yes No Depth (inches):						
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), i	if available:				
Remarks:		<u></u>				
I						

VEGETATION (Five/Four Strata) - Use scientific names of plants.

Dominant
Species?

er	12.5% 0.0% 0.0% 0.0% 0.0% 0.0% 44.4% 33.3%	FACW FACW FACW FACW FACW FACW FACW	Number of Dominant Species That are OBL, FACW, or FAC: 10 (A) Total Number of Dominant Species Across All Strata: 11 (B) Percent of dominant Species That Are OBL, FACW, or FAC: 90.9% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 52 x 1 = 52 FACW species 115 x 2 = 230 FAC species 26 x 3 = 78 FACU species 5 x 4 = 20		
	25.0% 12.5% 0.0% 0.0% 0.0% 0.0% 0.0% 0.44.4% 33.3% 22.2% 0.0%	FACW FAC	Total Number of Dominant Species Across All Strata: 11 (B) Percent of dominant Species That Are OBL, FACW, or FAC: 90.9% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 52 x 1 = 52 FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
= To	12.5% 0.0% 0.0% 0.0% 0.0% 0.0% 0.0% 2.2% 0.0%	FACW FACW	Species Across All Strata: 11 (B) Percent of dominant Species That Are OBL, FACW, or FAC: 90.9% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 52 x 1 = 52 FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
= To	0.0% 0.0% 0.0% 0.0% 0.0% 44.4% 33.3% 22.2% 0.0%	FACW	Species Across All Strata: 11 (B) Percent of dominant Species That Are OBL, FACW, or FAC: 90.9% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 52 x 1 = 52 FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
= To	0.0% 0.0% 0.0% 0.0% 44.4% 33.3% 22.2% 0.0%	FACW FACW	That Are OBL, FACW, or FAC: 90.9% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 52 x 1 = 52 FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
= To	0.0% 0.0% 0.0% otal Cove 44.4% 33.3% 22.2% 0.0%	FACW FACW	That Are OBL, FACW, or FAC: 90.9% (A/B) Prevalence Index worksheet:		
V	0.0% 0.0% otal Cove 44.4% 33.3% 22.2% 0.0%	FACW FACW	Prevalence Index worksheet: Total % Cover of: Multiply by OBL species 52 x 1 = 52 FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
V	0.0% otal Cove 44.4% 33.3% 22.2% 0.0%	FACW FACW	Total % Cover of: Multiply by: OBL species 52 x 1 = 52 FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
V	44.4% 33.3% 22.2% 0.0%	FACW FACW	OBL species 52 x 1 = 52 FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
V	44.4% 33.3% 22.2% 0.0%	FACW FACW	FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
V	33.3% 22.2% 0.0%	FACW	FACW species 115 x 2 = 230 FAC species 26 x 3 = 78		
V	33.3% 22.2% 0.0%	FACW	FAC species 26 x 3 = 78		
V	33.3% 22.2% 0.0%	FACW			
	22.2% 0.0%		FACU species 2 x 4 = 20		
	0.0%	FAC .	0		
			UPL species $0 \times 5 = 0$		
	0.0%		Column Totals: 198 (A) 380 (B)		
			Prevalence Index = B/A = 1.919		
	0.0%				
	0.0%		Hydrophytic Vegetation Indicators:		
	0.0%		1 - Rapid Test for Hydrophytic Vegetation		
45 = Total Cover			✓ 2 - Dominance Test is > 50%		
			✓ 3 - Prevalence Index is ≤3.0 ¹		
	40 504	54.004			
	_		Problematic Hydrophytic Vegetation 1 (Explain)		
~	21.7%	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
	2.2%	FAC	be present united alexarsed or prosecution		
	0.0%		Definition of Vegetation Strata:		
0.0%			Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).		
16 = Total Cover		•			
V	87.7%	OBI	Sapling - Woody plants, excluding woody vines,		
			approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.		
			than 3 in. (7.3 din) DDI i.		
H		OBL	Sapling/Shrub - Woody plants, excluding vines, less		
H			than 3 in. DBH and greater than 3.28 ft (1m) tall.		
<u> </u>			•		
<u> </u>	-		Shrub - Woody plants, excluding woody vines,		
Щ,	0.0%		approximately 3 to 20 ft (1 to 6 m) in height.		
\sqcup	0.0%	4.			
	0.0%		Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody		
	0.0%		plants, except woody vines, less than approximately		
	0.0%		3 ft (1 m) in height.		
	0.0%	*			
0 0.0% 57 = Total Cover			Woody vine - All woody vines, regardless of height.		
V	50.0%	FACW			
		17100			
			Hydrophytic		
Ц,	0.0%		Vegetation V		
= To	tal Cover		Present? Yes No U		
		21.7%			

									Samp		
ofile Desci	ription: (Des	cribe to	the depth	needed to	iocument	the indic	ator or co	nfirm the a	absence of indicators.)	
Depth		Matrix	W - 1 - 1 A. A			dox Featu				L V	
(inches) 0-5	Color (r		% 90		moist)	10	Type 1	_Loc2	Texture	Remarks	
	10YR	3/1	,	10YR	2/1	10			=		
5-18	10YR	3/2	80	10YR	2/1	20					
					-					1. 1111	
					_		_		-		
					-	4 C 1					
										The state of the s	
pe: C=Con	centration. D=	=Depletio	n. R M=Red u	iced Matrix, (S=Covere	d or Coate	d Sand Grai	ins ^z Locati	ion: PL=Pore Lining. Ma	=Matrix	
rdric Soil I	indicators:					•			Indicators for Pro	blematic Hydric Soils ³ :	
Histosol (-			Pol	value Bek	w Surface	(S8) (LRR S	ŝ, T, U)	1 cm Muck (A9)) (LRR 0)	
Histic Epip	oedon (A2)			☐ Thi	n Dark Sur	ace (S9) (LRR S, T, U)			2 cm Muck (A10) (LRR S)		
Black Hist				Loa	my Mucky	Mineral (F	1) (LRR O)		Reduced Vertic (F18) (outside MLRA 150A,B)		
	Sulfide (A4)			Loa	my Gleyed	Matrix (F2	2)		Piedmont Flood	plain Soils (F19) (LRR P, S, T)	
Stratified Layers (A5) Depleted Matrix (F3				ix (F3)			Anomalous Brig	ht Loamy Soils (F20) (MLRA 153E			
Organic Bodies (A6) (LRR P, T, U)				urface (F6)			Red Parent Mat	erial (TF2)			
5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark			• •			Very Shallow Dark Surface (TF12)					
Muck Presence (A8) (LRR U) Redox Depression			sions (F8)			Other (Explain i	n Remarks)				
1 cm Muc	k (A9) (LRR P	, T)		Mai	! (F10) (LF	R U)			_ , ,	ŕ	
	Below Dark Su	•	i 1)	Dep	leted Och	ic (F11) (M	ILRA 151)				
-	k Surface (A12	-			_		(F12) (LRR	O, P, T)			
1	rie Redox (A1		_	L Um	bric Surfac	e (F13) (LF	RR P, T, U)				
_	ck Mineral (S1		, S)	Deli	a Ochric (i	F17) (MLR/	4 151)		3 _{Tradicator}	s of hydrophytic vegetation and	
	yed Matrix (S	4)		☐ Red	uced Verti	c (F18) (M	LRA 150A, :	150B)	wettano	f hydrology must be present,	
Sandy Rec							s (F19) (ML			ss disturbed or problematic.	
Stripped N				And	malous Br	ight Loamy	Soils (F20)	(MLRA 149)	A, 153C, 153D)		
Dark Surfa	ace (S7) (LRR	P, S, T, U	<i>I</i>)								
	ayer (If obse	rved):									
Type:						-			Hydric Soil Present	Ves (No (
	nes):					-				IES © NU C	
estrictive La	ace (S7) (LRR ayer (If observes):)						Hydric Soil Present:	Yes [®] No [©]	

Project/Site: NASA - Stennis; 1,100 Acre Wetland Delineation City/County: W	/aveland - Hancock Sampling Date: 12-Oct-16				
Applicant/Owner: NASA St	ate: MS Sampling Point: Wet -10				
Investigator(s): Lars Larson, Randy Ellis Section, Towns	hip, Range: S 31 T 7 _S R 16 W				
Landform (hillslope, terrace, etc.): Swale Local relief (cond	cave, convex, none): concave Slope: 2.0 % / 1.1°				
Subregion (LRR or MLRA): LRR T Lat.: 30° 24′ 8.987" N	Long.: 89° 37' 35.144" W Datum: NAD83				
Soil Map Unit Name: At, Atmore silt loam, 0 to 2 percent slopes	NWI classification: PFO 1/4 C				
Are climatic/hydrologic conditions on the site typical for this time of year?	No (If no, explain in Remarks.)				
Are Vegetation . , Soil . , or Hydrology . significantly disturbed?	Are "Normal Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS - Attach site map showing sampling point I					
Hydrophytic Vegetation Present? Yes No O					
Hydric Soil Present? Yes No O	ampled Area Yes No				
Wetland Hydrology Present? Yes No O	Wetland? Tes © NO C				
Remarks: Natural drain to ephemeral stream approximatly 30-40 feet west of access path.					
HYDROLOGY	. <u></u>				
Wetland Hydrology Indicators:	Secondary Indicators (minimum of 2 required)				
Primary Indicators (minimum of one required; check all that apply)					
Surface Water (A1) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2) Marl Deposits (B15) (LRR U) Marl Deposits (B15) (LRR U)	✓ Drainage Patterns (B10)				
✓ Saturation (A3)					
Sediment Deposits (B2) Presence of Reduced Iron (C4)					
Sediment Deposits (B2) Presence of Reduced Iron (C4) Crayfish Burrows (C8) Recent Iron Reduction in Tilled Soils (C6) Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Thin Muck Surface (C7)	Geomorphic Position (D2)				
☐ Iron Deposits (B5) ☐ Other (Explain in Remarks)	Shallow Aguitard (D3)				
☐ Inundation Visible on Aerial Imagery (B7)	FAC-Neutral Test (D5)				
☐ Water-Stained Leaves (B9)	Sphagnum moss (D8) (LRR T, U)				
Field Observations:					
Surface Water Present? Yes No Depth (inches):					
Water Table Present? Yes ○ No ④ Depth (inches):					
Saturation Present? (includes capillary fringe) Yes No Depth (inches): 9	Wetland Hydrology Present? Yes ⊙ No ○				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspec	ctions), if available:				
best libe recorded but (of carring grays, montening train, delital pricted, previous inspec	Storiety ii availabioi				
Remarks:					
	92				
	"				