



January 25, 2022

US Army Corps of Engineers
ATTN: CESAS-RD-P
Best Road, Suite 140
College Park, Georgia 30337-5600

Reference: **Preliminary Jurisdictional Determination Request**
Alpharetta Parcel at Charlotte Drive
Alpharetta, Fulton County, Georgia
S&ME Project No. 21680007

To Whom it May Concern:

S&ME, Inc. (S&ME), herewith submits this Preliminary Jurisdictional Determination (PJD) Request on an approximate 35-acre parcel located at Charlotte Drive just north of Rucker Road in Alpharetta, Georgia (Exhibit 1). Four wetlands and six non-wetlands waters were observed on the site.

The site is a former farm with pastures and forested areas. The site is identified as Fulton County Tax Parcel Number 22 434012450230 totaling 35 acres. The parcel is owned by the Estate of Carroll Byers c/o Mr. John Smith, the individual requesting the PJD. The site is proposed to be developed in the future; however, no specific site development plans are available.

Preliminary Jurisdictional Assessment

The field reconnaissance was conducted on January 3, 2022. The site had received approximately 1.57 inches of rainfall 48 hours prior to the start of field activities. The site reconnaissance was performed by S&ME Scientists Ronald Walker and Trevor DeLaere. Following review of the supporting information described above, the site evaluation began on the south section at the pond and proceeded from south to north.

Wetland 1 has developed within a drainage feature within the northcentral portion of the site. Within Wetland 1, Non-Wetland Waters 1 flows within a channel before dissipating within Wetland 1. Non-Wetland Waters 2 is an ephemeral channel that conveys flow from Wetland 1 to Non-Wetland Waters 3. Non-Wetland Waters 2 transitions to a perennial stream (Non-Wetland Waters 3). Non-Wetland Waters 3 flows through Wetland 2 until it discharges into the ponded waters of Non-Wetland Waters 6. Wetland 2 has developed abutting Non-Wetland Waters 3 and 6. Non-Wetland Waters 6 has formed behind a shallow berm. Non-Wetland Waters 4 and 5 and Wetland 3 have formed below the berm, along the southern property line.

Wetland 4 has developed within a wide swale along the east property line.

All site streams had channels with a bed and bank system and defined ordinary high-water mark. Non-Wetland Waters 2 lacked hydric soil indicators and as such would be considered an ephemeral channel and would not be subject to the 25-foot buffer requirement. The remaining waters were all perennial and would be subject to the



25-foot buffer requirements. All site wetlands had an observable presence of hydrophytic vegetation, hydric soil indicators and wetland hydrology.

The jurisdictional features are summarized in Tables 1 and 2:

Table 1 –Wetlands

Feature ID	Area - Acre
Wetland 1	0.229
Wetland 2	0.515
Wetland 3	0.002
Wetland 4	0.150
Total Approximate Wetland Area	0.896

Table 2 –Non-Wetland Waters

Feature ID	Linear Feet	Area-Acre	Flow Status
Non-Wetland Waters 1	80	0.005	Perennial
Non-Wetland Waters 2	105	0.004	Ephemeral
Non-Wetland Waters 3	535	0.036	Perennial
Non-Wetland Waters 4	22	0.001	Perennial
Non-Wetland Waters 5	20	0.001	Perennial
Total Approximate Tributaries	762	0.179	

Non-Wetland Waters 6 a pond (0.684 acre) was also delineated on site.

Please find attached:

- SAS Appendix 1 - Request for Corps of Engineers Jurisdictional Determination
- Appendix 2 – Preliminary Jurisdictional Determination Form
Exhibits depicting the Site Location Map (Exhibit 1), Site Topographic Map (Exhibit 2), Aerial Imagery (Exhibit 3), Natural Resources Conservation Service (NRCS) Soil Associations (Exhibit 4), US Fish and Wildlife Service (USFWS) NWI Mapped Features (Exhibit 5), Site Photographs and Photograph Index (Exhibit 6)
- One Wetland Data Form and One Upland Data Form



Preliminary Jurisdictional Determination Request
Alpharetta Parcel at Charlotte Drive
Alpharetta, Fulton County, Georgia
S&ME Project No. 21680007

Should you need additional information, please contact Ronald Walker at 864-297-9944.

Sincerely,

S&ME, Inc.

A handwritten signature in black ink that reads "Ronald Walker".

Ronald Walker
Project Scientist/Project Manager

A handwritten signature in black ink that reads "Mark Augspurger".

Mark Augspurger
Senior Review/Senior Scientist

Attachments



US Army Corps
of Engineers
Savannah District

SAS APPENDIX 1: Request for Corps of Engineers Jurisdictional Determination (JD) and/or Delineation Review

I. Reason for request: (check as many as applicable)

- I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
- I intend to construct/develop a project or perform activities on this parcel 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 parcel which may require authorization from the Corps, and the JD 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 parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD 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 included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
- A Corps JD is required in order to obtain my local/state authorization.
- I intend to contest jurisdiction over a particular aquatic resource and request the Corps 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: _____

II. I am requesting that the U.S. Army Corps of Engineers, Savannah District, provide me with the following:

- Delineation Review of Aquatic Resources** - Concurrence with an aquatic resource delineation is a written notification from the Corps concurring, not concurring, or commenting on the aquatic resource boundaries, or limits, delineated on a property.
- Preliminary Jurisdictional Determination** - (PJD). A PJD is defined in Corps regulations at 33 CFR 331.2, as "written indications that there may be waters of the United States on a parcel". When the Corps provides a PJD, the Corps is making no legally binding determination of any type regarding whether jurisdiction exists over the particular aquatic resource in question.
- Approved Jurisdictional Determination** - (AJD) An AJD is defined in Corps regulations at 33 CFR 331.2. A definitive, official determination that there are, or that there are not, jurisdictional aquatic resources on a parcel.
- I am unclear as to what I would like to request and require additional information to inform my decision.

III. Property/Owner Information. Please complete **ALL** of the following information for the property under review:

SECTION 1

Parcel Number of Property: 22 434012450230		
Lat. 34.079178	Long. - 84.328069	(in decimal degrees)
Parcel Address: Charlotte Drive		
Parcel City : Alpharetta	Parcel County: Fulton	Zip: 30004
Size of Review Area: 35	Acre(s)	Linear feet

SECTION 2

LANDOWNER NAME		AUTHORIZED AGENT'S NAME	
First: The Estate of Carroll Byers c/o John	Last: Smith	First: Ronald	Last: Walker
Company: Smith Accounting Services, LLC	Email Address: john.smithAcpa.com	Company: S&ME Inc	Email Address: rwalker@smeinc.com
Address: 241 Lake Forrest Lane	City: Atlanta	Address: 48 Brookfield Oaks, Suite F	City: Greenville
State: GA	Zip: 30342	State: SC	Zip: 29607
Phone: 404.481.5067		Phone: 864.590.3569	

PROPERTY ACCESS PERMISSION, AKNOWLEDGEMENT OF 18 U.S.C. SECTION 1001 AND STATEMENT OF AGENT AUTHORIZATION

Initial ONLY One:

By signing below, I certify that I am the owner of record of the property referenced in III, Section 1 above, and I hereby authorize representatives of the U.S. Army Corps of Engineers, Savannah District, to enter the property for purposes of conducting on-site inspections, and issuing an aquatic resource delineation concurrence and/or a jurisdictional determination. My signature shall also be an affirmation that I possess the requisite property rights to request a delineation review and/or a jurisdictional determination on the property referenced in III - Section 1. Further, I authorize the agent in III - Section 2, to act on my behalf in the processing of this request and to furnish supplemental information in support of this request.

By signing below, I certify that I am acting as the duly authorized agent of the owner of record of the property referenced in III, Section 1 above, and have been given the authority to: 1) request a delineation review and/or a jurisdictional determination (JD) on the property referenced in III - Section 1, and 2) authorize representatives of the U.S. Army Corps of Engineers, Savannah District, to enter the property for purposes of conducting on-site inspections, and issuing an aquatic resource delineation concurrence and/or a jurisdictional determination. I understand that I may be required to provide documentary evidence of my authority to request a delineation review and/or JD, and/or to grant Corps of Engineers personnel access to the property.

Please Print Name Legibly: _____

Signature _____

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.

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 AJD cannot be evaluated nor can an AJD be issued.

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD:

B. NAME AND ADDRESS OF PERSON REQUESTING PJD: John Smith, 241 Lake Forrest Lane, Atlanta, GA

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

CORPS USE ONLY - FILE NUMBER ASSIGNED BY CORPS OFFICE

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)

State: GEORGIA County/parish/borough: Fulton City: Alpharetta

Center coordinates of site (lat/long in degree decimal format):

Lat.: xx.xxx° Long.: yy.yyy° 34.07178/-84.328269

Universal Transverse Mercator: 16S 746531 37741

Name of nearest waterbody: Foe Killer Creek

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date:

Field Determination. Date(s): 01/3/2022

TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO REGULATORY JURISDICTION.

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
1	34.0801232	-84.328925	80 LF / 0.006 Acre	Non-Wetland Waters	Section 404
2	34.079506	-84.328925	105 LF / 0.007 Acre	Non-Wetland Waters	Section 404
3	34.078644	-84.328468	535 LF / 0.037 Acre	Non-Wetland Waters	Section 404
4	34.077414	-84.327977	22 LF / 0.001 Acre	Non-Wetland Waters	Section 404
5	34.077421	-84.328037	20 LF / 0.001 Acre	Non-Wetland Waters	Section 404
6	34.077742	-84.329233	0.684 Acre	Non-Wetland Waters	Section 404

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
7	34.079998	-84.328569	0.229Acre	Wetland 1	Section 404
8	34.078847	-84.328569	0.515 Acre	Wetland 2	Section 404
9	34.077404	-84.328087	0.002 Acre	Wetland 3	Section 404
10	34.079309	-84.326699	0.150 Acre	Wetland 4	Section 404

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "may be" waters of the U.S. and/or that there "may be" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:
Map: Location, Topographic, Aerial Imagery, NRCS Soil, NWI Map
- Data sheets prepared/submitted by or on behalf of the PJD requestor.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report. Rationale: _____.
- Data sheets prepared by the Corps: _____.
- Corps navigable waters' study: _____.
- U.S. Geological Survey Hydrologic Atlas: _____.
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Roswell, GA
- Natural Resources Conservation Service Soil Survey. Citation: Fulton County, 9/10/2021
- National wetlands inventory map(s). Cite name: USFWS Wetland Mapper Website
- State/local wetland inventory map(s): _____.
- FEMA/FIRM maps: _____.
- 100-year Floodplain Elevation is: _____. (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): ESRI World Imagery 2020
or Other (Name & Date): S&M\$ Site Photographs 1/3/2022
- Previous determination(s). File no. and date of response letter: _____.
- Other information (please specify): _____.

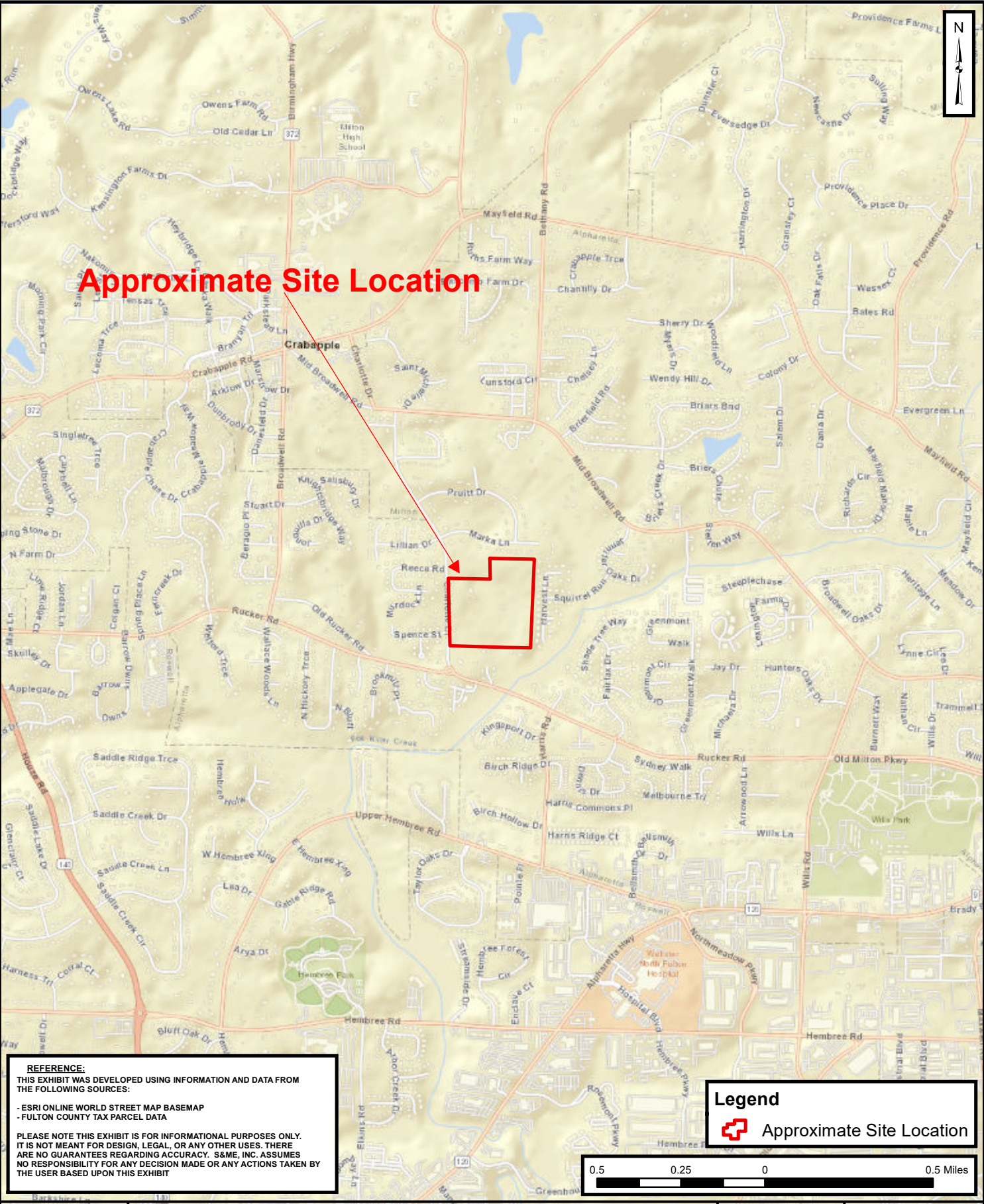
IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of
Regulatory staff member
completing PJD

Signature and date of
person requesting PJD
(REQUIRED, unless obtaining
the signature is impracticable)¹

¹ Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

Drawing Path: E:\GIS Projects\21680007 Alpharetta\Exhibits\Exhibit 1 Location.mxd plotted by RWalker 01-24-2022




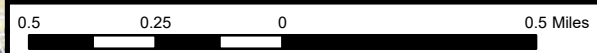
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- ESRI ONLINE WORLD STREET MAP BASEMAP
- FULTON COUNTY TAX PARCEL DATA

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Legend

 Approximate Site Location



Site Location Map

Alpharetta Parcel At Charlotte Drive PJD Request
 Estate of Carroll Byers
 Alpharetta, Fulton County, Georgia

Scale:
 1" = 2,000'
 Date:
 1/21/2022
 Project Number
 21680007

Exhibit No.
1




REFERENCE:

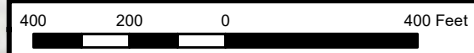
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- USGS TOPO QUAD - ROSWELL, GA
- FULTON COUNTY TAX PARCEL DATA

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Legend

 Approximate Site Location



Drawing Path: E:\GIS Projects\21680007 Alpharetta\Exhibits\Exhibit 2 Topo.mxd plotted by RWalker 01-24-2022



Site Topographic Map

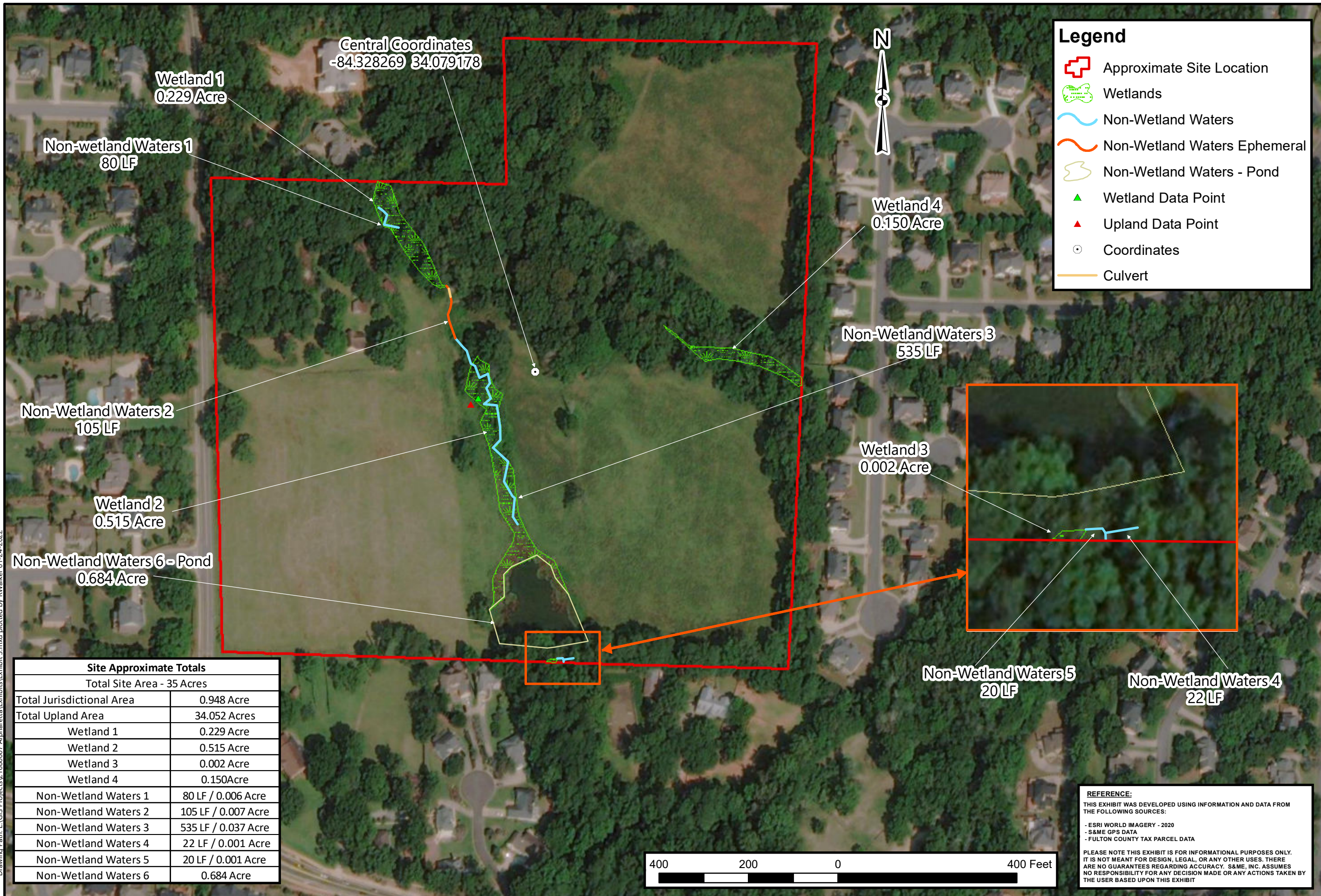
Alpharetta Parcel At Charlotte Drive PJD Request
Estate of Carroll Byers
Alpharetta, Fulton County, Georgia

Scale:
1" = 400'
Date:
1/21/2022
Project Number
21680007

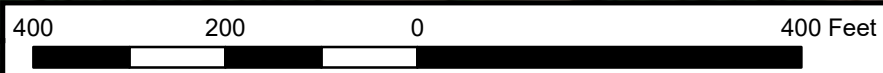
Exhibit No.

2

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Site Approximate Totals	
Total Site Area - 35 Acres	
Total Jurisdictional Area	0.948 Acre
Total Upland Area	34.052 Acres
Wetland 1	0.229 Acre
Wetland 2	0.515 Acre
Wetland 3	0.002 Acre
Wetland 4	0.150 Acre
Non-Wetland Waters 1	80 LF / 0.006 Acre
Non-Wetland Waters 2	105 LF / 0.007 Acre
Non-Wetland Waters 3	535 LF / 0.037 Acre
Non-Wetland Waters 4	22 LF / 0.001 Acre
Non-Wetland Waters 5	20 LF / 0.001 Acre
Non-Wetland Waters 6	0.684 Acre



REFERENCE:
THIS EXHIBIT WAS DEVELOPED USING INFORMATION AND DATA FROM THE FOLLOWING SOURCES:
- ESRI WORLD IMAGERY - 2020
- S&ME GPS DATA
- FULTON COUNTY TAX PARCEL DATA

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Aerial Imagery

Alpharetta Parcel At Charlotte Drive PJD Request
Estate of Carroll Byers
Alpharetta, Fulton County, Georgia

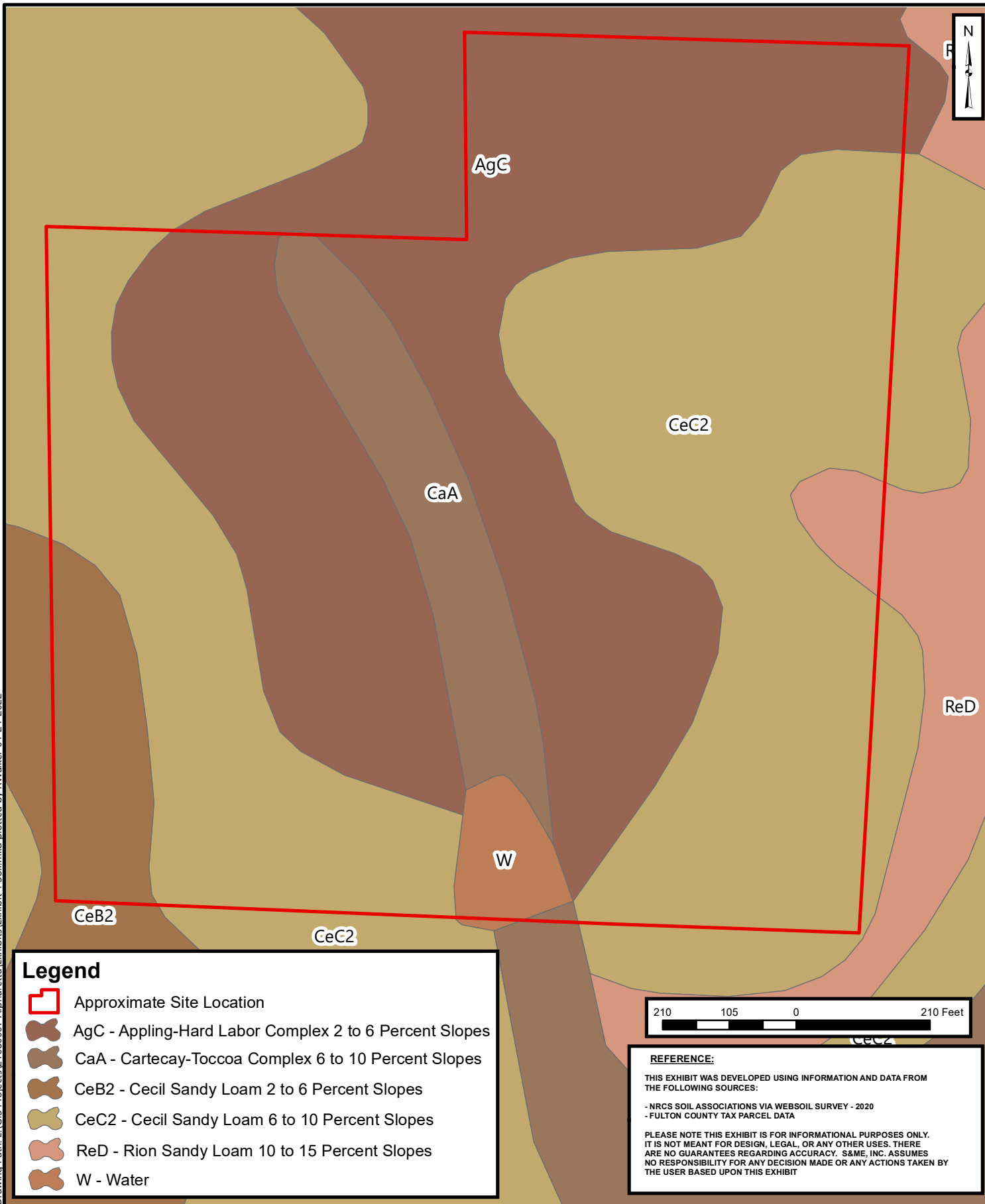
SCALE:
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DATE:
1/21/2022

PROJECT NUMBER
21680007

EXHIBIT NO.
3

Drawing Path: E:\GIS Projects\21680007 Alpharetta\Exhibits\Exhibit 4 Soil.mxd plotted by RWalker 01-24-2022



Legend

- Approximate Site Location
- AgC - Appling-Hard Labor Complex 2 to 6 Percent Slopes
- CaA - Cartecay-Toccoa Complex 6 to 10 Percent Slopes
- CeB2 - Cecil Sandy Loam 2 to 6 Percent Slopes
- CeC2 - Cecil Sandy Loam 6 to 10 Percent Slopes
- ReD - Rion Sandy Loam 10 to 15 Percent Slopes
- W - Water



REFERENCE:

THIS EXHIBIT WAS DEVELOPED USING INFORMATION AND DATA FROM THE FOLLOWING SOURCES:

- NRCS SOIL ASSOCIATIONS VIA WEBSOIL SURVEY - 2020
- FULTON COUNTY TAX PARCEL DATA

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NRCS Soil Associations

Alpharetta Parcel At Charlotte Drive PJD Request
Estate of Carroll Byers
Alpharetta, Fulton County, Georgia

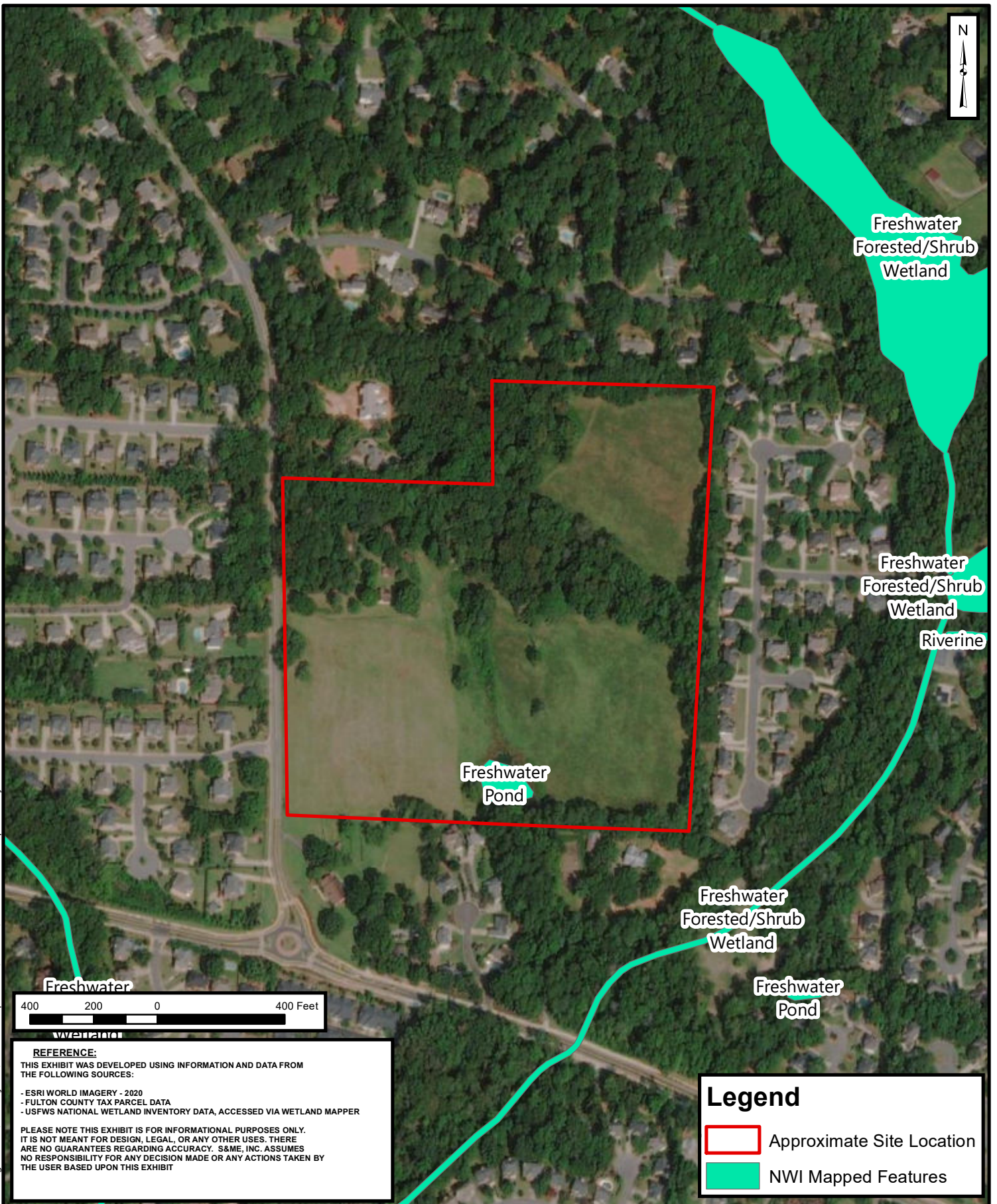
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Date:
1/21/2022

Project Number
21680007

Exhibit No.
4

Drawing Path: E:\GIS Projects\21680007 Alpharetta\Exhibits\Exhibit 5 NWI.mxd plotted by RWalker 01-24-2022



REFERENCE:
 THIS EXHIBIT WAS DEVELOPED USING INFORMATION AND DATA FROM THE FOLLOWING SOURCES:

- ESRI WORLD IMAGERY - 2020
- FULTON COUNTY TAX PARCEL DATA
- USFWS NATIONAL WETLAND INVENTORY DATA, ACCESSED VIA WETLAND MAPPER

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Legend

- Approximate Site Location
- NWI Mapped Features

	USFWS NWI Mapped Features	Scale: 1" = 400'	Exhibit No.
	Alpharetta Parcel At Charlotte Drive PJD Request Estate of Carroll Byers	Date: 1/21/2022	5
	Alpharetta, Fulton County, Georgia	Project Number 21680007	



1 Non-Wetland Waters 5 and Wetland 3



2 Non-Wetland Waters 4



3 Non-Wetland Waters 6 and Wetland 2



4 Non-Wetland Waters 6



5 Non-Wetland Waters 6



6 Wetland 2 and Non-Wetland Waters 3



7 Start of Non-Wetland Waters 1 Within Wetland 1 Area



8 Non-Wetland Waters 1 Within Wetland 1 Area



9 Non-Wetland Waters 2 Ephemeral



10 Non-Wetland Waters 2 Ephemeral



11 Wetland 2 Wetland Data Point Hydric Soils



12 Wetland 2 Upland Data Point Upland Soils



13 Wetland 2 Data Point Area



14 Wetland 2 and Adjacent Upland Area



15 Wetland 2



16 Wetland 4



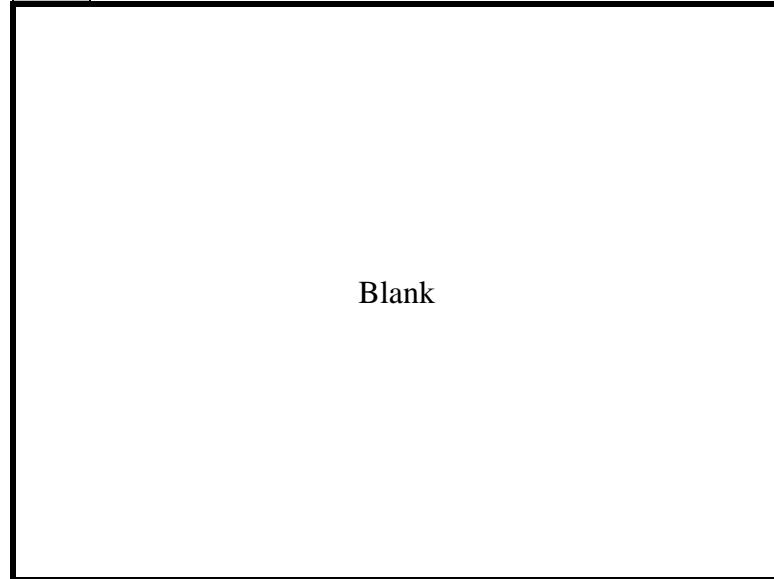
17 Wetland 4



18 Start of Wetland 4

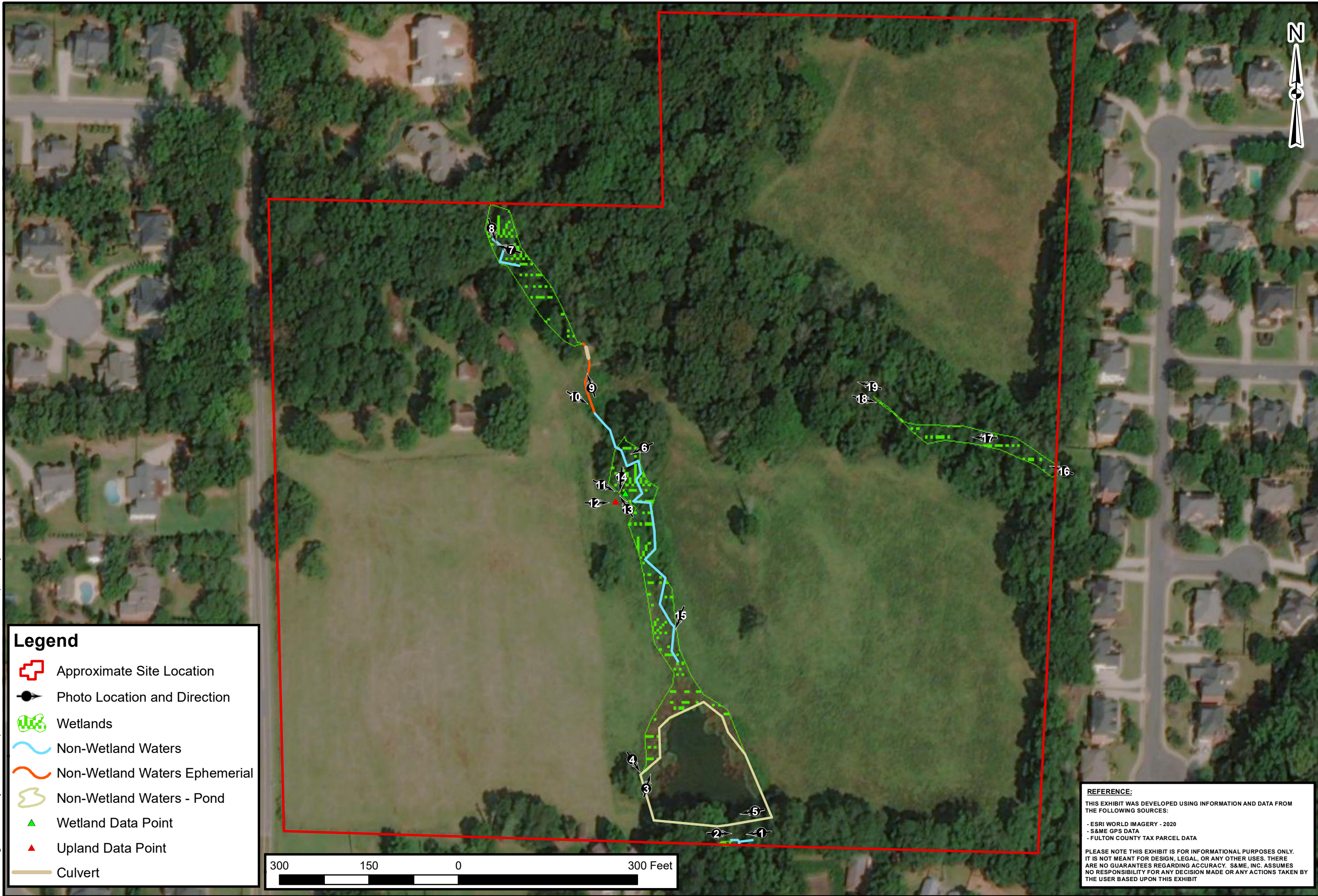


19 Area Above Wetland 4












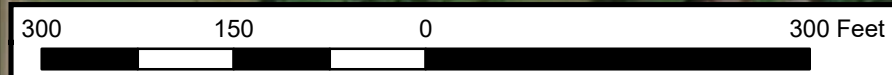
20

Drawing Path: E:\GIS Projects\21680007 Alpharetta\Exhibits\Exhibit 6 Photo Index.mxd plotted by RWalker 01-24-2022



Legend

-  Approximate Site Location
-  Photo Location and Direction
-  Wetlands
-  Non-Wetland Waters
-  Non-Wetland Waters Ephemeral
-  Non-Wetland Waters - Pond
-  Wetland Data Point
-  Upland Data Point
-  Culvert



REFERENCE:
 THIS EXHIBIT WAS DEVELOPED USING INFORMATION AND DATA FROM THE FOLLOWING SOURCES:
 - ESRI WORLD IMAGERY - 2020
 - S&ME GPS DATA
 - FULTON COUNTY TAX PARCEL DATA

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Photograph Index

Alpharetta Parcel At Charlotte Drive PJD Request
 Estate of Carroll Byers
 Alpharetta, Fulton County, Georgia

SCALE:
1" = 150'

DATE:
1/24/2022

PROJECT NUMBER
21680007

EXHIBIT NO.

6

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R	Requirement Control Symbol EXEMPT (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: Alpharetta Parcel At Charlotte Drive City/County: Alpharetta / Georgia Sampling Date: 1/3/2022
 Applicant/Owner: Estate of Carroll Byers State: GA Sampling Point: Wetland
 Investigator(s): Ronald Walker Section, Township, Range: _____
 Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): concave Slope (%): 1
 Subregion (LRR or MLRA): LRR P, MLRA 136 Lat: 34.079007 Long: -84.328678 Datum: NAD 1983
 Soil Map Unit Name: Cartecay-Toccoa Complex NWI classification: PFO
 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 _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ___ Surface Water (A1) ___ True Aquatic Plants (B14) ___ High Water Table (A2) ___ Hydrogen Sulfide Odor (C1) <u>X</u> Saturation (A3) <u>X</u> Oxidized Rhizospheres on Living Roots (C3) ___ Water Marks (B1) ___ Presence of Reduced Iron (C4) ___ Sediment Deposits (B2) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Drift Deposits (B3) ___ Thin Muck Surface (C7) ___ Algal Mat or Crust (B4) ___ Other (Explain in Remarks) ___ Iron Deposits (B5) ___ Inundation Visible on Aerial Imagery (B7) ___ Water-Stained Leaves (B9) ___ Aquatic Fauna (B13)	<u>Secondary Indicators (minimum of two required)</u> ___ Surface Soil Cracks (B6) ___ Sparsely Vegetated Concave Surface (B8) ___ Drainage Patterns (B10) ___ Moss Trim Lines (B16) ___ Dry-Season Water Table (C2) ___ Crayfish Burrows (C8) ___ Saturation Visible on Aerial Imagery (C9) ___ Stunted or Stressed Plants (D1) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ Microtopographic Relief (D4) <u>X</u> FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>0</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 Saturated to the surface.

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>50</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Quercus phellos</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	<u>70</u> =Total Cover		
	50% of total cover: <u>35</u>	20% of total cover: <u>14</u>	

Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
	_____ =Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Herb Stratum (Plot size: <u>5'</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Juncus pylaei</u>	<u>20</u>	<u>Yes</u>	<u>OBL</u>
2. <u>Microstegium</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>
3. <u>Cyperus esculentus</u>	<u>10</u>	<u>Yes</u>	<u>FACW</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
	<u>40</u> =Total Cover		
	50% of total cover: <u>20</u>	20% of total cover: <u>8</u>	

Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	_____ =Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 5 (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>40</u>	x 1 = <u>40</u>
FACW species <u>10</u>	x 2 = <u>20</u>
FAC species <u>60</u>	x 3 = <u>180</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>110</u> (A)	<u>240</u> (B)
Prevalence Index = B/A = <u>2.18</u>	

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0¹

4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators 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 or equal to 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 No

Remarks: (Include photo numbers here or on a separate sheet.)

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		
0-3	10YR 3/2	100						
3-20	10YR 4/2	90	5YR 4/6	10	C	PL	Loamy/Clayey	Prominent redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10) (**LRR N**)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)

- Polyvalue Below Surface (S8) (**MLRA 147, 148**)
- Thin Dark Surface (S9) (**MLRA 147, 148**)
- Loamy Mucky Mineral (F1) (**MLRA 136**)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Iron-Manganese Masses (F12) (**LRR N, MLRA 136**)
- Umbric Surface (F13) (**MLRA 122, 136**)
- Piedmont Floodplain Soils (F19) (**MLRA 148**)
- Red Parent Material (F21) (**MLRA 127, 147, 148**)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (**MLRA 147**)
- Coast Prairie Redox (A16) (**MLRA 147, 148**)
- Piedmont Floodplain Soils (F19) (**MLRA 136, 147**)
- Red Parent Material (F21) (**outside MLRA 127, 147, 148**)
- Very Shallow Dark Surface (F22)
- 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:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-07-24; the proponent agency is CECW-CO-R	<i>Requirement Control Symbol</i> EXEMPT <i>(Authority: AR 335-15, paragraph 5-2a)</i>
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Project/Site: Alpharetta Parcel At Charlotte Drive City/County: Alpharetta / Gerogia Sampling Date: 1/3/2022
 Applicant/Owner: Estate of Carroll Byers State: GA Sampling Point: Upland
 Investigator(s): Ronald Walker Section, Township, Range: _____
 Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): concave Slope (%): 1
 Subregion (LRR or MLRA): LRR P, MLRA 136 Lat: 34.078971 Long: -84.328735 Datum: NAD 1983
 Soil Map Unit Name: Appling-Hard Labor Complex 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 _____ Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ___ Surface Water (A1) ___ True Aquatic Plants (B14) ___ High Water Table (A2) ___ Hydrogen Sulfide Odor (C1) ___ Saturation (A3) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Water Marks (B1) ___ Presence of Reduced Iron (C4) ___ Sediment Deposits (B2) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Drift Deposits (B3) ___ Thin Muck Surface (C7) ___ Algal Mat or Crust (B4) ___ Other (Explain in Remarks) ___ Iron Deposits (B5) ___ Inundation Visible on Aerial Imagery (B7) ___ Water-Stained Leaves (B9) ___ Aquatic Fauna (B13)	<u>Secondary Indicators (minimum of two required)</u> ___ Surface Soil Cracks (B6) ___ Sparsely Vegetated Concave Surface (B8) ___ Drainage Patterns (B10) ___ Moss Trim Lines (B16) ___ Dry-Season Water Table (C2) ___ Crayfish Burrows (C8) ___ Saturation Visible on Aerial Imagery (C9) ___ Stunted or Stressed Plants (D1) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ Microtopographic Relief (D4) <u>X</u> FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes _____ No _____ Depth (inches): _____ Water Table Present? Yes _____ No _____ Depth (inches): _____ Saturation Present? Yes _____ No _____ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
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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>50</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Quercus phellos</u>	<u>20</u>	<u>Yes</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	<u>70</u> =Total Cover		
	50% of total cover: <u>35</u>	20% of total cover: <u>14</u>	

Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
	_____ =Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Herb Stratum (Plot size: <u>5'</u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Juncus pylaei</u>	<u>10</u>	<u>No</u>	<u>OBL</u>
2. <u>Festuca arundinacea</u>	<u>80</u>	<u>Yes</u>	<u>FAC</u>
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
	<u>90</u> =Total Cover		
	50% of total cover: <u>45</u>	20% of total cover: <u>18</u>	

Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
	_____ =Total Cover		
	50% of total cover: _____	20% of total cover: _____	

Dominance Test worksheet:

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

Total Number of Dominant Species Across All Strata: 3 (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>10</u>	x 1 = <u>10</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>150</u>	x 3 = <u>450</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>160</u> (A)	<u>460</u> (B)
Prevalence Index = B/A = <u>2.88</u>	

Hydrophytic Vegetation Indicators:

1 - Rapid Test for Hydrophytic Vegetation

2 - Dominance Test is >50%

3 - Prevalence Index is ≤3.0¹

4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

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

Definitions of Four Vegetation Strata:

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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 No

Remarks: (Include photo numbers here or on a separate sheet.)

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		
0-4	10YR 4/3	100					Loamy/Clayey	
4-20	2.5Y 5/4	100					Loamy/Clayey	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- 2 cm Muck (A10) (**LRR N**)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7)

- Polyvalue Below Surface (S8) (**MLRA 147, 148**)
- Thin Dark Surface (S9) (**MLRA 147, 148**)
- Loamy Mucky Mineral (F1) (**MLRA 136**)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Iron-Manganese Masses (F12) (**LRR N, MLRA 136**)
- Umbric Surface (F13) (**MLRA 122, 136**)
- Piedmont Floodplain Soils (F19) (**MLRA 148**)
- Red Parent Material (F21) (**MLRA 127, 147, 148**)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (**MLRA 147**)
- Coast Prairie Redox (A16) (**MLRA 147, 148**)
- Piedmont Floodplain Soils (F19) (**MLRA 136, 147**)
- Red Parent Material (F21) (**outside MLRA 127, 147, 148**)
- Very Shallow Dark Surface (F22)
- 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: