



# THE BRIGMAN COMPANY

March 30, 2022

U.S. Army Corps of Engineers  
Conway Regulatory Field Office  
1949 Industrial Park Road, Room 140  
Conway, SC 29526

Attention: Mr. Rob Huff

Reference: **Chow Lane Tract**  
**Conway, Horry County, South Carolina**

Dear Mr. Huff:

We have completed a routine wetland determination/delineation of the above referenced project. Based on a field reconnaissance conducted on March 23 and 30, 2022, the approximate 57.21-acre subject property was determined to contain approximately 14.7 acres of jurisdictional wetlands and 1,958 linear feet of Perennial Relatively Permanent Waters (run of Maple Swamp). In addition to the jurisdictional features, there are approximately 1,128 linear feet of non-jurisdictional ditch and a non-jurisdictional pond that totals approximate 0.7 acres. Acting as agent for owner, we hereby request this determination be reviewed by your office and a verification letter be issued after having concurred with our findings.

To facilitate the review and approval process, please find the following attached information:

- Approved Jurisdictional Determination Exhibit dated March 30, 2022
- USACE Jurisdictional Determination (JD) / Delineation form
- Exhibit 1 -Vicinity Map
- Exhibit 2 - USGS Topographic Map Exhibit
- Exhibit 3 – Aerial Photograph with Data Point Locations
- Exhibit 4 - Soil Survey Exhibit
- Exhibit 5 – USF&WS National Wetland Inventory Exhibit
- Exhibit 6 – LiDAR Exhibit
- Representative Site Photographs
- Data Sheets

Please notify us when you schedule your on-site inspection so we can be available to accompany you. Should you have any questions or require additional information to facilitate your review, please advise.

Sincerely,

Partner/Project Manager

cc: Tiffany McDowell, Larry W. Paul Family, LLC

U.S. Army Corps of Engineers – Charleston District - Regulatory Division  
**REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD) / DELINEATION**  
 (For Jurisdictional Status and Identifying Wetlands and Other Aquatic Resources)

**I. PROPERTY AND AGENT INFORMATION**

**A. Site Details/Location:**

Site Name: Chow Lane Tract Date: March 23, 2022  
 City/Township/Parish: Conway County: Horry  
 Latitude/Longitude: 33.952 / -79.009 (NAD83) Acreage: 57.21 Ac+/-  
 Tax Map Sequence (TMS) #(s): 084-00-02-018  
 Property Address(es): Chow Lane (please see the attached exhibit for project location).

Please attach a survey/plat map and vicinity map identifying location and review area for the JD/delineation.  
 An accurate depiction of the review area must be provided (survey, tax map, or GPS coordinates). Tax maps may only be used if the site includes the entire tax map parcel.

**B. Requestor of Jurisdictional Determination/Delineation (if there are multiple property owners, please attach additional pages)**

Name: Tiffany McDowell  
 Company Name (if applicable): Larry W. Paul Family, LLC  
 Address: 1207 Southern Oak Way, Mount Pleasant, SC 29466  
 Phone: (843) 345-6752 Email: tpmcdowell@me.com  
 Check one:  I currently own this property  
 I plan to purchase this property  
 Other, please explain \_\_\_\_\_

**C. Agent/Environmental Consultant Acting on Behalf of the Requestor (if applicable):**

Consultant/Agent Name: Charles C. Oates, Jr.  
 Company Name: The Brigman Company  
 Address: Post Office Box 1532, Conway, SC 29528 Phone: (843) 248-9388  
 Email: coates@thebrigmancompany.com

**II. REASON FOR REQUEST (check all that apply)**

- I intend to construct/develop a project or perform activities on this site which would be designed to avoid all aquatic resources.
- I intend to construct/develop a project or perform activities on this site which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
- I intend to construct/develop a project or perform activities on this site which may require authorization from the Corps, and the Jurisdictional Determination would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
- I intend to construct/develop a project or perform activities on this site which may require authorization from the Corps; this request is accompanied by my permit application and the jurisdictional determination is to be used in the permitting process.
- I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is subject to the ebb and flow of the tide.
- A Corps jurisdictional determination is required in order to obtain my local/state authorization.
- I intend to contest jurisdiction over a particular aquatic resource and the request the Corps to confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
- I believe that the site may be comprised entirely of dry land.
- Other: \_\_\_\_\_

<b>Charleston Office:</b> US Army Corps of Engineers Regulatory Division 69A Hagood Avenue Charleston, SC 29403 (ph) 843-329-8044 SAC.RD.Charleston@usace.army.mil	<b>Columbia Office:</b> US Army Corps of Engineers Regulatory Office 1835 Assembly Street, Room 865 B-1 Columbia, SC 29201 (ph) 803-253-3444 SAC.RD.Columbia@usace.army.mil	<b>Conway Office:</b> US Army Corps of Engineers Regulatory Office 1949 Industrial Park Road, Room 140 Conway, SC 29526 (ph) 843-365-4239 SAC.RD.Conway@usace.army.mil	<b>Greenville Office:</b> US Army Corps of Engineers Regulatory Office 150 Executive Center Drive, Suite 205 Greenville, SC 29615 (ph) 864-609-4326 SAC.RD.Greenville@usace.army.mil
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\***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 Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

**Principal Purpose:** The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

**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. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

**Disclosure:** Submission of requested information is voluntary; however, if information is not provided, the request for an jurisdictional determination cannot be evaluated nor can a jurisdictional determination be issued.

**III. TYPE OF REQUEST:**

- Delineation Concurrence<sup>1</sup>
- Approved<sup>2</sup> Jurisdictional Determination (AJD) Only
- Preliminary<sup>3</sup> Jurisdictional Determination (PJD) Only
- Approved Jurisdictional Determination (AJD) with submittal of a Pre-Construction Notification or Department of the Army permit application
- Preliminary Jurisdictional Determination (PJD) with submittal of a Pre-Construction Notification or Department of the Army permit application
- Delineation of Wetlands and/or Other Aquatic Resources Only Conducted By Agent/Environmental Consultant with submittal of a Pre-Construction Notification or Department of the Army permit application (No jurisdictional determination requested)
- I request that the Corps delineate the wetlands and/or other aquatic resources that may be present on my property with the attached Pre-Construction Notification or Department of the Army permit application
- I request that the Corps delineate the wetlands and/or other aquatic resources that may be present on my property with a Delineation Only, an AJD or PJD
- "No Permit Required" (NPR) Letter as I believe my proposed activity is not regulated<sup>4</sup>
- Unclear as to which jurisdictional determination I would like to request and require additional information to inform my decision

<sup>1</sup> Delineation Concurrence (DC) – A DC provides concurrence that the delineated boundaries of wetlands on a property are a reasonable representation of the aquatic resources on-site. A DC does not address the jurisdictional status of the aquatic resources.

<sup>2</sup> Approved – An AJD is defined in Corps regulations at 33 CFR 331.2. As explained in further detail in RGL 16-01, an AJD is used to indicate that this office has identified the presence or absence of wetlands and/or other aquatic resources on a site, including their accurate location(s) and boundaries, as well as their jurisdictional status. AJDs are valid for 5 years.

<sup>3</sup> Preliminary – A PJD is defined in Corps regulations at 33 CFR 331.2. As explained in further detail in RGL 16-01, a PJD is used to indicate that this office has identified the approximate location(s) and boundaries of wetlands and/or other aquatic resources on a site that are presumed to be subject to regulatory jurisdiction of the Corps of Engineers. Unlike an AJD, a PJD does not represent a definitive, official determination that there are, or that there are not, jurisdictional aquatic resources on a site, and does not have an expiration date.

<sup>4</sup> "No Permit Required" (NPR) Letter- A NPR letter may be provided by the Corps to notify the requestor that an activity will not require a permit (authorization) from the Corps; this letter can only be used if the proposed activity is not a regulated activity, regardless of where the activity may occur. A NPR letter cannot be used to indicate the presence or absence of wetlands and/or other aquatic resources, nor can it be used to determine their jurisdictional status.

**IV. LEGAL RIGHT OF ENTRY**

By signing below, I am indicating that I have the authority, or am acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant U.S. Army Corps of Engineers personnel right of entry to legally access the property(ies) subject to this request for the purposes of conducting on-site investigations (e.g., digging and refilling shallow holes) and issuing a jurisdictional determination. I acknowledge that my signature is an affirmation that I possess the requisite property rights to request a jurisdictional determination on the properties subject to this request.

Post Office Box 1532, Conway, SC 29528

Chow Lane / 084-00-02-018

Mailing Address

Property Address / TMS #(s)

coates@thebrigmancompany

(843) 248-9388

Email Address

Daytime Phone Number

Charles C. Oates, Jr. Digitally signed by Charles C. Oates, Jr.  
Date: 2022.03.23 13:04:36 -04'00'

Charles C. Oates, Jr. / March 23, 2022

\*Signature:

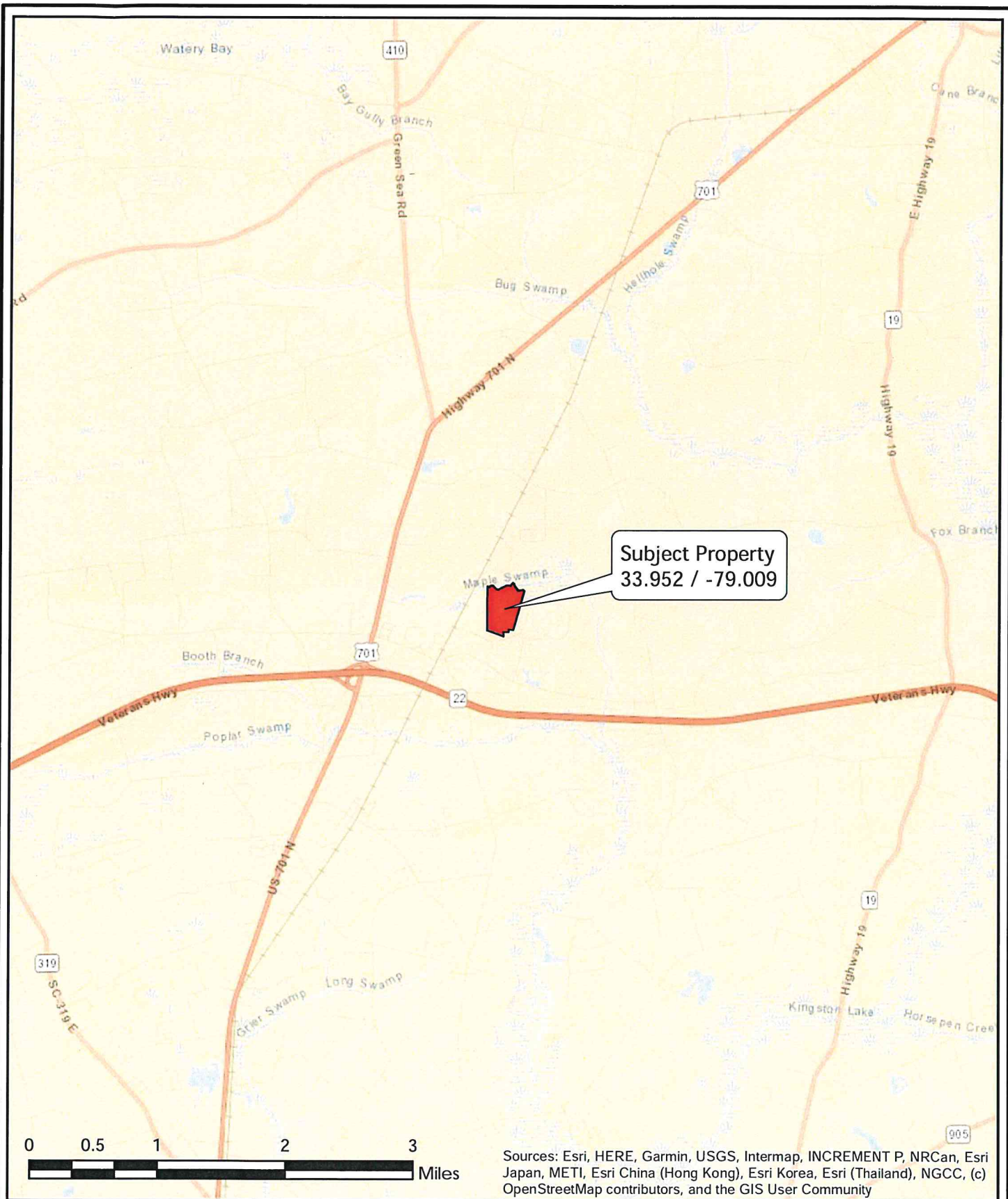
Printed Name and Date

\*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 Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

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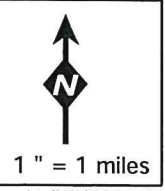


Subject Property  
33.952 / -79.009

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



Exhibit 1 - Site Vicinity Map  
Chow Lane Tract  
TMS# 084-00-02-018  
Conway, Horry County, South Carolina  
March 2022



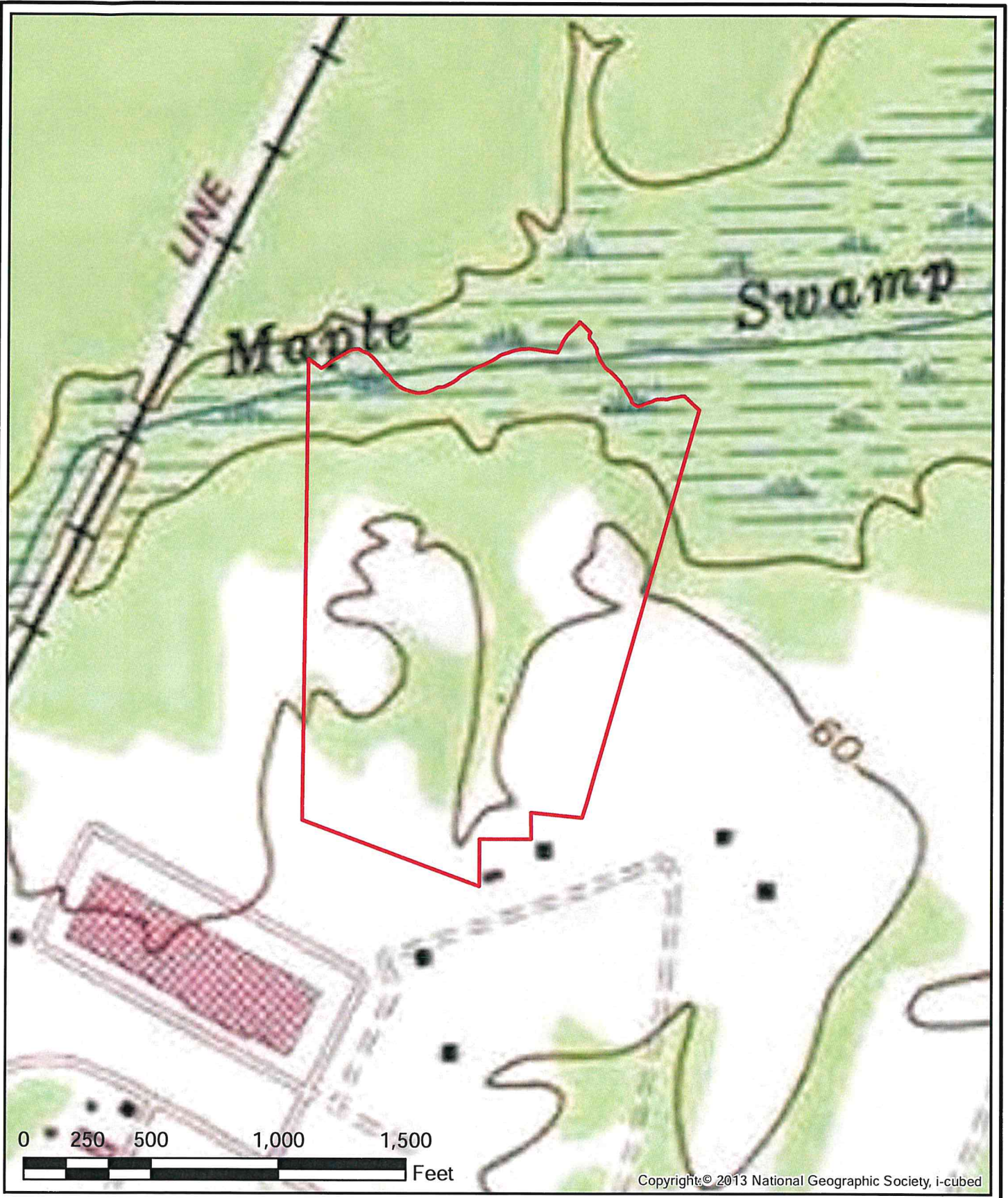
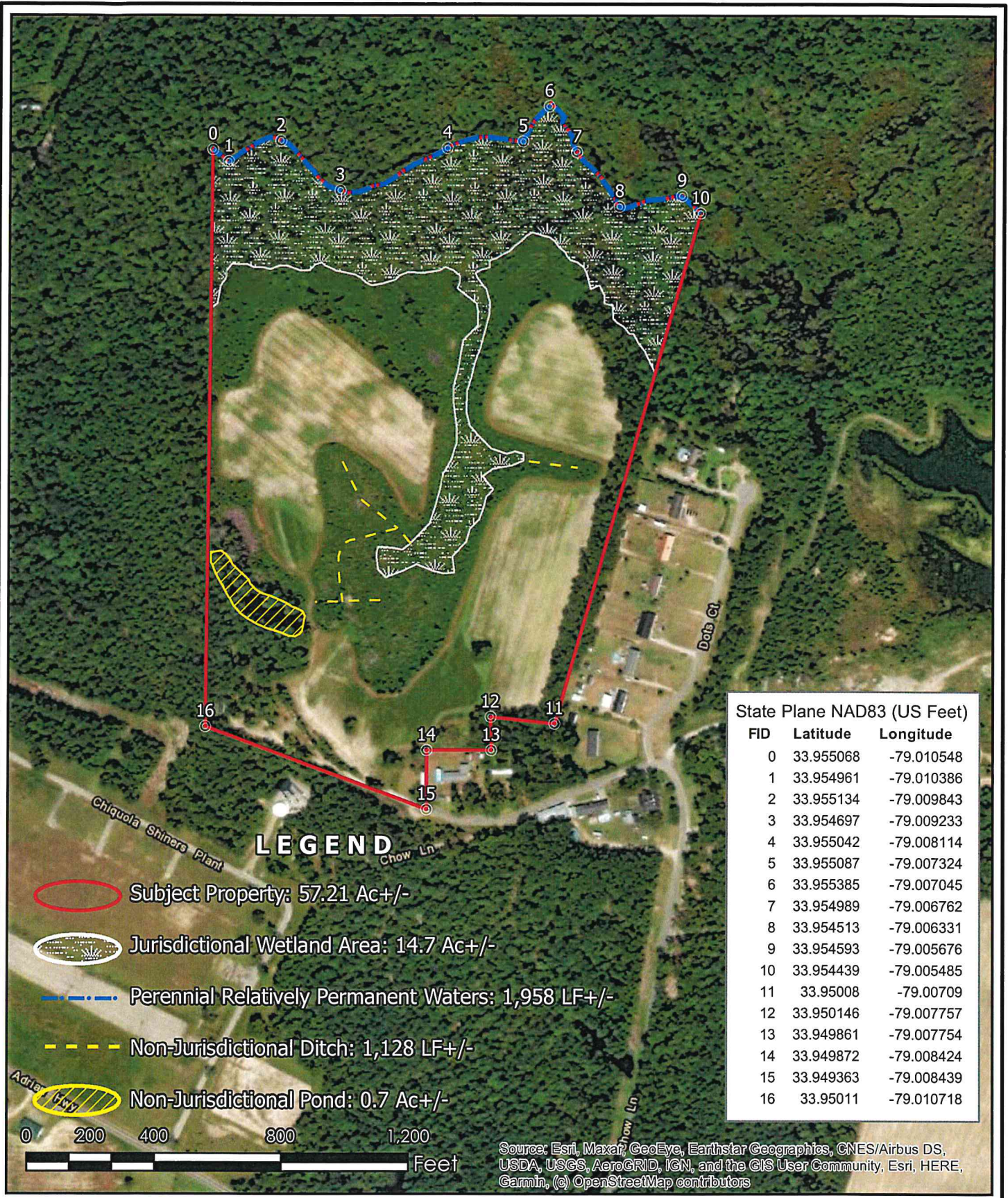


Exhibit 2 - USGS Topographic Map  
 Chow Lane Tract  
 TMS# 084-00-02-018  
 Conway, Horry County, South Carolina  
 March 2022





**Approved Jurisdictional Determination Exhibit**

Chow Lane Tract  
 TMS# 084-00-02-018  
 Conway, Horry County, South Carolina  
 March 30, 2022



1" = 400'

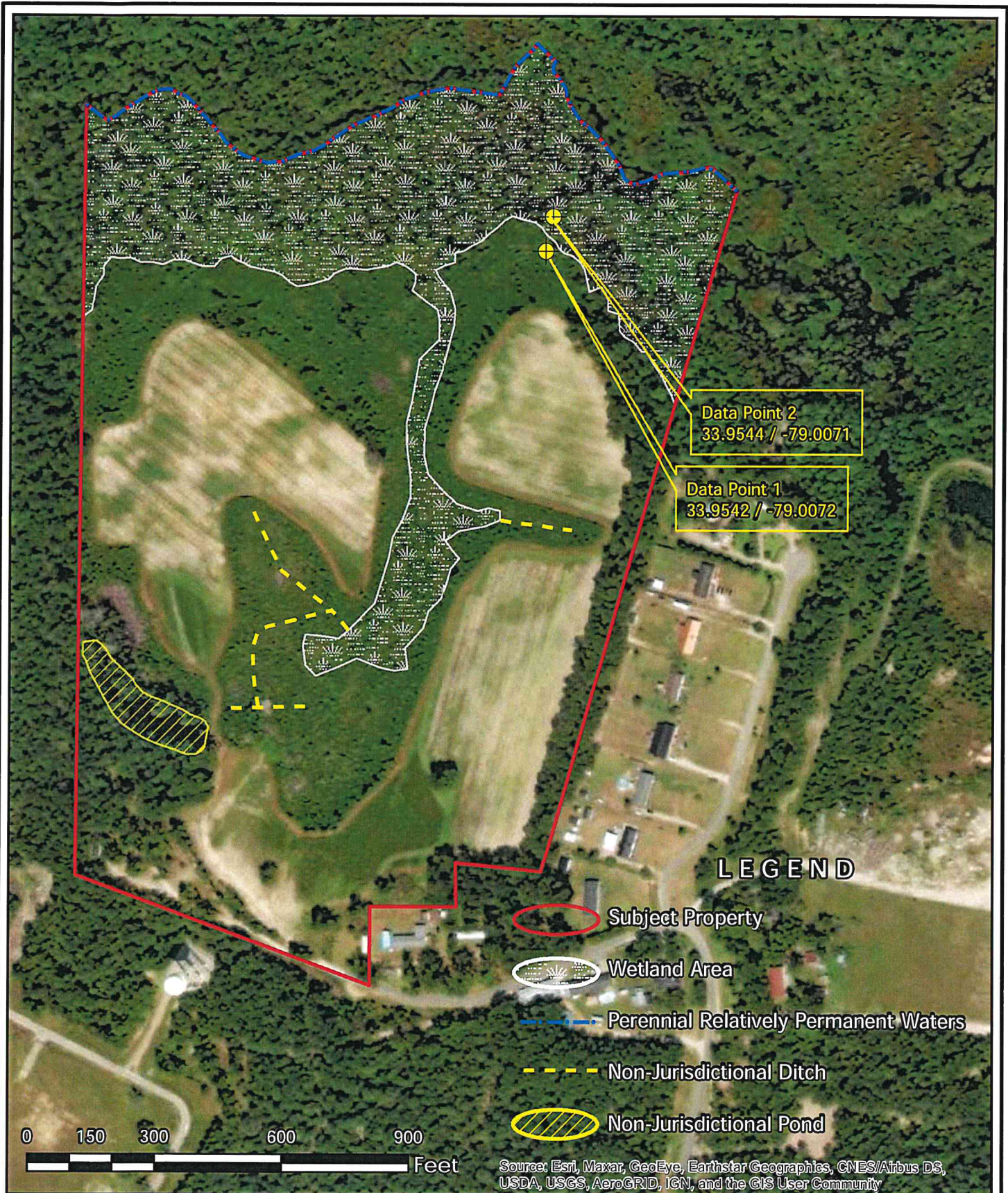


Exhibit 3 - Aerial Photograph  
 Chow Lane Tract  
 TMS# 084-00-02-018  
 Conway, Horry County, South Carolina  
 March 2022



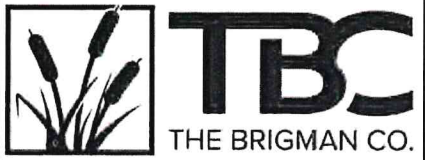
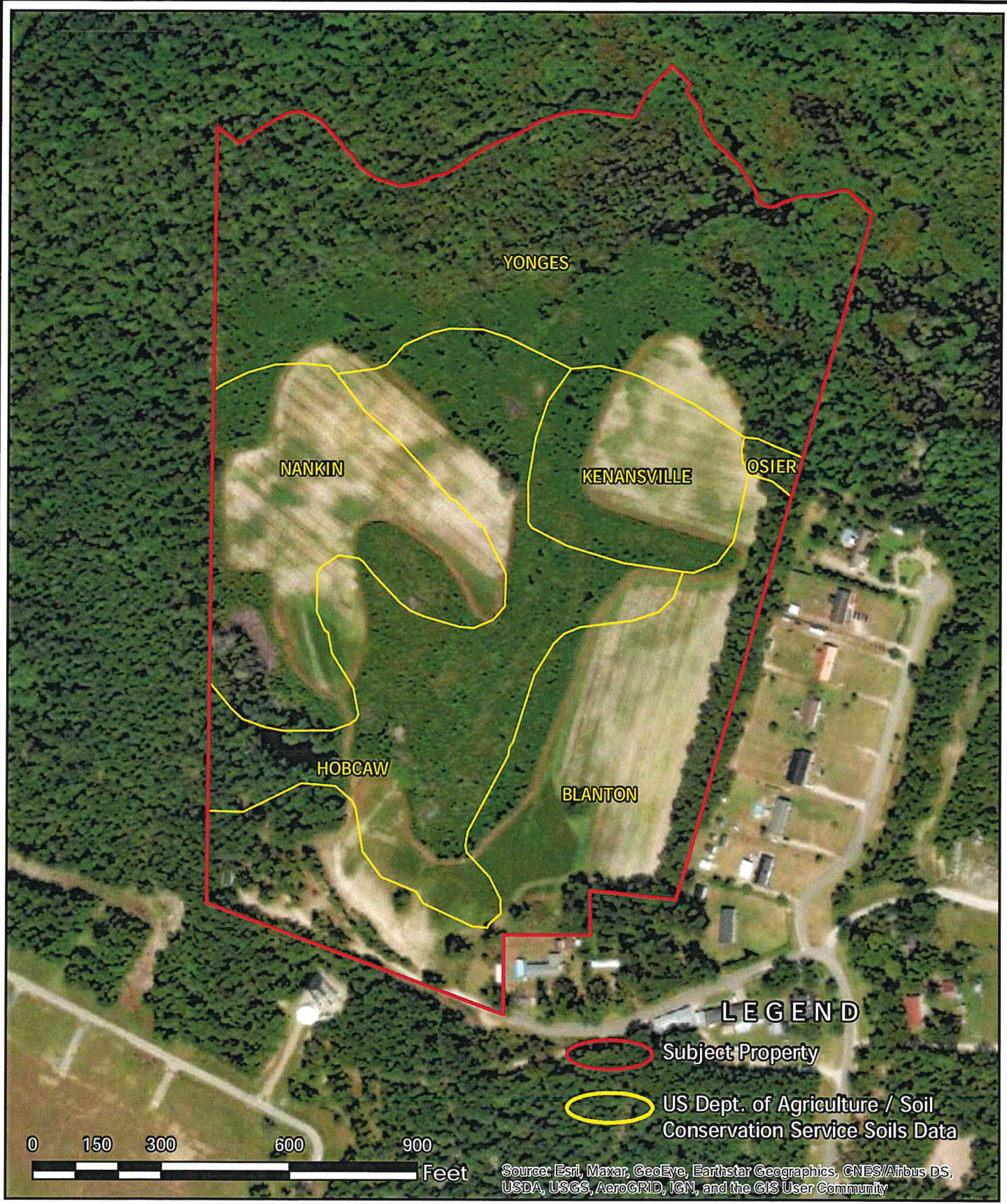


Exhibit 4 - USDA / SCS Soils Map  
 Chow Lane Tract  
 TMS# 084-00-02-018  
 Conway, Horry County, South Carolina  
 March 2022





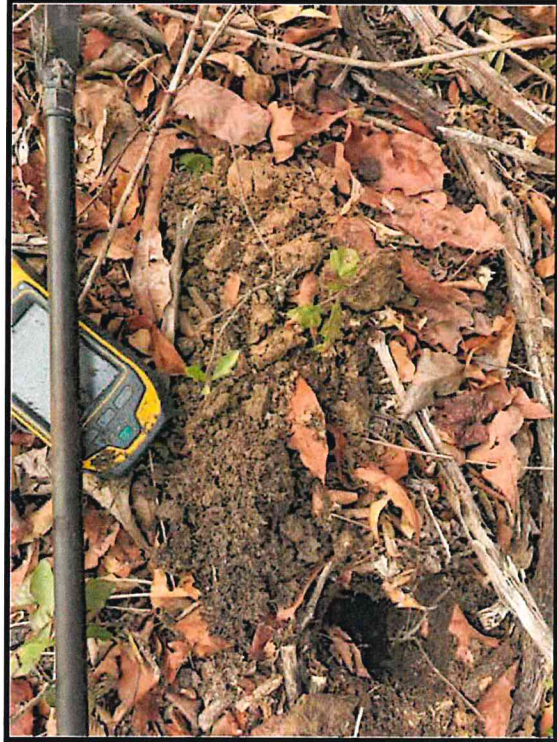


**TBC**  
THE BRIGMAN CO.

Exhibit 5 - USF&WS NWI Map  
Chow Lane Tract  
TMS# 084-00-02-018  
Conway, Horry County, South Carolina  
March 2022



1" = 300'



1 Non-hydric soil sample at Data Point 1.



2 Data Point 1 facing south.



3 Data Point 1 facing east.



4 Data Point 1 facing north towards the wetland area (pink flag) at Data Point 2.



Site Photographs  
Tract  
County, South Carolina

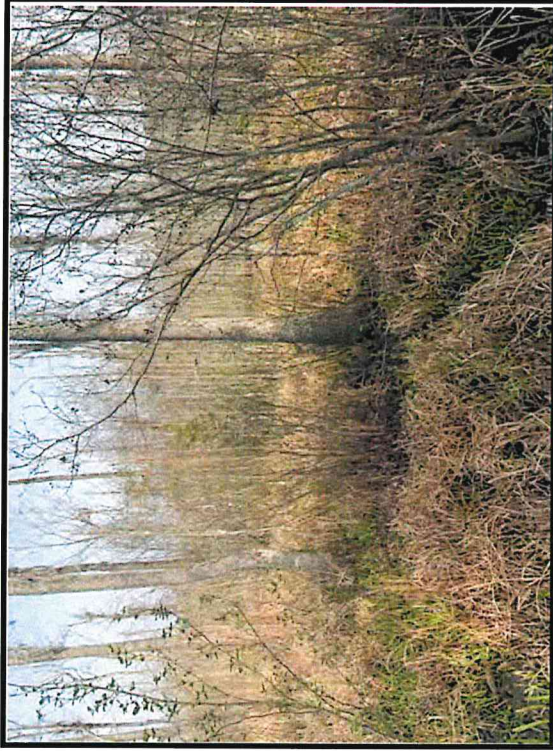
Project No.: 02178-22072

Taken by: CO

Date Taken: 3/23/22



5 Hydric soil sample at Data Point 2. Soils were saturated to the surface.



6 Data Point 2 facing north.



7 Data Point 2 facing west.



8 Data Point 2 facing south towards the upland area (pink flag) at Data Point 1.



**TBC**  
THE BRIGMAN CO.

Site Photographs  
Tract  
County, South Carolina

Project No.: 02178-22072

Taken by: CO

Date Taken: 3/23/22

**WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region**

**Project/Site:** Chow Lane Tract **City/County:** Conway/Horry **Sampling Date:** 30-Mar-22  
**Applicant/Owner:** Larry W. Paul Family, LLC **State:** SC **Sampling Point:** DP1  
**Investigator(s):** Charles Oates (The Brigman Company) **Section, Township, Range:** S T R  
**Landform (hillslope, terrace, etc.):** Upland **Local relief (concave, convex, none):** undulating **Slope:** 2.0 % / 1.1 °  
**Subregion (LRR or MLRA):** LRR T **Lat.:** 33.9542 **Long.:** -789.0072 **Datum:** NAD83  
**Soil Map Unit Name:** USDA / SCS has the soils mapped as Kenansville **NWI classification:** PFO1C mapped

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

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

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input type="radio"/> No <input checked="" type="radio"/>
Remarks:	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> Primary Indicators (minimum of one required; check all that apply) <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;"><input type="checkbox"/> Surface Water (A1)</td> <td style="width:50%; border: none;"><input type="checkbox"/> Aquatic Fauna (B13)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> High Water Table (A2)</td> <td style="border: none;"><input type="checkbox"/> Marl Deposits (B15) (LRR U)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Saturation (A3)</td> <td style="border: none;"><input type="checkbox"/> Hydrogen Sulfide Odor (C1)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Water Marks (B1)</td> <td style="border: none;"><input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Sediment Deposits (B2)</td> <td style="border: none;"><input type="checkbox"/> Presence of Reduced Iron (C4)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Drift Deposits (B3)</td> <td style="border: none;"><input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Algal Mat or Crust (B4)</td> <td style="border: none;"><input type="checkbox"/> Thin Muck Surface (C7)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Iron Deposits (B5)</td> <td style="border: none;"><input type="checkbox"/> Other (Explain in Remarks)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)</td> <td></td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> Water-Stained Leaves (B9)</td> <td></td> </tr> </table>	<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Marl Deposits (B15) (LRR U)	<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		<input type="checkbox"/> Water-Stained Leaves (B9)		Secondary Indicators (minimum of 2 required) <table style="width:100%; border: none;"> <tr><td style="border: none;"><input type="checkbox"/> Surface Soil Cracks (B6)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Drainage Patterns (B10)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Moss Trim Lines (B16)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Dry Season Water Table (C2)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Crayfish Burrows (C8)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Geomorphic Position (D2)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Shallow Aquitard (D3)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> FAC-Neutral Test (D5)</td></tr> <tr><td style="border: none;"><input type="checkbox"/> Sphagnum moss (D8) (LRR T, U)</td></tr> </table>	<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Drainage Patterns (B10)	<input type="checkbox"/> Moss Trim Lines (B16)	<input type="checkbox"/> Dry Season Water Table (C2)	<input type="checkbox"/> Crayfish Burrows (C8)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	<input type="checkbox"/> Geomorphic Position (D2)	<input type="checkbox"/> Shallow Aquitard (D3)	<input type="checkbox"/> FAC-Neutral Test (D5)	<input type="checkbox"/> Sphagnum moss (D8) (LRR T, U)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Aquatic Fauna (B13)																															
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<input type="checkbox"/> Sphagnum moss (D8) (LRR T, U)																																
<b>Field Observations:</b> Surface Water Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Water Table Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____	<b>Wetland Hydrology Present?</b> Yes <input type="radio"/> No <input checked="" type="radio"/>																															
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:																																
Remarks: Primary and/or secondary indicators of hydrology were not present at this location.																																

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

Sampling Point: DP1

		Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status
<b>Tree Stratum</b> (Plot size: _____ )				
1.	_____	0	<input type="checkbox"/> 0.0%	_____
2.	_____	0	<input type="checkbox"/> 0.0%	_____
3.	_____	0	<input type="checkbox"/> 0.0%	_____
4.	_____	0	<input type="checkbox"/> 0.0%	_____
5.	_____	0	<input type="checkbox"/> 0.0%	_____
6.	_____	0	<input type="checkbox"/> 0.0%	_____
7.	_____	0	<input type="checkbox"/> 0.0%	_____
8.	_____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>		<u>0</u>	<b>= Total Cover</b>	
<b>Sapling or Sapling/Shrub Stratum</b> (Plot size: _____ )				
1.	_____	0	<input type="checkbox"/> 0.0%	_____
2.	_____	0	<input type="checkbox"/> 0.0%	_____
3.	_____	0	<input type="checkbox"/> 0.0%	_____
4.	_____	0	<input type="checkbox"/> 0.0%	_____
5.	_____	0	<input type="checkbox"/> 0.0%	_____
6.	_____	0	<input type="checkbox"/> 0.0%	_____
7.	_____	0	<input type="checkbox"/> 0.0%	_____
8.	_____	0	<input type="checkbox"/> 0.0%	_____
50% of Total Cover: <u>0</u> 20% of Total Cover: <u>0</u>		<u>0</u>	<b>= Total Cover</b>	
<b>Shrub Stratum</b> (Plot size: <u>30'</u> )				
1.	<u>Quercus alba</u>	<u>30</u>	<input checked="" type="checkbox"/> <u>42.9%</u>	<u>FACU</u>
2.	<u>Carya tomentosa</u>	<u>20</u>	<input checked="" type="checkbox"/> <u>28.6%</u>	<u>UPL</u>
3.	<u>Prunus serotina</u>	<u>20</u>	<input checked="" type="checkbox"/> <u>28.6%</u>	<u>FACU</u>
4.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
5.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
6.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
50% of Total Cover: <u>35</u> 20% of Total Cover: <u>14</u>		<u>70</u>	<b>= Total Cover</b>	
<b>Herb Stratum</b> (Plot size: <u>30'</u> )				
1.	<u>Rubus argutus</u>	<u>70</u>	<input checked="" type="checkbox"/> <u>77.8%</u>	<u>FAC</u>
2.	<u>Pteridium aquilinum</u>	<u>20</u>	<input checked="" type="checkbox"/> <u>22.2%</u>	<u>FACU</u>
3.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
4.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
5.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
6.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
7.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
8.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
9.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
10.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
11.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
12.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
50% of Total Cover: <u>45</u> 20% of Total Cover: <u>18</u>		<u>90</u>	<b>= Total Cover</b>	
<b>Woody Vine Stratum</b> (Plot size: <u>30'</u> )				
1.	<u>Vitis rotundifolia</u>	<u>30</u>	<input checked="" type="checkbox"/> <u>60.0%</u>	<u>FAC</u>
2.	<u>Gelsemium sempervirens</u>	<u>20</u>	<input checked="" type="checkbox"/> <u>40.0%</u>	<u>FAC</u>
3.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
4.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
5.	_____	<u>0</u>	<input type="checkbox"/> <u>0.0%</u>	_____
50% of Total Cover: <u>25</u> 20% of Total Cover: <u>10</u>		<u>50</u>	<b>= Total Cover</b>	

**Dominance Test worksheet:**

Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 42.9% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species	<u>0</u> x <u>1</u> = <u>0</u>
FACW species	<u>0</u> x <u>2</u> = <u>0</u>
FAC species	<u>120</u> x <u>3</u> = <u>360</u>
FACU species	<u>70</u> x <u>4</u> = <u>280</u>
UPL species	<u>20</u> x <u>5</u> = <u>100</u>
<b>Column Totals:</b>	<u>210</u> (A) <u>740</u> (B)

Prevalence Index = B/A = 3.524

- Hydrophytic Vegetation Indicators:**
- 1 - Rapid Test for Hydrophytic Vegetation
  - 2 - Dominance Test is > 50%
  - 3 - Prevalence Index is ≤3.0<sup>1</sup>
  - Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)
- <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definition of Vegetation Strata:**

Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1m) tall.

Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine - All woody vines, regardless of height.

**Hydrophytic Vegetation Present?**    Yes     No

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

\*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

**SOIL**

Sampling Point: DP1

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 <sup>1</sup>	Loc <sup>2</sup>		
0-6	10YR	5/2	100				Sand	
6-25	10YR	7/3	100				Sand	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains <sup>2</sup>Location: PL=Pore Lining, M=Matrix

**Hydric Soil Indicators:**

- Histosol (A1)
- Histic Epipedon (A2)
- 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 P, T)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) (MLRA 150A)
- Sandy Muck 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) (LRR S, T, U)
- Thin Dark Surface (S9) (LRR S, T, U)
- Loamy Mucky Mineral (F1) (LRR O)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) (LRR U)
- Depleted Ochric (F11) (MLRA 151)
- Iron-Manganese Masses (F12) (LRR O, P, T)
- Umbric Surface (F13) (LRR P, T, U)
- Delta Ochric (F17) (MLRA 151)
- Reduced Vertic (F18) (MLRA 150A, 150B)
- Piedmont Floodplain Soils (F19) (MLRA 149A)
- Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) (LRR O)
- 2 cm Muck (A10) (LRR S)
- Reduced Vertic (F18) (outside MLRA 150A,B)
- Piedmont Floodplain Soils (F19) (LRR P, S, T)
- Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

<sup>3</sup>Indicators 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:**

Hydric soil criteria was not met at this location.

**WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region**

**Project/Site:** Chow Lane Tract      **City/County:** Conway/Horry      **Sampling Date:** 30-Mar-22  
**Applicant/Owner:** Larry W. Paul Family, LLC      **State:** SC      **Sampling Point:** DP2  
**Investigator(s):** Charles Oates (The Brigman Company)      **Section, Township, Range:** S      T      R  
**Landform (hillslope, terrace, etc.):** Flat      **Local relief (concave, convex, none):** none      **Slope:** 0.0 % / 0.0 °  
**Subregion (LRR or MLRA):** LRR T      **Lat.:** 33.9544      **Long.:** -789.0071      **Datum:** NAD83  
**Soil Map Unit Name:** USDA / SCS has the soils mapped as Yonges      **NWI classification:** PFO1F mapped

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

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

Hydrophytic Vegetation Present?      Yes <input checked="" type="radio"/> No <input type="radio"/> Hydric Soil Present?      Yes <input checked="" type="radio"/> No <input type="radio"/> Wetland Hydrology Present?      Yes <input checked="" type="radio"/> No <input type="radio"/>	<b>Is the Sampled Area within a Wetland?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>
Remarks:	

**HYDROLOGY**

<b>Wetland Hydrology Indicators:</b> <u>Primary Indicators (minimum of one required; check all that apply)</u> <input checked="" type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Marl Deposits (B15) (LRR U) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input checked="" type="checkbox"/> Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of 2 required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input checked="" type="checkbox"/> FAC-Neutral Test (D5) <input checked="" type="checkbox"/> Sphagnum moss (D8) (LRR T, U)
<b>Field Observations:</b> Surface Water Present?      Yes <input checked="" type="radio"/> No <input type="radio"/> Depth (inches): <u>24</u> Water Table Present?      Yes <input checked="" type="radio"/> No <input type="radio"/> Depth (inches): <u>0</u> Saturation Present?      Yes <input checked="" type="radio"/> No <input type="radio"/> Depth (inches): <u>0</u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <input checked="" type="radio"/> No <input type="radio"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks: Hydrological indicators were present at this location. Soils were saturated to the surface.	

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

Sampling Point: DP2

		Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status
<b>Tree Stratum</b> (Plot size: <u>30'</u> )				
1.	<u>Nyssa aquatica</u>	30	<input checked="" type="checkbox"/> 60.0%	OBL
2.	<u>Acer rubrum</u>	20	<input checked="" type="checkbox"/> 40.0%	FAC
3.		0	<input type="checkbox"/> 0.0%	
4.		0	<input type="checkbox"/> 0.0%	
5.		0	<input type="checkbox"/> 0.0%	
6.		0	<input type="checkbox"/> 0.0%	
7.		0	<input type="checkbox"/> 0.0%	
8.		0	<input type="checkbox"/> 0.0%	
50% of Total Cover: <u>25</u> 20% of Total Cover: <u>10</u>		<u>50</u>	<b>= Total Cover</b>	
<b>Sapling or Sapling/Shrub Stratum</b> (Plot size: <u>30'</u> )				
1.	<u>Acer rubrum</u>	20	<input checked="" type="checkbox"/> 100.0%	FAC
2.		0	<input type="checkbox"/> 0.0%	
3.		0	<input type="checkbox"/> 0.0%	
4.		0	<input type="checkbox"/> 0.0%	
5.		0	<input type="checkbox"/> 0.0%	
6.		0	<input type="checkbox"/> 0.0%	
7.		0	<input type="checkbox"/> 0.0%	
8.		0	<input type="checkbox"/> 0.0%	
50% of Total Cover: <u>10</u> 20% of Total Cover: <u>4</u>		<u>20</u>	<b>= Total Cover</b>	
<b>Shrub Stratum</b> (Plot size: <u>30'</u> )				
1.	<u>Morella cerifera</u>	30	<input checked="" type="checkbox"/> 100.0%	FAC
2.		0	<input type="checkbox"/> 0.0%	
3.		0	<input type="checkbox"/> 0.0%	
4.		0	<input type="checkbox"/> 0.0%	
5.		0	<input type="checkbox"/> 0.0%	
6.		0	<input type="checkbox"/> 0.0%	
50% of Total Cover: <u>15</u> 20% of Total Cover: <u>6</u>		<u>30</u>	<b>= Total Cover</b>	
<b>Herb Stratum</b> (Plot size: <u>30'</u> )				
1.	<u>Typha latifolia</u>	40	<input checked="" type="checkbox"/> 50.0%	OBL
2.	<u>Osmunda cinnamomea</u>	20	<input checked="" type="checkbox"/> 25.0%	FACW
3.	<u>Woodwardia areolata</u>	20	<input checked="" type="checkbox"/> 25.0%	OBL
4.		0	<input type="checkbox"/> 0.0%	
5.		0	<input type="checkbox"/> 0.0%	
6.		0	<input type="checkbox"/> 0.0%	
7.		0	<input type="checkbox"/> 0.0%	
8.		0	<input type="checkbox"/> 0.0%	
9.		0	<input type="checkbox"/> 0.0%	
10.		0	<input type="checkbox"/> 0.0%	
11.		0	<input type="checkbox"/> 0.0%	
12.		0	<input type="checkbox"/> 0.0%	
50% of Total Cover: <u>40</u> 20% of Total Cover: <u>16</u>		<u>80</u>	<b>= Total Cover</b>	
<b>Woody Vine Stratum</b> (Plot size: <u>30'</u> )				
1.	<u>Smilax laurifolia</u>	30	<input checked="" type="checkbox"/> 100.0%	FACW
2.		0	<input type="checkbox"/> 0.0%	
3.		0	<input type="checkbox"/> 0.0%	
4.		0	<input type="checkbox"/> 0.0%	
5.		0	<input type="checkbox"/> 0.0%	
50% of Total Cover: <u>15</u> 20% of Total Cover: <u>6</u>		<u>30</u>	<b>= Total Cover</b>	

**Dominance Test worksheet:**

Number of Dominant Species That are OBL, FACW, or FAC: 8 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:	
OBL species <u>90</u>	x 1 =	<u>90</u>
FACW species <u>50</u>	x 2 =	<u>100</u>
FAC species <u>70</u>	x 3 =	<u>210</u>
FACU species <u>0</u>	x 4 =	<u>0</u>
UPL species <u>0</u>	x 5 =	<u>0</u>
<b>Column Totals:</b> <u>210</u> (A)		<u>400</u> (B)

Prevalence Index = B/A = 1.905

**Hydrophytic Vegetation Indicators:**

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is > 50%

3 - Prevalence Index is ≤ 3.0<sup>1</sup>

Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Definition of Vegetation Strata:**

Tree - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and 3 in. (7.6 cm) or larger in diameter at breast height (DBH).

Sapling - Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.

Sapling/Shrub - Woody plants, excluding vines, less than 3 in. DBH and greater than 3.28 ft (1m) tall.

Shrub - Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.

Herb - All herbaceous (non-woody) plants, including herbaceous vines, regardless of size, and woody plants, except woody vines, less than approximately 3 ft (1 m) in height.

Woody vine - All woody vines, regardless of height.

**Hydrophytic Vegetation Present?** Yes  No

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

\*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.



**SOIL**

Sampling Point: DP2

**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 <sup>1</sup>	Loc <sup>2</sup>			
0-10	10YR	2/1	100						Sand	saturated
10-25	10YR	5/1	90	10YR	6/4	10	C	M	Sand	saturated

<sup>1</sup>Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains    <sup>2</sup>Location: PL=Pore Lining. M=Matrix

**Hydric Soil Indicators:**

- Histosol (A1)
- Histic Epipedon (A2)
- 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 P, T)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Coast Prairie Redox (A16) (MLRA 150A)
- Sandy Muck 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) (LRR S, T, U)
- Thin Dark Surface (S9) (LRR S, T, U)
- Loamy Mucky Mineral (F1) (LRR O)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Marl (F10) (LRR U)
- Depleted Ochric (F11) (MLRA 151)
- Iron-Manganese Masses (F12) (LRR O, P, T)
- Umbric Surface (F13) (LRR P, T, U)
- Delta Ochric (F17) (MLRA 151)
- Reduced Vertic (F18) (MLRA 150A, 150B)
- Piedmont Floodplain Soils (F19) (MLRA 149A)
- Anomalous Bright Loamy Soils (F20) (MLRA 149A, 153C, 153D)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- 1 cm Muck (A9) (LRR O)
- 2 cm Muck (A10) (LRR S)
- Reduced Vertic (F18) (outside MLRA 150A,B)
- Piedmont Floodplain Soils (F19) (LRR P, S, T)
- Anomalous Bright Loamy Soils (F20) (MLRA 153B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

<sup>3</sup>Indicators 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:**

Hydric soil criteria was met at this location.