

SPECIAL PUBLIC NOTICE

CHARLESTON DISTRICT REGULATORY UPDATE: PROGRAMMATIC EMPHASIS ON DA PERMIT APPLICATIONS

The purpose of this notice is to provide an update on the U.S. Army Corps of Engineers (Corps), Charleston District's Regulatory Program. Effective immediately, the Regulatory Division is refining its process to emphasize review of Department of the Army (DA) permit applications and requests associated with pending DA permit applications.

This process refinement will enable the Regulatory Division to direct greater resource emphasis toward its fundamental mission of regulating activities in the nation's waters and wetlands and provide the public with more efficient, timely service when reviewing DA permit applications for projects that propose impacts to waters of the United States. As a result, this refinement effort will also allow the Regulatory Division to more effectively support an anticipated increase in program volume from the Infrastructure Investment and Jobs Act and other national authorizations.

Preliminary and approved jurisdictional determinations (JDs), delineation concurrences and other documentation verified by the Regulatory Division are not prerequisites for submitting a DA permit application. These approvals and verifications are also not intended to be prerequisites for development approvals by state and local government(s). Due to the state of South Carolina's geography and broad expanse of aquatic resources in concert with an increase in development activity across the state of South Carolina, the Regulatory Division has seen a significant increase in the number of requests for JDs and delineation concurrences. For example, the Regulatory Division processed 1,800 standalone JD requests in Fiscal Year 2021, more than the 2.5 times the national average. Currently, the Regulatory Division is reviewing over 600 pending standalone JD requests, and on average, Regulatory Division project managers have 45-55 pending standalone JD requests at any given time.

The Regulatory Division is also aware of increasing mandates by state and local government entities to require Corps-verified delineations and/or JDs for activities and transactions unrelated to DA permit applications. The growing volume of these standalone requests is exacerbating the Regulatory Division's already heavy workload, ultimately delaying the Regulatory Division's ability to provide efficient reviews of DA permit applications. To facilitate better public service, encourage smart development and help preserve the nation's natural resources, and as part of this process refinement, the Regulatory Division will be continuing its work with state and local government entities to further inform them of the Regulatory Division's position on the unintended consequences of their requirements, which are impacting the Regulatory Division's ability to review and process DA permit applications and associated JDs as efficiently as possible.

Regulatory Division project managers consult the 1987 Army Corps of Engineers Wetland Delineation Manual and appropriate regional supplement(s) to delineate wetlands and waters for purposes of federal jurisdiction. Private sector environmental consultants who *properly* rely upon and apply these documents are generally equipped to provide accurate and expeditious

delineations to their clients when the Regulatory Division's review of a DA permit application is not immediately required. Over the past five years, and in accordance with Regulatory Guidance Letter No. 16-01 (link below), the Regulatory Division has routinely engaged the regulated community in response to standalone requests to discuss what level of verification, if any, is appropriate for the circumstances of a given standalone request. In many cases, the services of private sector environmental consultants may be sufficient to respond to state or local requirements in the absence of the Regulatory Division's review of a DA permit application. In furtherance of these efforts, the Regulatory Division strongly encourages members of the public seeking support not associated with a project requiring a DA permit application to leverage the robust community of environmental consultants in South Carolina in response to independent requirements of state and local government(s).

I. Charleston District Prioritization of Work: To serve the regulated community in the most effective and efficient manner possible, this process refinement will allow the Regulatory Division to direct greater resource emphasis toward its fundamental mission of regulating activities in the nation's waters and wetlands and provide the public with more efficient, timely service when reviewing DA permit applications for projects that propose impacts to waters of the United States. Effective immediately, the Charleston District Regulatory Division will prioritize incoming requests in the following order:

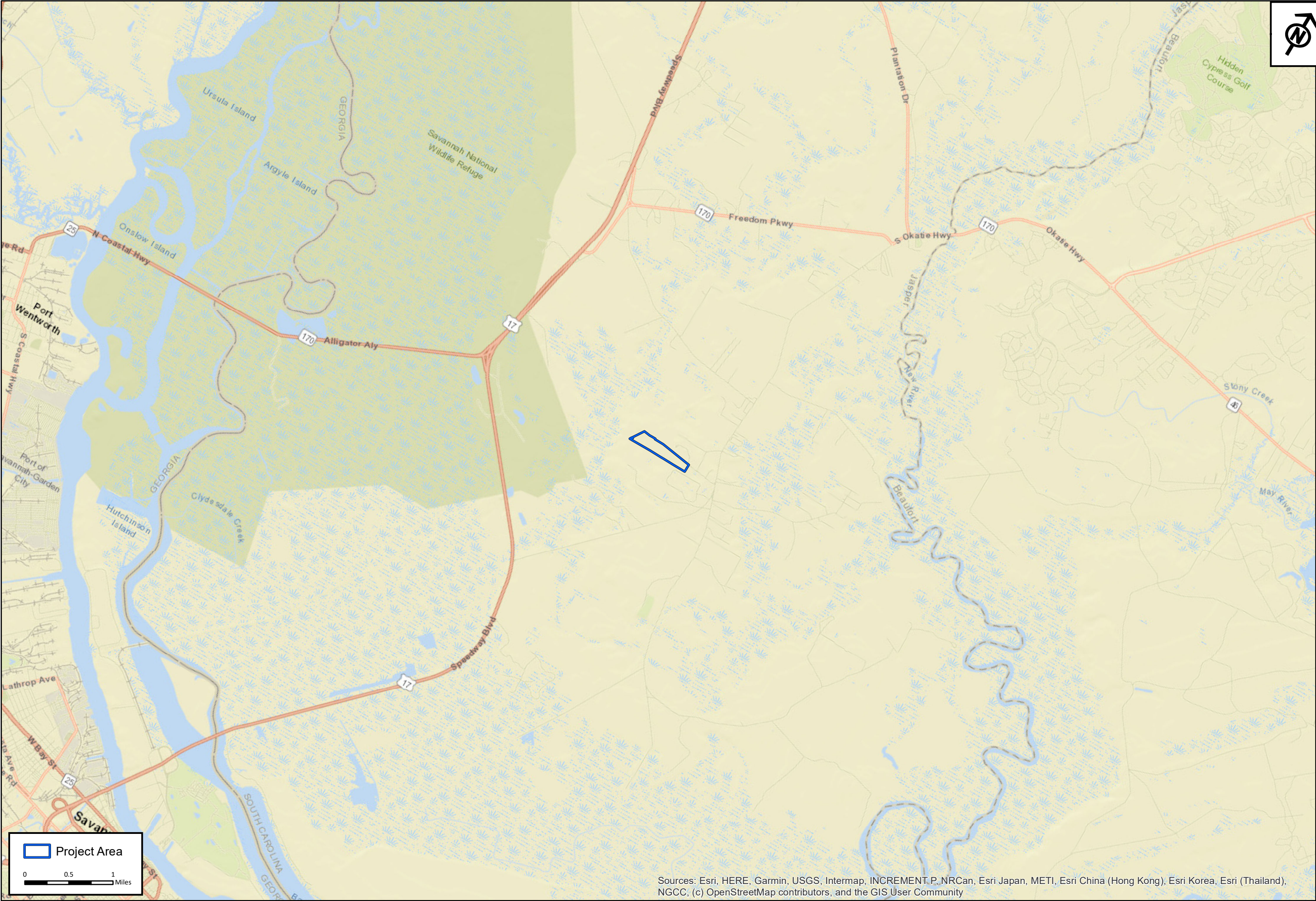
- 1. Review and processing of new DA permit applications (Standard Permits/Nationwide Permits/Regional General Permits).**
- 2. Modifications of existing DA Permits / DA Permit Transfers.**
- 3. JD Requests and/or Delineation Concurrences (DCs) Not Associated with a DA permit application (Standalone JDs/DCs) submitted with sufficient supporting information. (NOTE: Supporting information is identified within the ["Jurisdictional Determination \(JD\)/Delineation Request and Checklist"](#). See *Section III for information and prioritization of Standalone JDs/DCs***

II. Timeframes Associated with DA Permit Actions: Timeframes for processing DA permit applications are contingent upon the receipt of a complete application, as well as any supporting information that may be required to make a final decision on the DA permit application. In general, the Regulatory Division strives to review and process DA permit applications according to the following timelines:

- Standard Permits (120-365 days);
- Nationwide Permits (45-60 days); and
- Regional General Permits (60-90 days).

Deficiencies or delays by an applicant in providing sufficient supporting information will impact the Regulatory Division's ability to process DA permit applications as efficiently as possible. Project complexity, coordination/consultation requirements, and the applicant's ability to obtain requisite state authorizations also directly affect the Regulatory Division's timeframes for processing DA permit applications.

Over the next several months, Regulatory Division staff will make a concerted effort to review and complete all standalone JD and DC requests submitted prior to April 22, 2022, provided that the requests have sufficient documentation. Going forward, in-house wetland delineations conducted by the Regulatory Division (rather than the Regulatory Division's review of a



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

RLC Project No.:	21-078
Figure No.:	1
Prepared By:	JP
Sketch Date:	1/12/2022
Map Scale :	1 inch = 1 Mile

Florida Drive Tract

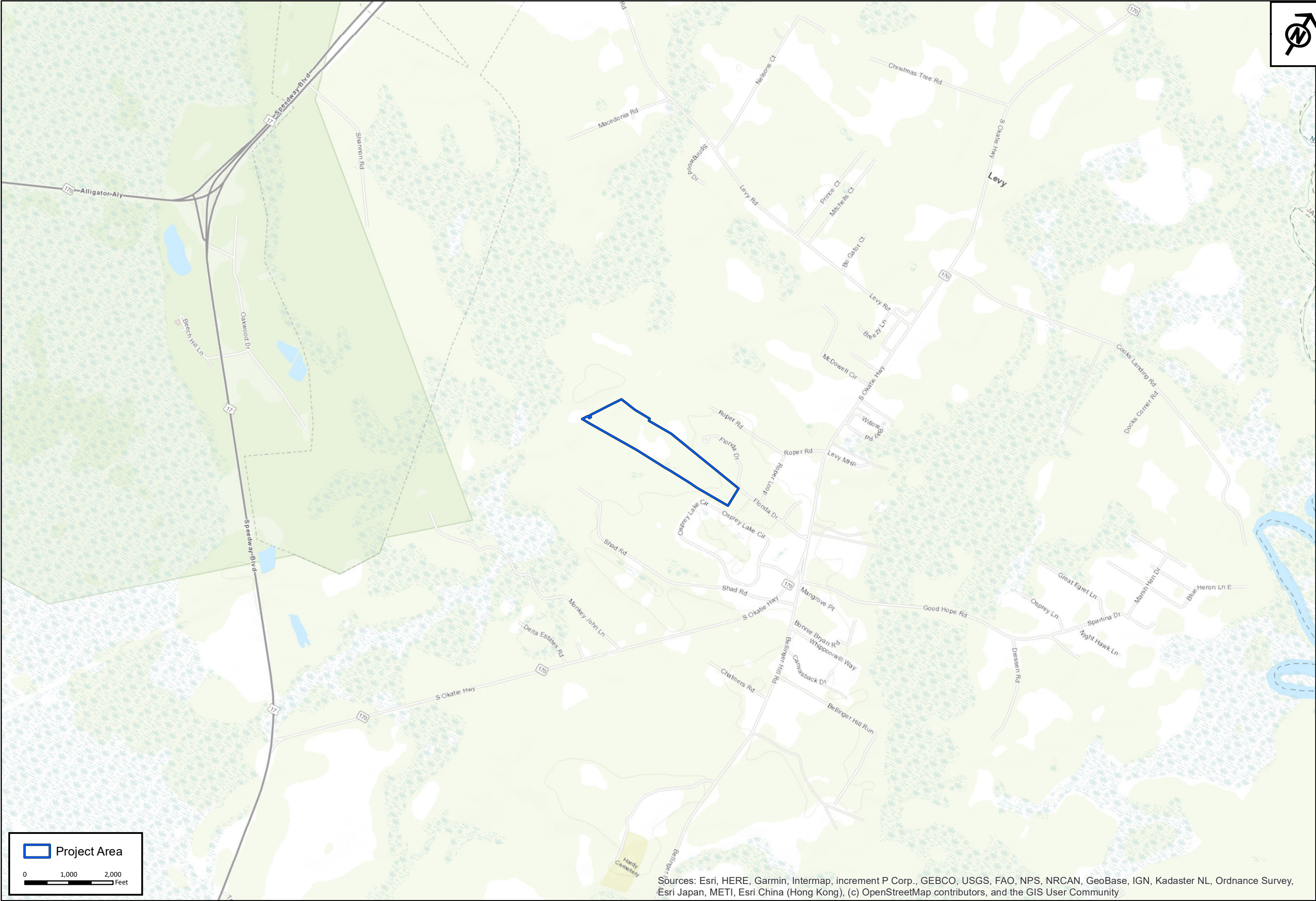
Jasper County, Georgia

Project Location Map

Prepared For: Mr. Will Monroe

RLC

RESOURCE+LAND
CONSULTANTS
41 Park of Commerce Way, Ste 101
Savannah, GA 31405
tel 912.443.5896 fax 912.443.5898



Project Area

0 1,000 2,000 Feet

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

RLC Project No.: 21-078
Figure No.: 2
Prepared By: JP
Sketch Date: 1/12/2022
Map Scale : 1 inch = 2000 Feet

Florida Drive Tract

Jasper County, Georgia

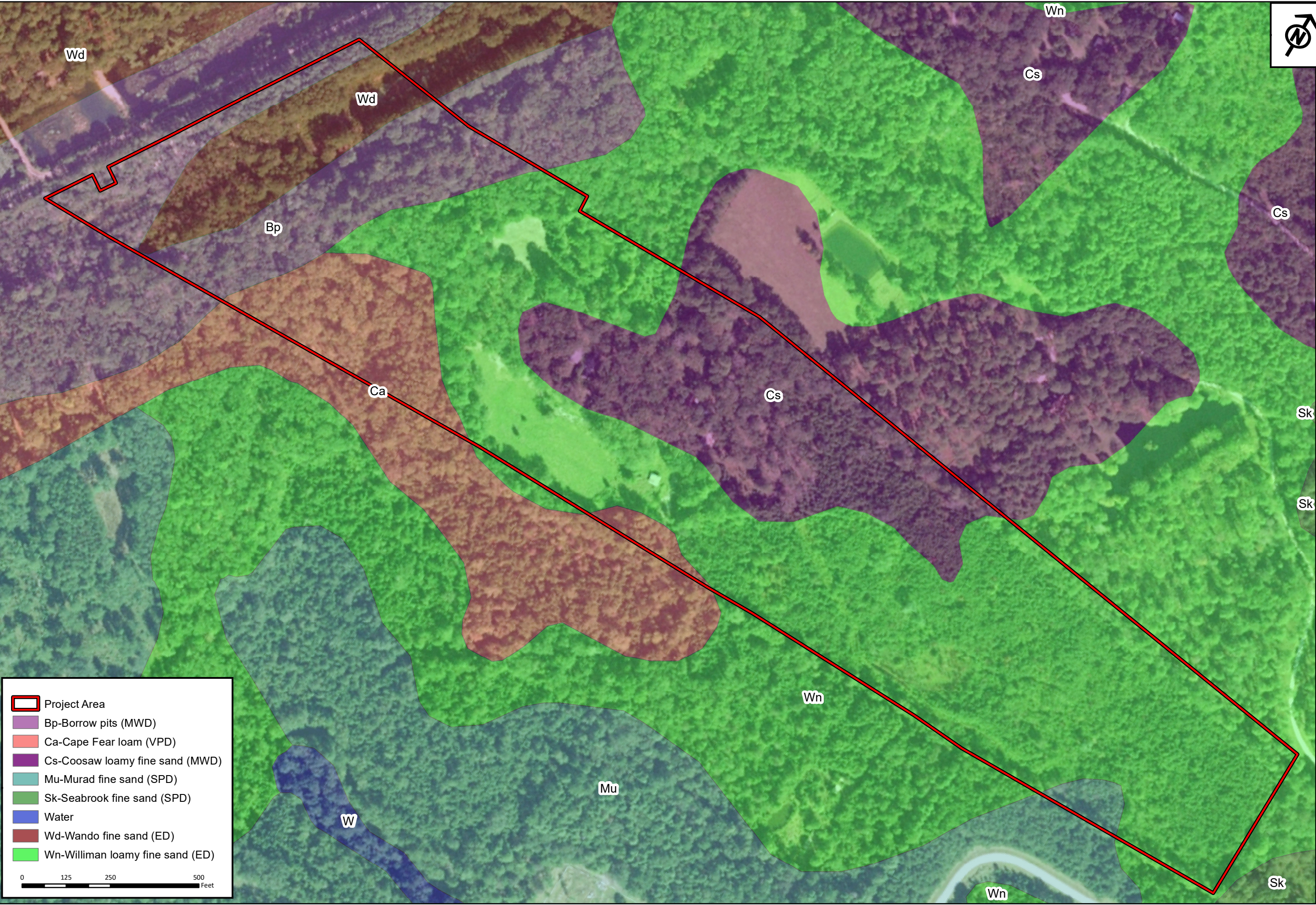
USGS Topographic Map

Prepared For: Mr. Will Monroe

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Project Area

Bp-Borrow pits (MWD)

Ca-Cape Fear loam (VPD)

Cs-Coosaw loamy fine sand (MWD)

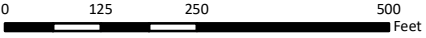
Mu-Murad fine sand (SPD)

Sk-Seabrook fine sand (SPD)

Water

Wd-Wando fine sand (ED)

Wn-Williman loamy fine sand (ED)



RLC Project No.: 21-078

Figure No.: 3

Prepared By: JP

Sketch Date: 1/12/2022

Map Scale : 1 inch = 250feet

Florida Drive Tract

Jasper County, Georgia

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NRCS Soil Map

Prepared For: Mr. Will Monroe



0 125 250 Feet

Project Area
USFWS NWI



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National Wetlands Inventory

Prepared For: Mr. Will Monroe

Florida Drive Tract

Jasper County, Georgia

RLC Project No.:	21-078
Figure No.:	4
Prepared By:	JP
Sketch Date:	1/12/2022
Map Scale :	1 inch = 250feet



Project Area

0125250

Feet



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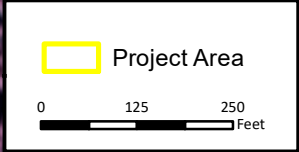
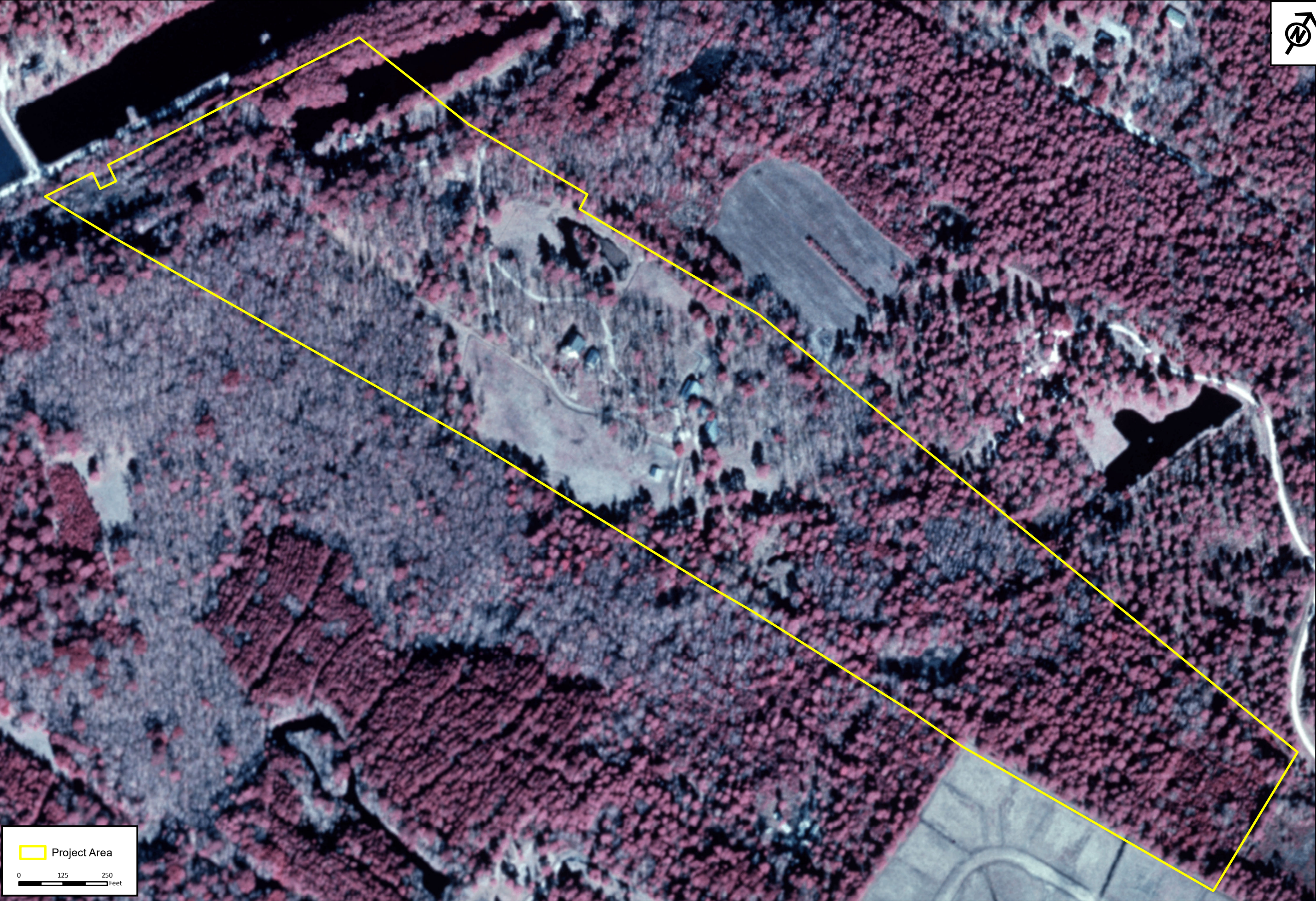
2017 NAIP Ortho Aerial

Prepared For: Mr. Will Monroe

Florida Drive Tract

Jasper County, Georgia

RLC Project No.:	21-078
Figure No.:	5
Prepared By:	JP
Sketch Date:	1/12/2022
Map Scale :	1 inch = 250feet



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C O N S U L T A N T S

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RLC

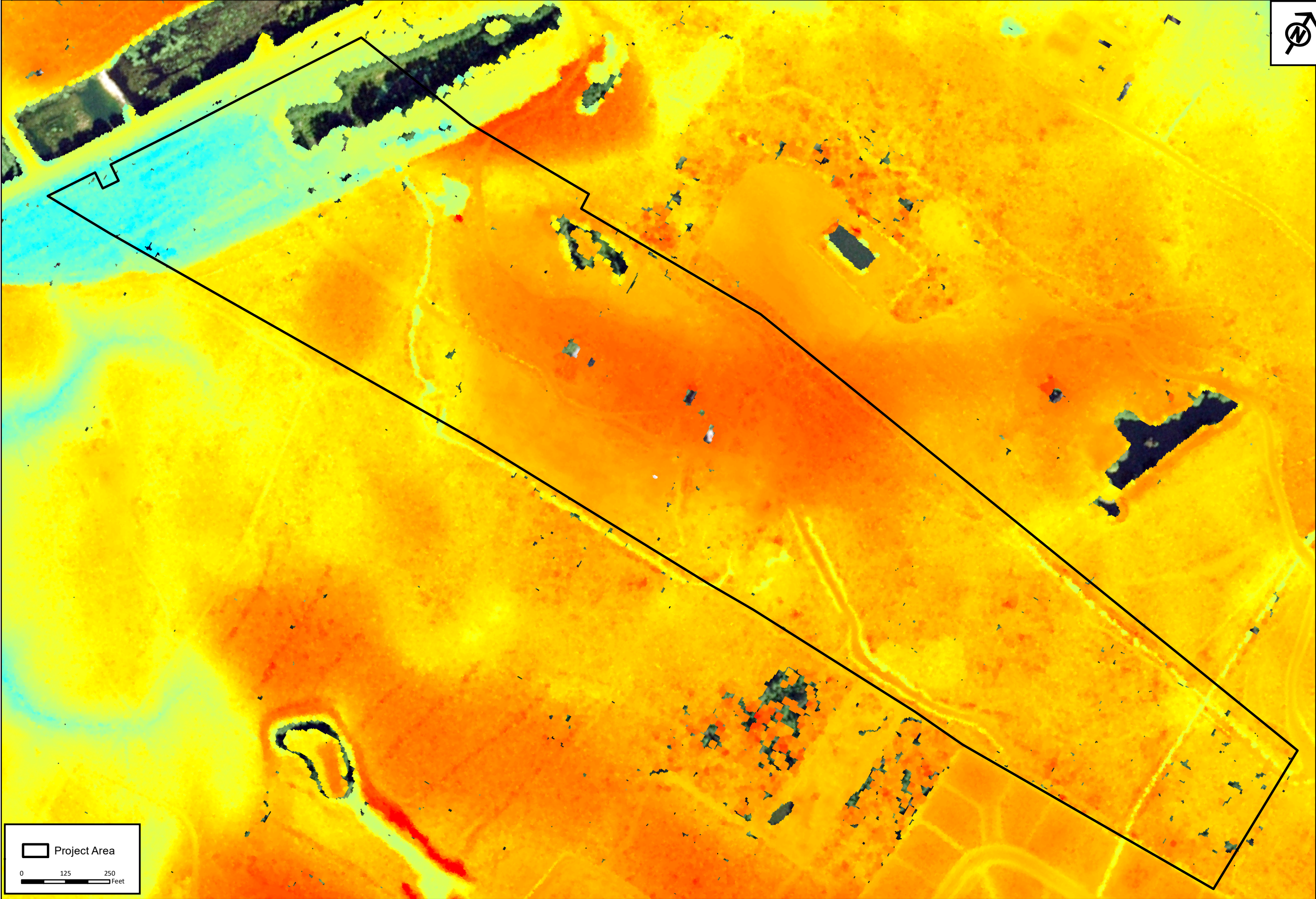
1999 Color-Infrared Imagery

Prepared For: Mr. Will Monroe

Florida Drive Tract

Jasper County, Georgia

RLC Project No.:	21-078
Figure No.:	6
Prepared By:	JP
Sketch Date:	1/12/2022
Map Scale :	1 inch = 250feet



0 125 250
Feet

Project Area



RLC Project No.:	21-078
Figure No.:	6
Prepared By:	JP
Sketch Date:	1/12/2022
Map Scale :	1 inch = 250feet

Florida Drive Tract

Jasper County, Georgia

1999 Color-Infrared Imagery

Prepared For: Mr. Will Monroe



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Wetland A: ±2.78 Acres

Wetland D: ±0.82 Acre

Wetland G: ±0.09 Acre

Wetland F: ±0.14 Acre

Wetland E: ±0.70 Acre

Wetland B: ±1.18 Acre

Wetland C: ±1.05 Acre

- Project Area: ±55.71 Acres
- Upland: ±48.95 Acres
- Wetland: ±6.76 Acres
- GPS Points

0 125 250 500 Feet



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RLC

Aquatic Resource GPS Exhibit

Prepared For: Mr. Will Monroe

Florida Drive Tract

Jasper County, Georgia

RLC Project No.:	21-078
Figure No.:	8
Prepared By:	JP
Sketch Date:	1/12/2022
Map Scale :	1 inch = 250feet

Label	Latitude	Longitude
0	32.180687	-81.037340
1	32.180526	-81.037286
2	32.180411	-81.037457
3	32.180363	-81.037590
4	32.180316	-81.037686
5	32.180321	-81.037933
6	32.180331	-81.038227
7	32.180358	-81.038418
8	32.180443	-81.038501
9	32.180491	-81.038472
10	32.180485	-81.038406
11	32.180565	-81.038280
12	32.180576	-81.038136
13	32.180553	-81.038038
14	32.180630	-81.038034
15	32.180729	-81.037952
16	32.180822	-81.037849
17	32.180838	-81.037763
18	32.180892	-81.037634
19	32.180817	-81.037438
20	32.181805	-81.038018
21	32.181783	-81.037866
22	32.181803	-81.037833
23	32.181678	-81.037412
24	32.181608	-81.037404
25	32.181560	-81.037569
26	32.181483	-81.037744
27	32.181336	-81.037790
28	32.181251	-81.037914
29	32.181323	-81.038037
30	32.181421	-81.038222
31	32.181591	-81.038292
32	32.181694	-81.038162
33	32.180229	-81.039406
34	32.180231	-81.039472
35	32.180231	-81.039940
36	32.180243	-81.040472
37	32.180248	-81.040469
38	32.180355	-81.040326
39	32.180492	-81.040342
40	32.180635	-81.040343
41	32.180603	-81.040127
42	32.180647	-81.039941
43	32.180509	-81.039769
44	32.180597	-81.039699

Label	Latitude	Longitude
45	32.180733	-81.039713
46	32.180798	-81.039540
47	32.180863	-81.039524
48	32.180741	-81.039401
49	32.180648	-81.039308
50	32.180422	-81.039247
51	32.180332	-81.039324
52	32.181798	-81.043629
53	32.181699	-81.043734
54	32.181766	-81.043785
55	32.181728	-81.043843
56	32.181750	-81.043872
57	32.181815	-81.043882
58	32.181922	-81.043895
59	32.181961	-81.043785
60	32.181947	-81.043620
61	32.182451	-81.044398
62	32.182332	-81.044528
63	32.182169	-81.044662
64	32.182071	-81.044758
65	32.181959	-81.044870
66	32.181905	-81.044894
67	32.181852	-81.044986
68	32.181803	-81.045109
69	32.181715	-81.045121
70	32.181632	-81.045213
71	32.181568	-81.045267
72	32.181598	-81.045300
73	32.181707	-81.045295
74	32.181811	-81.045321
75	32.181896	-81.045254
76	32.182039	-81.045081
77	32.182110	-81.045057
78	32.182128	-81.045091
79	32.182170	-81.045185
80	32.182215	-81.045175
81	32.182382	-81.044985
82	32.182505	-81.044894
83	32.182511	-81.044888
84	32.180251	-81.045928
85	32.180248	-81.046300
86	32.180256	-81.046964
87	32.180599	-81.046696
88	32.180522	-81.046563
89	32.180635	-81.046472

Label	Latitude	Longitude
90	32.180690	-81.046566
91	32.180803	-81.046464
92	32.181010	-81.046306
93	32.181100	-81.046105
94	32.181233	-81.045990
95	32.181243	-81.045810
96	32.181087	-81.045802
97	32.180975	-81.045822
98	32.180929	-81.045760
99	32.181137	-81.045605
100	32.181270	-81.045500
101	32.181236	-81.045351
102	32.181115	-81.045415
103	32.180982	-81.045503
104	32.180820	-81.045618
105	32.180723	-81.045669
106	32.180574	-81.045755
107	32.180469	-81.045764
108	32.180379	-81.045840
109	32.180346	-81.045850
110	32.180398	-81.045783
111	32.180591	-81.045633
112	32.180784	-81.045458
113	32.180964	-81.045315
114	32.181086	-81.045218
115	32.181192	-81.045167
116	32.181213	-81.045072
117	32.181182	-81.045014
118	32.181459	-81.045019
119	32.181462	-81.045020
120	32.181549	-81.045047
121	32.181577	-81.044942
122	32.181518	-81.044850
123	32.181543	-81.044804
124	32.181613	-81.044748
125	32.181651	-81.044653
126	32.181745	-81.044575
127	32.181744	-81.044542
128	32.181656	-81.044506
129	32.181590	-81.044563
130	32.181472	-81.044712
131	32.181344	-81.044747
132	32.181244	-81.044918
133	32.181045	-81.045058
134	32.180913	-81.045153

Label	Latitude	Longitude
135	32.180822	-81.045328
136	32.180688	-81.045372
137	32.180583	-81.045445
138	32.180418	-81.045588
139	32.180345	-81.045696
140	32.180280	-81.045775
141	32.180257	-81.045904
142	32.181938	-81.044462
143	32.181906	-81.044538
144	32.181938	-81.044578
145	32.182095	-81.044397
146	32.182151	-81.044316
147	32.182222	-81.044147
148	32.182258	-81.044131
149	32.182300	-81.044187
150	32.182339	-81.044140
151	32.182301	-81.044059
152	32.182244	-81.044071
153	32.182176	-81.044226
154	32.182112	-81.044293
155	32.181995	-81.044390

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Florida Drive Tract City/County: Hardeeville/Jasper Sampling Date: 1/5/2022
 Applicant/Owner: Will Monroe State: SC Sampling Point: Upland
 Investigator(s): RLC (Brett Searing) Section, Township, Range: n/a
 Landform (hillside, terrace, etc.): Backslope Local relief (concave, convex, none): Convex Slope (%): 2-3
 Subregion (LRR or MLRA): LRR T, MLRA 153A Lat: 32.181772 Long: -81.038259 Datum: NAD 83
 Soil Map Unit Name: Coosaw loamy fine sand NWI classification: Upland

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u> Hydric Soil Present? Yes <u> </u> No <u>X</u> Wetland Hydrology Present? Yes <u> </u> No <u>X</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> Is the Sampled Area within a Wetland? </td> <td style="width: 40%; padding: 5px;"> Yes <u> </u> No <u>X</u> </td> </tr> </table>	Is the Sampled Area within a Wetland?	Yes <u> </u> No <u>X</u>
Is the Sampled Area within a Wetland?	Yes <u> </u> No <u>X</u>		
Remarks:			

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <u> </u> Surface Water (A1) <u> </u> High Water Table (A2) <u> </u> Saturation (A3) <u> </u> Water Marks (B1) <u> </u> Sediment Deposits (B2) <u> </u> Drift Deposits (B3) <u> </u> Algal Mat or Crust (B4) <u> </u> Iron Deposits (B5) <u> </u> Inundation Visible on Aerial Imagery (B7) <u> </u> Water-Stained Leaves (B9) </div> <div style="width: 50%;"> <u> </u> Aquatic Fauna (B13) <u> </u> Marl Deposits (B15) (LRR U) <u> </u> Hydrogen Sulfide Odor (C1) <u> </u> Oxidized Rhizospheres on Living Roots (C3) <u> </u> Presence of Reduced Iron (C4) <u> </u> Recent Iron Reduction in Tilled Soils (C6) <u> </u> Thin Muck Surface (C7) <u> </u> Other (Explain in Remarks) </div> </div>	<u>Secondary Indicators (minimum of two required)</u> <u> </u> Surface Soil Cracks (B6) <u> </u> Sparsely Vegetated Concave Surface (B8) <u> </u> Drainage Patterns (B10) <u> </u> Moss Trim Lines (B16) <u> </u> Dry-Season Water Table (C2) <u> </u> Crayfish Burrows (C8) <u> </u> Saturation Visible on Aerial Imagery (C9) <u> </u> Geomorphic Position (D2) <u> </u> Shallow Aquitard (D3) <u> </u> FAC-Neutral Test (D5) <u> </u> Sphagnum Moss (D8) (LRR T,U)		
Field Observations: Surface Water Present? Yes <u> </u> No <u>X</u> Depth (inches): <u> </u> Water Table Present? Yes <u> </u> No <u>X</u> Depth (inches): <u> </u> Saturation Present? Yes <u> </u> No <u>X</u> Depth (inches): <u> </u> (includes capillary fringe)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> Wetland Hydrology Present? </td> <td style="width: 40%; padding: 5px;"> Yes <u> </u> No <u>X</u> </td> </tr> </table>	Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>
Wetland Hydrology Present?	Yes <u> </u> No <u>X</u>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: Upland

Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Acer rubrum</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>8</u> (A) Total Number of Dominant Species Across All Strata: <u>10</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>80.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>86</u></td> <td>x 3 = <u>258</u></td> </tr> <tr> <td>FACU species <u>5</u></td> <td>x 4 = <u>20</u></td> </tr> <tr> <td>UPL species <u>15</u></td> <td>x 5 = <u>75</u></td> </tr> <tr> <td>Column Totals: <u>106</u> (A)</td> <td><u>353</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.33</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>86</u>	x 3 = <u>258</u>	FACU species <u>5</u>	x 4 = <u>20</u>	UPL species <u>15</u>	x 5 = <u>75</u>	Column Totals: <u>106</u> (A)	<u>353</u> (B)	Prevalence Index = B/A = <u>3.33</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>86</u>	x 3 = <u>258</u>																			
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UPL species <u>15</u>	x 5 = <u>75</u>																			
Column Totals: <u>106</u> (A)	<u>353</u> (B)																			
Prevalence Index = B/A = <u>3.33</u>																				
2. <u>Liquidambar styraciflua</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>																	
3. <u>Quercus nigra</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
<u>60</u> =Total Cover																				
50% of total cover: <u>30</u>		20% of total cover: <u>12</u>																		
Sapling/Shrub Stratum (Plot size: <u>30</u>)																				
1. <u>Morella cerifera</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: <u> </u> 1 - Rapid Test for Hydrophytic Vegetation <u>X</u> 2 - Dominance Test is >50% <u> </u> 3 - Prevalence Index is ≤3.0 ¹ <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Liquidambar styraciflua</u>	<u>5</u>	<u>Yes</u>	<u>FAC</u>																	
3. <u>Quercus nigra</u>	<u>5</u>	<u>Yes</u>	<u>FAC</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
<u>20</u> =Total Cover																				
50% of total cover: <u>10</u>		20% of total cover: <u>4</u>																		
Herb Stratum (Plot size: <u>30</u>)																				
1. <u>Pteridium aquilinum</u>	<u>5</u>	<u>Yes</u>	<u>FACU</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine – All woody vines greater than 3.28 ft in height.																
2. <u>Eupatorium cannabinum</u>	<u>15</u>	<u>Yes</u>	<u>UPL</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
<u>20</u> =Total Cover																				
50% of total cover: <u>10</u>		20% of total cover: <u>4</u>																		
Woody Vine Stratum (Plot size: <u>30</u>)																				
1. <u>Smilax bona-nox</u>	<u>3</u>	<u>Yes</u>	<u>FAC</u>	Hydrophytic Vegetation Present? Yes <u>X</u> No <u> </u>																
2. <u>Vitis rotundifolia</u>	<u>3</u>	<u>Yes</u>	<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
<u>6</u> =Total Cover																				
50% of total cover: <u>3</u>		20% of total cover: <u>2</u>																		

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

SOIL

Sampling Point: Upland**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8	10YR 4/3	100					Sandy	
8-15	10YR 5/4	100					Sandy	
15-20	10YR 5/6	100					Sandy	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Thin Dark Surface (S9) (LRR S, T, U)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Barrier Islands 1 cm Muck (S12)
<input type="checkbox"/> Black Histic (A3)	(MLRA 153B, 153D)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR O)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)
<input type="checkbox"/> Organic Bodies (A6) (LRR, P, T, U)	<input type="checkbox"/> Depleted Matrix (F3)
<input type="checkbox"/> 5 cm Mucky Mineral (A7) (LRR P, T, U)	<input type="checkbox"/> Redox Dark Surface (F6)
<input type="checkbox"/> Muck Presence (A8) (LRR U)	<input type="checkbox"/> Depleted Dark Surface (F7)
<input type="checkbox"/> 1 cm Muck (A9) (LRR P, T)	<input type="checkbox"/> Redox Depressions (F8)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Marl (F10) (LRR U)
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Ochric (F11) (MLRA 151)
<input type="checkbox"/> Coast Prairie Redox (A16) (MLRA 150A)	<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR O, P, T)
<input type="checkbox"/> Sandy Mucky Mineral (S1) (LRR O, S)	<input type="checkbox"/> Umbric Surface (F13) (LRR P, T, U)
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Delta Ochric (F17) (MLRA 151)
<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Reduced Vertic (F18) (MLRA 150A, 150B)
<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149A)
<input type="checkbox"/> Dark Surface (S7) (LRR P, S, T, U)	<input type="checkbox"/> Anomalous Bright Floodplain Soils (F20)
<input type="checkbox"/> Polyvalue Below Surface (S8)	(MLRA 149A, 153C, 153D)
(LRR S, T, U)	

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> 1 cm Muck (A9) (LRR O)
<input type="checkbox"/> 2 cm Muck (A10) (LRR S)
<input type="checkbox"/> Coast Prairie Redox (A16)
(outside MLRA 150A)
<input type="checkbox"/> Reduced Vertic (F18)
(outside MLRA 150A, 150B)
<input type="checkbox"/> Piedmont Floodplain Soils (F19) (LRR P, T)
<input type="checkbox"/> Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Barrier Islands Low Chroma Matrix (TS7)
(MLRA 153B, 153D)
<input type="checkbox"/> Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

This data form is revised from Atlantic and Gulf Coastal Plain Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: Florida Drive Tract City/County: Hardeeville/Jasper Sampling Date: 1/5/2022
 Applicant/Owner: Will Monroe State: SC Sampling Point: Wetland
 Investigator(s): RLC (Brett Searing) Section, Township, Range: n/a
 Landform (hillside, terrace, etc.): Toe of slope Local relief (concave, convex, none): Concave Slope (%): 2-3
 Subregion (LRR or MLRA): LRR T, MLRA 153A Lat: 32.181682 Long: -81.037997 Datum: NAD 83
 Soil Map Unit Name: Williman loamy fine sand NWI classification: PFO1A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <u>X</u> No <u> </u>	Is the Sampled Area within a Wetland?	Yes <u>X</u> No <u> </u>
Hydric Soil Present?	Yes <u>X</u> No <u> </u>		
Wetland Hydrology Present?	Yes <u>X</u> No <u> </u>		
Remarks:			

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <u>X</u> Surface Water (A1) <u> </u> Aquatic Fauna (B13) <u>X</u> High Water Table (A2) <u> </u> Marl Deposits (B15) (LRR U) <u>X</u> Saturation (A3) <u> </u> Hydrogen Sulfide Odor (C1) <u>X</u> Water Marks (B1) <u> </u> Oxidized Rhizospheres on Living Roots (C3) <u> </u> Sediment Deposits (B2) <u> </u> Presence of Reduced Iron (C4) <u> </u> Drift Deposits (B3) <u> </u> Recent Iron Reduction in Tilled Soils (C6) <u> </u> Algal Mat or Crust (B4) <u> </u> Thin Muck Surface (C7) <u> </u> Iron Deposits (B5) <u> </u> Other (Explain in Remarks) <u> </u> Inundation Visible on Aerial Imagery (B7) <u>X</u> Water-Stained Leaves (B9)		<u>Secondary Indicators (minimum of two required)</u> <u> </u> Surface Soil Cracks (B6) <u> </u> Sparsely Vegetated Concave Surface (B8) <u> </u> Drainage Patterns (B10) <u> </u> Moss Trim Lines (B16) <u> </u> Dry-Season Water Table (C2) <u> </u> Crayfish Burrows (C8) <u> </u> Saturation Visible on Aerial Imagery (C9) <u>X</u> Geomorphic Position (D2) <u> </u> Shallow Aquitard (D3) <u>X</u> FAC-Neutral Test (D5) <u> </u> Sphagnum Moss (D8) (LRR T,U)	
Field Observations: Surface Water Present? Yes <u>X</u> No <u> </u> Depth (inches): <u>2</u> Water Table Present? Yes <u>X</u> No <u> </u> Depth (inches): <u>0</u> Saturation Present? Yes <u>X</u> No <u> </u> Depth (inches): <u>0</u> (includes capillary fringe)		Wetland Hydrology Present? Yes <u>X</u> No <u> </u>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: Wetland

Tree Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Acer rubrum</u>	<u>5</u>	<u>No</u>	<u>FAC</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B) Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>20</u></td> <td>x 1 = <u>20</u></td> </tr> <tr> <td>FACW species <u>8</u></td> <td>x 2 = <u>16</u></td> </tr> <tr> <td>FAC species <u>55</u></td> <td>x 3 = <u>165</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>83</u> (A)</td> <td><u>201</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.42</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>20</u>	x 1 = <u>20</u>	FACW species <u>8</u>	x 2 = <u>16</u>	FAC species <u>55</u>	x 3 = <u>165</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>83</u> (A)	<u>201</u> (B)	Prevalence Index = B/A = <u>2.42</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>20</u>	x 1 = <u>20</u>																			
FACW species <u>8</u>	x 2 = <u>16</u>																			
FAC species <u>55</u>	x 3 = <u>165</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>83</u> (A)	<u>201</u> (B)																			
Prevalence Index = B/A = <u>2.42</u>																				
2. <u>Taxodium distichum</u>	<u>10</u>	<u>No</u>	<u>OBL</u>																	
3. <u>Nyssa sylvatica</u>	<u>45</u>	<u>Yes</u>	<u>FAC</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
<u>60</u> =Total Cover																				
50% of total cover: <u>30</u>		20% of total cover: <u>12</u>																		
Sapling/Shrub Stratum (Plot size: <u>30</u>)																				
1. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>X</u> <u>2</u> - Dominance Test is >50% <u>X</u> <u>3</u> - Prevalence Index is ≤3.0 ¹ <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
_____ =Total Cover																				
50% of total cover: _____		20% of total cover: _____																		
Herb Stratum (Plot size: <u>30</u>)																				
1. <u>Woodwardia areolata</u>	<u>5</u>	<u>Yes</u>	<u>OBL</u>	Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes <u>X</u> No _____																
2. <u>Osmundastrum cinnamomeum</u>	<u>8</u>	<u>Yes</u>	<u>FACW</u>																	
3. <u>Woodwardia virginica</u>	<u>5</u>	<u>Yes</u>	<u>OBL</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
<u>18</u> =Total Cover																				
50% of total cover: <u>9</u>		20% of total cover: <u>4</u>																		
Woody Vine Stratum (Plot size: <u>30</u>)																				
1. <u>Vitis rotundifolia</u>	<u>5</u>	<u>Yes</u>	<u>FAC</u>																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
<u>5</u> =Total Cover																				
50% of total cover: <u>3</u>		20% of total cover: <u>1</u>																		

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

SOIL

Sampling Point: Wetland**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10YR 2/1	100					Loamy/Clayey	
10-20	10YR 4/1	75	7.5YR 5/4	25	C	M	Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Thin Dark Surface (S9) (LRR S, T, U)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Barrier Islands 1 cm Muck (S12)
<input type="checkbox"/> Black Histic (A3)	(MLRA 153B, 153D)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (LRR O)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)
<input type="checkbox"/> Organic Bodies (A6) (LRR, P, T, U)	<input checked="" type="checkbox"/> Depleted Matrix (F3)
<input type="checkbox"/> 5 cm Mucky Mineral (A7) (LRR P, T, U)	<input type="checkbox"/> Redox Dark Surface (F6)
<input type="checkbox"/> Muck Presence (A8) (LRR U)	<input type="checkbox"/> Depleted Dark Surface (F7)
<input type="checkbox"/> 1 cm Muck (A9) (LRR P, T)	<input type="checkbox"/> Redox Depressions (F8)
<input checked="" type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Marl (F10) (LRR U)
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Ochric (F11) (MLRA 151)
<input type="checkbox"/> Coast Prairie Redox (A16) (MLRA 150A)	<input type="checkbox"/> Iron-Manganese Masses (F12) (LRR O, P, T)
<input type="checkbox"/> Sandy Mucky Mineral (S1) (LRR O, S)	<input type="checkbox"/> Umbric Surface (F13) (LRR P, T, U)
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Delta Ochric (F17) (MLRA 151)
<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Reduced Vertic (F18) (MLRA 150A, 150B)
<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Piedmont Floodplain Soils (F19) (MLRA 149A)
<input type="checkbox"/> Dark Surface (S7) (LRR P, S, T, U)	<input type="checkbox"/> Anomalous Bright Floodplain Soils (F20)
<input type="checkbox"/> Polyvalue Below Surface (S8)	(MLRA 149A, 153C, 153D)
(LRR S, T, U)	

Indicators for Problematic Hydric Soils³:

<input type="checkbox"/> 1 cm Muck (A9) (LRR O)
<input type="checkbox"/> 2 cm Muck (A10) (LRR S)
<input type="checkbox"/> Coast Prairie Redox (A16)
(outside MLRA 150A)
<input type="checkbox"/> Reduced Vertic (F18)
(outside MLRA 150A, 150B)
<input type="checkbox"/> Piedmont Floodplain Soils (F19) (LRR P, T)
<input type="checkbox"/> Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Barrier Islands Low Chroma Matrix (TS7)
(MLRA 153B, 153D)
<input type="checkbox"/> Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☒ No ☐

Remarks:

This data form is revised from Atlantic and Gulf Coastal Plain Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils, Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)