U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region
See ERDC/EL TR-10-20; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site:				City/County	<i>r</i> :		_Sampling Date:
Applicant/Owner:						State:	Sampling Point:
Investigator(s):			Se	ection, Townsh	nip, Range:		
Landform (hillside, terrace, et						none):	Slope (%):
Subregion (LRR or MLRA):							
Soil Map Unit Name:						NWI classificat	
	litiana on the cite	taminal for th	his time of year?				·
Are climatic / hydrologic cond					Yes	<u></u>	explain in Remarks.)
Are Vegetation, Soil							? Yes No
Are Vegetation, Soil	, or Hydrol	logyr	naturally problem	natic? (If	needed, exp	plain any answers in Re	emarks.)
SUMMARY OF FINDIN	IGS – Attach	site map	showing sa	mpling po	int locati	ons, transects, in	nportant features, etc.
Hydrophytic Vegetation Pres	sent?	Yes	No X	Is the Sam	pled Area		
Hydric Soil Present?		Yes	No X	within a We		Yes	No_X_
Wetland Hydrology Present	?	Yes	No X				
Remarks:							
HYDROLOGY							
Wetland Hydrology Indica						•	(minimum of two required)
Primary Indicators (minimun	n of one is require		,			Surface Soil Cracl	` '
Surface Water (A1)			c Fauna (B13)				ed Concave Surface (B8)
High Water Table (A2)			eposits (B15) (Li			Drainage Patterns	` ,
Saturation (A3) Water Marks (B1)			gen Sulfide Odor		oto (C2)	Moss Trim Lines (,
Water Marks (B1) Sediment Deposits (B2)	١		ed Rhizospheres nce of Reduced I		JIS (CS)	Dry-Season Wate Crayfish Burrows	` '
Drift Deposits (B3)	I .		t Iron Reduction		(C6)		on Aerial Imagery (C9)
Algal Mat or Crust (B4)			luck Surface (C7		(00)	Geomorphic Posit	
Iron Deposits (B5)			(Explain in Rema	•		Shallow Aquitard (
Inundation Visible on Ae	erial Imagery (B7			,		FAC-Neutral Test	
Water-Stained Leaves (,				Sphagnum Moss ((D8) (LRR T, U)
Field Observations:						_	
Surface Water Present?	Yes	No		s):			
Water Table Present?	Yes	No	Depth (inches				
Saturation Present?	Yes	No	Depth (inches	;):	Wetland	Hydrology Present?	Yes No_X_
(includes capillary fringe)							_
Describe Recorded Data (st	ream gauge, moi	nitoring well,	, aerial photos, p	revious inspec	ctions), if av	ailable:	
Remarks:							

VEGETATION (F	Five Strata) –	Use scientific	names of	plants.
---------------	----------------	----------------	----------	---------

/EGETATION (Five Strata) – Use scien	Absolute Dominant Indicate	Sampling Point:or
Tree Stratum (Plot size:)	% Cover Species? Status	Dominance Test worksheet:
1.	·	Number of Dominant Species
2	·	That Are OBL, FACW, or FAC:(A)
3.		Total Number of Dominant
4		(B)
5		Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
	=Total Cover	Prevalence Index worksheet:
50% of total cover:	20% of total cover:	Total % Cover of: Multiply by:
Sapling Stratum (Plot size:)		OBL species x 1 =
1	·	FACW species x 2 =
2	·	FAC species x 3 =
3	- <u></u>	FACU species x 4 =
4	- <u></u>	UPL species x 5 =
5	- <u></u>	Column Totals:(A)(B)
6	·	Prevalence Index = B/A =
	=Total Cover	Hydrophytic Vegetation Indicators:
50% of total cover:	20% of total cover:	1 - Rapid Test for Hydrophytic Vegetation
Shrub Stratum (Plot size:)		2 - Dominance Test is >50%
1	- <u></u>	3 - Prevalence Index is ≤3.0¹
2		Problematic Hydrophytic Vegetation¹ (Explain)
3		_
4	· —— —— ——	
5		Indicators of hydric soil and wetland hydrology must be
6	·	present, unless disturbed or problematic.
	=Total Cover	Definitions of Five Vegetation Strata:
50% of total cover:	20% of total cover:	Tree – Woody plants, excluding woody vines,
Herb Stratum (Plot size:)		approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
1.		_ `
2.		Sapling – Woody plants, excluding woody vines,
3.		approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
4.		_
5.	·	Shrub - Woody Plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
6.		— · · · · · · · · · · · · · · · · · ·
7		Herb – All herbaceous (non-woody) plants, including
8		herbaceous vines, regardless of size, <u>and</u> woody plants except woody vines, less than approximately 3 ft (1 m)
9.		— in height.
10.		Woody Vine – All woody vines, regardless of height.
11	=Total Cover	
50% of total cover:		
Woody Vine Stratum (Plot size:)	20% of total cover.	—
2		—
3		—
A		—
5.		—
··	=Total Cover	
50% of total cover:	20% of total cover:	Vegetation Present? Yes No X

Remarks: (If observed, list morphological adaptations below.)

/EGETATION	l (Four	Strata) -	- Use	scientific	names	of plants	3.
/EGETATION	(Four	Strata) -	- use	scientific	names	or plants	Š.

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1 2				Number of Dominant Species That Are OBL, FACW, or FAC:	(A)
3 1				Total Number of Dominant Species Across All Strata:	(B)
5 5				Percent of Dominant Species That Are OBL, FACW, or FAC:	(A/B
7				Prevalence Index worksheet:	
3				Total % Cover of:	Multiply by:
	:	=Total Cover		OBL species >	(1=
50% of total cover:	20%	of total cover:		FACW species>	2 =
Sapling/Shrub Stratum (Plot size:					(3=
1.					(4 =
2.					
3.				Column Totals: (A)	
<i></i>				Prevalence Index = B/A =	
				Hydrophytic Vegetation Indica	
6			•	1 - Rapid Test for Hydrophyl	
7				2 - Dominance Test is >50%	· ·
7 8.				3 - Prevalence Index is ≤3.0	
o		=Total Cover		Problematic Hydrophytic Ve	
50% of total cover:	/114/0				
1				¹ Indicators of hydric soil and wet present, unless disturbed or prob	
Herb Stratum (Plot size:) 1 2					olematic.
Herb Stratum (Plot size:)	_			present, unless disturbed or prob	olematic. Strata:
Herb Stratum (Plot size:) 1 2 3 4.				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh	olematic. Strata: vines, 3 in. (7.6 cm) o
Herb Stratum (Plot size:) 1 2 3 4 5				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding	olematic. Strata: vines, 3 in. (7.6 cm) o
Herb Stratum (Plot size:) 1 2 3 4 5 6.				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height.	olematic. Strata: vines, 3 in. (7.6 cm) of t (DBH), regardless of
Herb Stratum (Plot size:) 1 2 3 4 5 6 7				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants,	Strata: vines, 3 in. (7.6 cm) of t (DBH), regardless of excluding vines, less
Herb Stratum (Plot size:) 1 2 3 4 5 6 7 8				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height.	Strata: vines, 3 in. (7.6 cm) of t (DBH), regardless of excluding vines, less
Herb Stratum (Plot size:) 1 2 3 4 5 6 7 8 9				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants,	Strata: vines, 3 in. (7.6 cm) o t (DBH), regardless o excluding vines, less
Herb Stratum (Plot size:) 1				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood)	olematic. Strata: vines, 3 in. (7.6 cm) of t (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall.
Herb Stratum (Plot size:) 1				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than	olematic. Strata: vines, 3 in. (7.6 cm) of t (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall.
Herb Stratum (Plot size:) 1				present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less the	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:) 1		=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood)	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:) 1		=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less the woody Vine – All woody vines of size)	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:)	20%	=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less the woody Vine – All woody vines of size)	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:)	20%	=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less the woody Vine – All woody vines of size)	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:)	20%	=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less the woody Vine – All woody vines of size)	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:)	20%	=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less the woody Vine – All woody vines of size)	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:)	20%	=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less the woody Vine – All woody vines of size)	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:) 1.	20%	=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood fize, and woody plants less the woody Vine – All woody vines gheight.	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.
Herb Stratum (Plot size:)	20%	=Total Cover		present, unless disturbed or prob Definitions of Four Vegetation Tree – Woody plants, excluding more in diameter at breast heigh height. Sapling/Shrub – Woody plants, than 3 in. DBH and greater than Herb – All herbaceous (non-wood of size, and woody plants less the woody Vine – All woody vines of size)	olematic. Strata: vines, 3 in. (7.6 cm) of the (DBH), regardless of excluding vines, less 3.28 ft (1 m) tall. ody) plants, regardless an 3.28 ft tall.

ENG FORM 6116-2, JUL 2018

SOIL Sampling Point:

cation: PL=Pore Lining, M=Matrix. icators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) Black Histic (A3) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Stratified Layers (A5) Loamy Gleyed Matrix (F2) *Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	(inches) Color (moist) % Type¹ Loc² Texture Remarks
cation: PL=Pore Lining, M=Matrix. icators for Problematic Hydric Soils³: 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Litype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Histosol (A1) Histosol (A2) Barrier Islands 1 cm Muck (S12) Black Histic (A3) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Loamin Service (Sand Grains. Licoation: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
cators for Problematic Hydric Soils ³ : 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)Indicators for Problematic Hydric Soils3:_ Histosol (A1)Thin Dark Surface (S9) (LRR S, T, U)1 cm Muck (A9) (LRR O)_ Histic Epipedon (A2)Barrier Islands 1 cm Muck (S12)2 cm Muck (A10) (LRR S)_ Black Histic (A3)(MLRA 153B, 153D)Coast Prairie Redox (A16) (MLRA 149A)_ Hydrogen Sulfide (A4)Loamy Mucky Mineral (F1) (LRR O)Reduced Vertic (F18)_ Stratified Layers (A5)Loamy Gleyed Matrix (F2)(outside MLRA 150A, 150B)	
1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Histosol (A1) Histosol (A2) Barrier Islands 1 cm Muck (S12) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Thin Dark Surface (S9) (LRR S, T, U) Barrier Islands 1 cm Muck (S12) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	· · · · · · · · · · · · · · · · · · ·
2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Loamy Mucky Mineral (F1) (LRR O) Loamy Gleyed Matrix (F2) Cast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	
Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B)	
Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR O) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O)
(outside MLRA 150A, 150B)	Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) 2 cm Muck (A10) (LRR S)
	<u> </u>	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2)
		Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Thin Dark Surface (S9) (LRR S, T, U) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18)
	<u> </u>	Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Thin Dark Surface (S9) (LRR S, T, U) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)
•	5 cm Mucky Mineral (A7) (LRR P, 1, U) Redox Dark Surface (F6) Anomalous Bright Floodplain Soils (F20)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (LRR P, T)
	Marsh December (AO) (LDD II)	Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Loamy Mucky Mineral (F1) (LRR O) Loamy Mucky Mineral (F1) (LRR O) Depleted Matrix (F2) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (LRR P, T) Anomalous Bright Floodplain Soils (F20)
·	Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) (MLRA 153B)	Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) St cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) Thin Dark Surface (S9) (LRR S, T, U) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (LRR P, T) Anomalous Bright Floodplain Soils (F20) (MLRA 153B)
• • • • • • • • • • • • • • • • • • • •	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21)	Histosol (A1) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR S, T, U) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (LRR P, T) Anomalous Bright Floodplain Soils (F20) (MLRA 153B) Redox Depressions (F8) Red Parent Material (F21)
	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22)	Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) St cm Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR U) Depleted Below Dark Surface (A11) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (LRR P, T) Anomalous Bright Floodplain Soils (F20) (MLRA 153B) Red Parent Material (F21) Very Shallow Dark Surface (F22)
	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154)	Histosol (A1) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Sc m Mucky Mineral (A7) (LRR P, T, U) Muck Presence (A8) (LRR P, T) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR S, T, U) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (LRR P, T) Anomalous Bright Floodplain Soils (F20) (MLRA 153B) Red Parent Material (F21) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154)
(MLRA 153B, 153D)	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7)	Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) 5 cm Muck (A9) (LRR P, T, U) Muck Presence (A8) (LRR U) 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (LRR P, T) Anomalous Bright Floodplain Soils (F20) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) Marl (F10) (LRR U) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Depleted Ochric (F11) (MLRA 151) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7)
• •	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D)	Histosol (A1) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Stem Muck (A9) (LRR P, T, U) Depleted Matrix (F3) Tom Muck (A9) (LRR P, T, U) Depleted Dark Surface (F6) Muck Presence (A8) (LRR U) Depleted Below Dark Surface (A11) Thin Dark Surface (A12) Coast Prairie Redox (A16) (LRR P, T, U) Anomalous Bright Floodplain Soils (F20) (MLRA 153B) Red Parent Material (F21) Very Shallow Dark Surface (F22) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) (MLRA 153B, 153D)
Other (Explain in Remarks)	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) 2 cm Muck (A10) (LRR S) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (LRR P, T) 5 cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) Anomalous Bright Floodplain Soils (F20) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) (MLRA 151) Deta Ochric (F17) (MLRA 151) Other (Explain in Remarks)
• •	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) 2 cm Muck (A10) (LRR S) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (LRR P, T) 5 cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) Anomalous Bright Floodplain Soils (F20) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F18) (MLRA 150A, 150B)
• •	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) 2 cm Muck (A10) (LRR S) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (LRR P, T) 5 cm Mucky Mineral (A7) (LRR P, T, U) Depleted Dark Surface (F6) Anomalous Bright Floodplain Soils (F20) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A)
Other (Explain in Remarks)	1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) 2 cm Muck (A10) (LRR S) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (LRR P, T) 5 cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) Anomalous Bright Floodplain Soils (F20) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F20)
Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and	1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Polyvalue Below Surface (S8) Redox Depressions (F8) Marl (F10) (LRR U) Narl (F10) (LRR U) Very Shallow Dark Surface (F22) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) (MLRA 153B, 153D) Other (Explain in Remarks) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Floodplain Soils (F20) Marl (F10) (LRR P, T, U) Very Shallow Dark Surface (F22) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) (MLRA 153B, 153D) Other (Explain in Remarks)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) 2 cm Muck (A10) (LRR S) 4 (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B) Piedmont Floodplain Soils (F20) (MLRA 153B) Red Parent Material (F21) (LRR O) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR O, P, T) (MLRA 150A) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A, 153C, 153D) Piedmont Floodplain on the Muck (A9) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) (MLRA 153B) Anomalous Bright Floodplain Soils (F20) (MLRA 153B) Red Parent Material (F21) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Sandy Mucky Mineral (S1) (LRR O, S) Piedmont Floodplain Soils (F19) (MLRA 150A) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A) (MLRA 150A) Siripped Matrix (S6) Piedmont Floodplain Soils (F20) (MLRA 149A) (MLRA 149A, 153C, 153D) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Plodicators of hydrophytic vegetation and
Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present,	1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Redox Depressions (F8) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Very Shallow Dark Surface (F22) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) (MLRA 153B, 153D) Other (Explain in Remarks) Other (Explain in Remarks) Anomalous Bright Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Jark Surface (S8) (MLRA 149A, 153C, 153D) Very Shallow Dark Surface (F22) wetland hydrology must be present,	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) 2 cm Muck (A10) (LRR S) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (LRR P, T) S cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) Anomalous Bright Floodplain Soils (F20) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Very Shallow Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B), Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) 3Indicators of hydrophytic vegetation and wetland hydrology must be present,
Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and	1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Coast Prairie Redox (A16) (MLRA 150A) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Stripped Matrix (S6) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Polyvalue Below Surface (S8) (MLRA 138, 152A in FL, 154) Redox Depressions (F8) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) (MLRA 151) Barrier Islands Low Chroma Matrix (TS7) (MLRA 153B, 153D) Other (Explain in Remarks) Piedmont Floodplain Soils (F19) (MLRA 149A) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Very Shallow Dark Surface (F22) (MLRA 138, 152A in FL, 154) unless disturbed or problematic.	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) Barrier Islands 1 cm Muck (S12) 2 cm Muck (A10) (LRR S) Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B) Organic Bodies (A6) (LRR P, T, U) Depleted Matrix (F3) Piedmont Floodplain Soils (F19) (LRR P, T) 5 cm Mucky Mineral (A7) (LRR P, T, U) Redox Dark Surface (F6) Anomalous Bright Floodplain Soils (F20) Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) (MLRA 153B) 1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Sandy Mucky Mineral (S1) (LRR O, S) Delta Ochric (F17) (MLRA 151) (outside MLRA 133, 152A in FL, 154) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) (MLRA 149A, 153C, 153D) Anomalous Bright Ploodplain Soils (F20) (MLRA 138, 152A in FL, 154) wetland thydrology must be present, unless disturbed or problematic.
Other (Explain in Remarks) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present,	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed):	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR O) 2 cm Muck (A10) (LRR S) 2 cm Muck (A10) (LRR S) 3 cm Muck (A10) (LRR A153B, 153D) 2 coast Prairie Redox (A16) (MLRA 149A) 3 cm Muck (A10) (LRR C) 4 cm Muck (A10) (LRR C) 5 cm Mucky Mineral (A17) (LRR C, T, U) 4 cm Muck (A10) (LRR C, T, U) 4 cm Muck (A11) 4 cm Muck (A10) (LRR C, T, U) 4 cm Muck (A110) 4 cm Muck (A
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) (MLRA 149A, 153C, 153D) Very Shallow Dark Surface (F22) (mutation MLRA 138, 152A in FL, 154) Red Parent Material (F21) Very Shallow Dark Surface (F22) (mutation MLRA 138, 152A in FL, 154) Red Parent Material (F21) Very Shallow Dark Surface (F22) (mutation MLRA 138, 152A in FL, 154) Red Parent Material (F21) Very Shallow Dark Surface (F22) (mutation MLRA 138, 152A in FL, 154) Red Parent Material (F21) Very Shallow Dark Surface (F22) wetland hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) 2 cm Muck (A10) (LRR S) 2 cm Muck (A10) (LRR S) 3 elack Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) 4 educed Vertic (F18) 5 elack Histic (A3) (MLRA 149A) 4 educed Vertic (F18) 5 elack Histic (A3) (MLRA 149A) 4 educed Vertic (F18) 5 elack Histic (A3) (MLRA 149A) 4 educed Vertic (F18) 6 elack Histic (A3) (MLRA 149A) 4 educed Vertic (F18) 6 elack Histic (A3) (MLRA 149A) 4 educed Vertic (F18) 6 elack Histic (A3) (MLRA 150A, 150B) 6 elack Histic (A3) (MLRA 150A, 150B) 7 elack Muck Mineral (A7) (LRR P, T, U) 7 elack Dark Surface (F6) (Muck Presence (A8) (LRR U) (Muck Presence (A8) (LRR U) (Muck (A9) (LRR P, T) (MLRA 153B) 8 elack Histic (F2) (Muck (A9) (LRR P, T) (MLRA 150A) (MLRA 150A) 6 elack Mineral (F10) (LRR U) (Muck Mineral (F21) (Muck (A9) (LRR P, T) (Muck (A9) (LRR P, T, U)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) (LRR P, S, T, U) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) (MLRA 149A, 153C, 153D) Very Shallow Dark Surface (F22) (mutation MLRA 138, 152A in FL, 154) Red Parent Material (F21) Very Shallow Dark Surface (F22) (mutation MLRA 138, 152A in FL, 154) Red Parent Material (F21) Very Shallow Dark Surface (F22) (mutation MLRA 138, 152A in FL, 154) Red Parent Material (F21) Very Shallow Dark Surface (F22) (mutation MLRA 138, 152A in FL, 154) Red Parent Material (F21) Very Shallow Dark Surface (F22) wetland hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type:	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Other (Explain in Remarks) 3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	1 cm Muck (A9) (LRR P, T) Redox Depressions (F8) Red Parent Material (F21) Depleted Below Dark Surface (A11) Marl (F10) (LRR U) Very Shallow Dark Surface (F22) Thick Dark Surface (A12) Depleted Ochric (F11) (MLRA 151) (outside MLRA 138, 152A in FL, 154) Coast Prairie Redox (A16) (MLRA 150A) Iron-Manganese Masses (F12) (LRR O, P, T) Barrier Islands Low Chroma Matrix (TS7) Sandy Mucky Mineral (S1) (LRR O, S) Umbric Surface (F13) (LRR P, T, U) (MLRA 153B, 153D) Sandy Gleyed Matrix (S4) Delta Ochric (F17) (MLRA 151) Other (Explain in Remarks) Sandy Redox (S5) Reduced Vertic (F18) (MLRA 150A, 150B) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 149A) Dark Surface (S7) (LRR P, S, T, U) Anomalous Bright Floodplain Soils (F20) Polyvalue Below Surface (S8) (MLRA 149A, 153C, 153D) Indicators of hydrophytic vegetation and Very Shallow Dark Surface (F22) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No X	Histosol (A1)
Very Shallow Dark Surface (F22) (outside MLRA 138, 152A in FL, 15 Barrier Islands Low Chroma Matrix (TS	Muck Presence (A8) (LRR U) Depleted Dark Surface (F7) (MLRA 153B)	Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Organic Bodies (A6) (LRR P, T, U) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Loamy Mucky Mineral (F1) (LRR O) Loamy Mucky Mineral (F1) (LRR O) Depleted Matrix (F2) Thin Dark Surface (S9) (LRR S, T, U) (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149) Reduced Vertic (F18) (outside MLRA 150A, 150B) Piedmont Floodplain Soils (F19) (LRR O) Anomalous Bright Floodplain Soils (F20)
Diedmont Floodolain Soils (F10) (I RR D T)	Organic Rodies (A6) (I RR D. T. II) Depleted Matrix (E3) Piedmont Floodplain Soils (E10) (I RR D. T.)	Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Thin Dark Surface (S9) (LRR S, T, U) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18)
		Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2)
	<u> </u>	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2)
(outside MLRA 150A, 150B)	Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O) Histic Epipedon (A2) 2 cm Muck (A10) (LRR S)
Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR O) Loamy Gleyed Matrix (F2) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Histosol (A1) Thin Dark Surface (S9) (LRR S, T, U) 1 cm Muck (A9) (LRR O)
Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Black Histic (A3) (MLRA 153B, 153D) Coast Prairie Redox (A16) (MLRA 149A) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR O) Reduced Vertic (F18) Stratified Layers (A5) Loamy Gleyed Matrix (F2) (outside MLRA 150A, 150B)	
2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Loamy Mucky Mineral (F1) (LRR O) Loamy Gleyed Matrix (F2) Cast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	nyunc 3011 mulcators. (Applicable to all ERRS, unless otherwise noted.)
2 cm Muck (A10) (LRR S) Coast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D) Loamy Mucky Mineral (F1) (LRR O) Loamy Gleyed Matrix (F2) Cast Prairie Redox (A16) (MLRA 149A) Reduced Vertic (F18) (outside MLRA 150A, 150B)	Hydric Soil Indicators: (Applicable to all LDBs, unless otherwise noted.) Indicators for Problematic Hydric Soils ³ :

EGETATION CO	ontinued (Five Strata)			•	Sampling Point:
<u> Free Stratum</u>		Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Five Vegetation Strata:
'					Tree – Woody plants, excluding woody vines,
3					approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).
)					(7.0 cm) of larger in diameter at breast height (DBH).
LO					Sapling – Woody plants, excluding woody vines,
					approximately 20 ft (6 m) or more in height and less
					than 3 in. (7.6 cm) DBH.
			=Total Cover		Shrub - Woody Plants, excluding woody vines,
	50% of total cover:	20%	of total cover:		approximately 3 to 20 ft (1 to 6 m) in height.
Sapling Stratum					Herb – All herbaceous (non-woody) plants, including
'					herbaceous vines, regardless of size, and woody plant
					except woody vines, less than approximately 3 ft (1 m) in height.
					in neight.
					Woody Vine – All woody vines, regardless of height.
			=Total Cover		
	50% of total cover:				
Shrub Stratum			0. 1010. 0010		
-					
.2.					
	FOO/ of total agreem		=Total Cover		
Laula Chuatuura	50% of total cover:	20%	oi total cover:		
lerb Stratum					
3.					
.9					
21					
22					
		:	=Total Cover		
	50% of total cover:	20%	of total cover:		
Voody Vine Stratum					
S					
_					
•					
)		_			
.0					
			=Total Cover		

20% of total cover:

50% of total cover:

Remarks: (If observed, list morphological adaptations below.)

	Absolute Domir		
<u> Free Stratum</u>	% Cover Speci	es? Status	Definitions of Four Vegetation Strata:
).			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless
.0.			height.
11.			
12			Sapling/Shrub - Woody plants, excluding vines, less
13 14			than 3 in. DBH and greater than 3.28 ft (1 m) tall.
14 15			
16.			Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
	=Total C	over	of size, and woody plants less than 3.20 it tail.
50% of total cover:	20% of total of	cover:	Woody Vine – All woody vines greater than 3.28 ft ir
Sapling/Shrub Stratum			height.
9			
10.			
11.			
12.			
13			
14			
15			
16			
	=Total C		
50% of total cover:	20% of total o	cover:	
Herb Stratum			
13.			
14			
15			
16			
17 18			
18 19.			
19			
21.			
22.			
23.			
24.			
	=Total C	over	
50% of total cover:	20% of total of	cover:	
Woody Vine Stratum			
5			
7			
3			
9			
10			
	=Total C		
50% of total cover:	20% of total of	cover.	I .

ENG FORM 6116-2, JUL 2018

AGENCY DISCLOSURE NOTIFICATION

The public reporting burden for this collection of information, OMB Control Number 0710-0024, is estimated to average 30 minutes per response, including the timefor reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR REQUEST TO THE ABOVE EMAIL.

PRIVACY ACT STATEMENT

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned. System of Record Notice (SORN). The information received is entered into our permit tracking database and a SORN has been completed (SORN #A1145b) and may be accessed at the following website: http://dpcld.defense.gov/Privacy/SORNsIndex/DOD-wide-SORN-Article-View/Article/570115/a1145b-ce.aspx