

**REQUEST FOR JURISDICTIONAL DETERMINATION
FOR PROPERTY LOCATED WITHIN THE STATE OF GEORGIA**

APPLICANT:

Name (First Last) _____

Address _____

City _____ State ____ Zip Code _____

Phone (____) _____ - _____ Fax (____) _____ - _____ Email _____

PROPERTY OWNER:

Same as Applicant

Name (First Last) _____

Address _____

City _____ State ____ Zip Code _____

Phone (____) _____ - _____ Fax (____) _____ - _____ Email _____

AGENT/CONSULTANT: (if applicable)

Name (First Last) _____

Address _____

City _____ State ____ Zip Code _____

Phone (____) _____ - _____ Fax (____) _____ - _____ Email _____

PROPERTY LOCATION:

Location/Address/Subdivision _____

City (in/near) _____ County _____

Directions from nearest interstate (use additional sheet(s) if needed) _____

Latitude _____. _____ Longitude - _____. _____

(In decimal degrees at center of the site. Linear projects should also include decimal degrees location of the start, end, and any turn points of the review/project area. Use additional sheet(s) if needed.)

Property Size (acres and/or dimensions) _____

Nearest named waterbody (Stream/River/Lake) _____

TYPE OF JURISDICTIONAL DETERMINATION:

Please indicate the type of jurisdictional determination (JD) you are requesting by marking the appropriate type below. The Corps encourages the regulated public to utilize the preliminary JDs and expanded preliminary JDs where appropriate.

Preliminary Jurisdictional Determination - Preliminary JDs are non-binding "written indications that there may be waters of the United States, including wetlands, on a parcel or indications of the approximate location(s) of waters of the United States or wetlands on a parcel. Preliminary JDs are advisory in nature and may not be appealed." (See 33 C.F.R. 331.2.)

Expanded Preliminary Jurisdictional Determination - The intent of using the expanded preliminary JD is to allow a landowner or other "affected party" to move ahead expeditiously to obtain a Corps permit authorization where the party determines that it is in his or her best interest. In most cases, expanded preliminary JDs are also non-binding "written indications that there may be waters of the United States, including wetlands, on a parcel or indications of the approximate location(s) of waters of the United States or wetlands on a parcel." However, Corps verification of a delineation, which is submitted in conjunction with an expanded preliminary JD request, would provide the landowner or affected party with defensible documentation concerning the limits of Corps jurisdiction.

Approved Jurisdictional Determination - As defined in Regulatory Guidance Letter 08-02, an approved JD is an official Corps determination that jurisdictional "waters of the United States," or "navigable waters of the United States," or both, are either present or absent on a particular site. An approved JD precisely identifies the limits of those waters on the project site determined to be jurisdictional under the CWA/RHA. (See 33 C.F.R. 331.2.)

I, Joe T Public, Print Name, request a jurisdictional determination the above property, grant the US Army Corps of Engineers permission to conduct an on-site inspection, and certify that I am authorized to grant permission for entry into the property.

SIGNED Joe T Public DATE 10/29/10

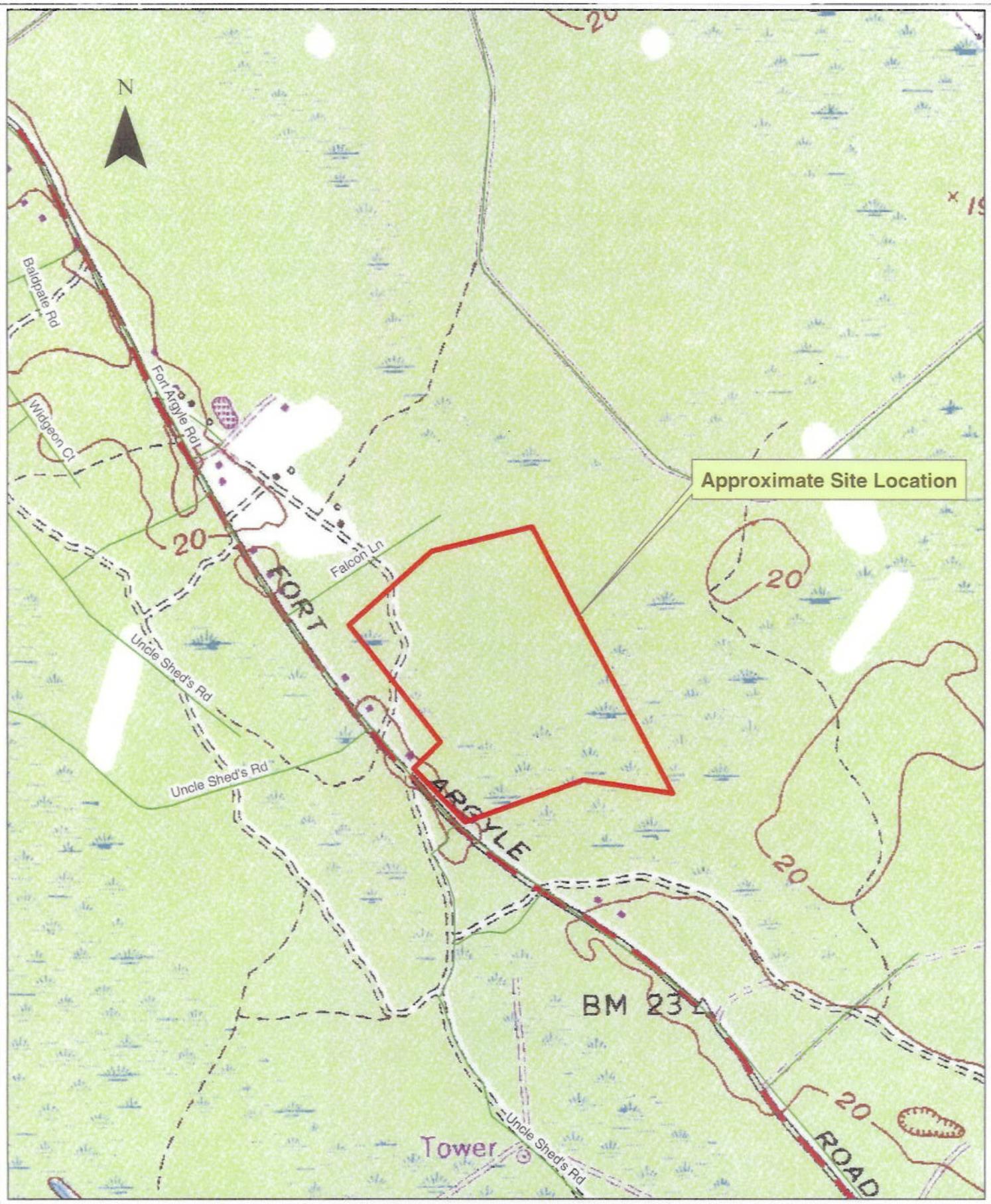
****TO COMPLETE THIS REQUEST ALL OF THE REQUIRED INFORMATION IN THE APPLICABLE CHECKLIST MUST BE PROVIDED ****



Approximate Site Location

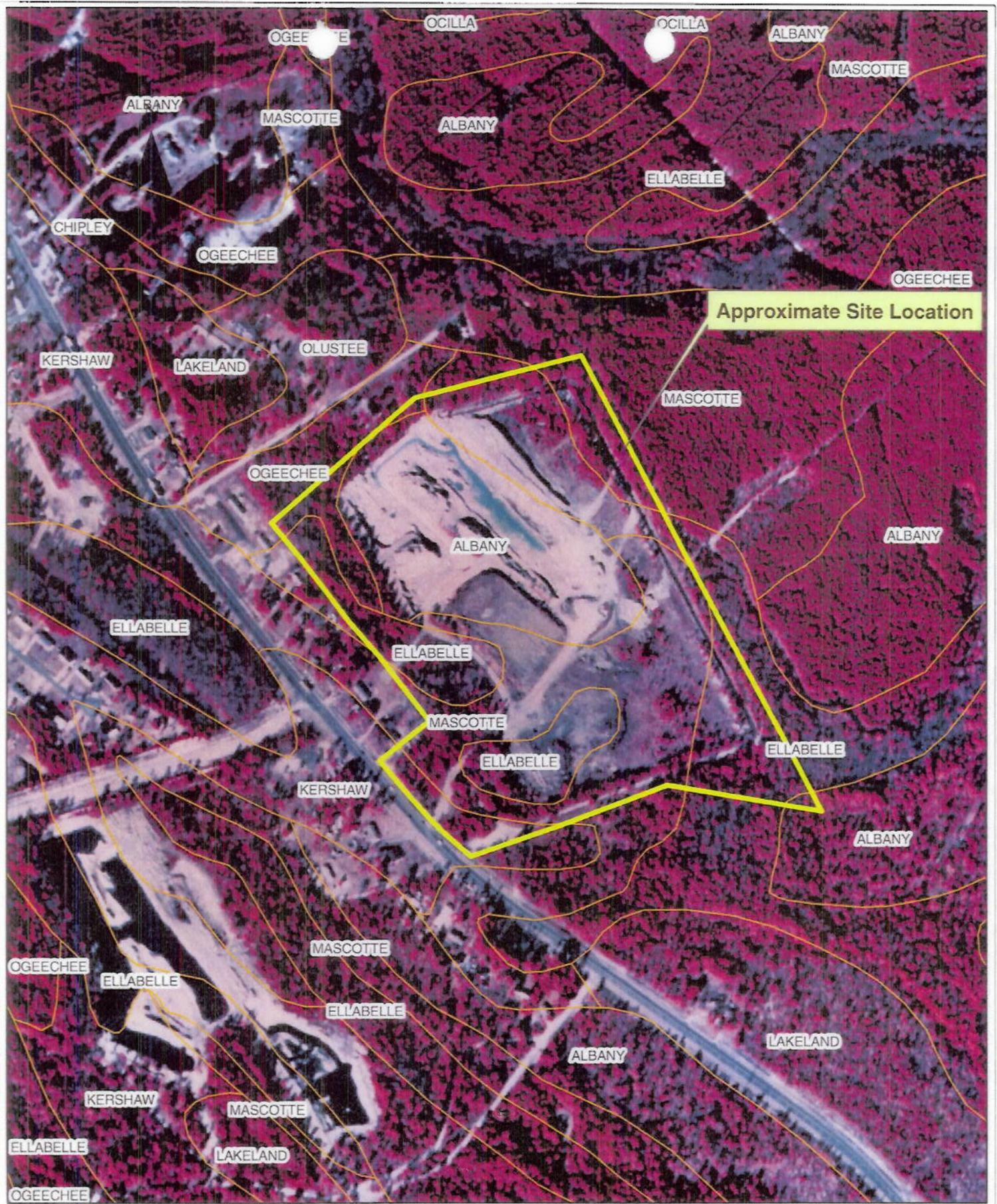
W.H. Carter Tract
Chatham County, GA

Location Map
2004 Aerial Photo
0 1,122,250 4,500 Feet
|-----|



W.H. Carter Tract
Chatham County, GA

USGS Topographic Map
Meldrim Quad
Scale: 1:12,000
0 175 350 700 Feet
[Graphic scale bar]



W.H. Carter Tract
Chatham County, GA
Scale: 1:12,000

SCS Soil Survey
Bryan and Chatham Counties
1999 CIR Photo
0 105 210 420 Feet
+-----+-----+-----+

Map Unit Legend

Bryan and Chatham Counties, Georgia (GA613)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
As	Albany fine sand	17.0	33.5%
El	Ellabelle loamy sand	17.6	34.6%
KkC	Kershaw coarse sand, 2 to 8 percent slopes	1.8	3.5%
Mn	Mascotte sand	11.5	22.7%
Ok	Ogeechee loamy fine sand	2.9	5.8%
Totals for Area of Interest		50.8	100.0%



Approximate Site Location

AE



Site



NW1



100-year
Floodplain



Waterways

W.H. Carter Tract
Chatham County, GA

NW1/Flood Zone Map
2004 Aerial Photo
0 195 390 780 Feet
|-----|



Browning Ln

Wetland A

Lake

Woodthrush Ln

Wetland B

Data Point 1 (Wet)

Wet-1 Pic

Data Point 3 (Up)

Wetland C

Falcon Ln

UP-3 Pic

Data Point 2 (Up)

UP-2 Pic

Wetland D

204

© 2010 Google

Image U.S. Geological Survey

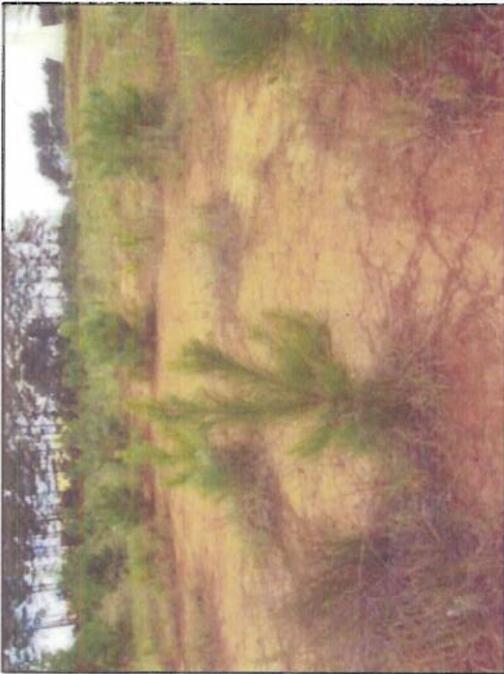
©2008 Google

654 ft

lat 32.062080° lon -81.350498°

Eye alt 2262 ft

Wetland Delineation



UP-3



UP-3 Soil



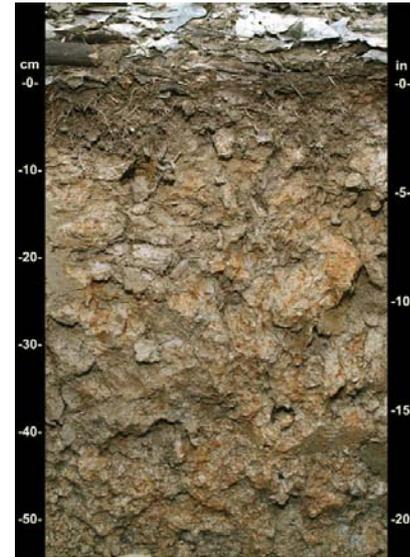
UP-2



UP-2 Soil



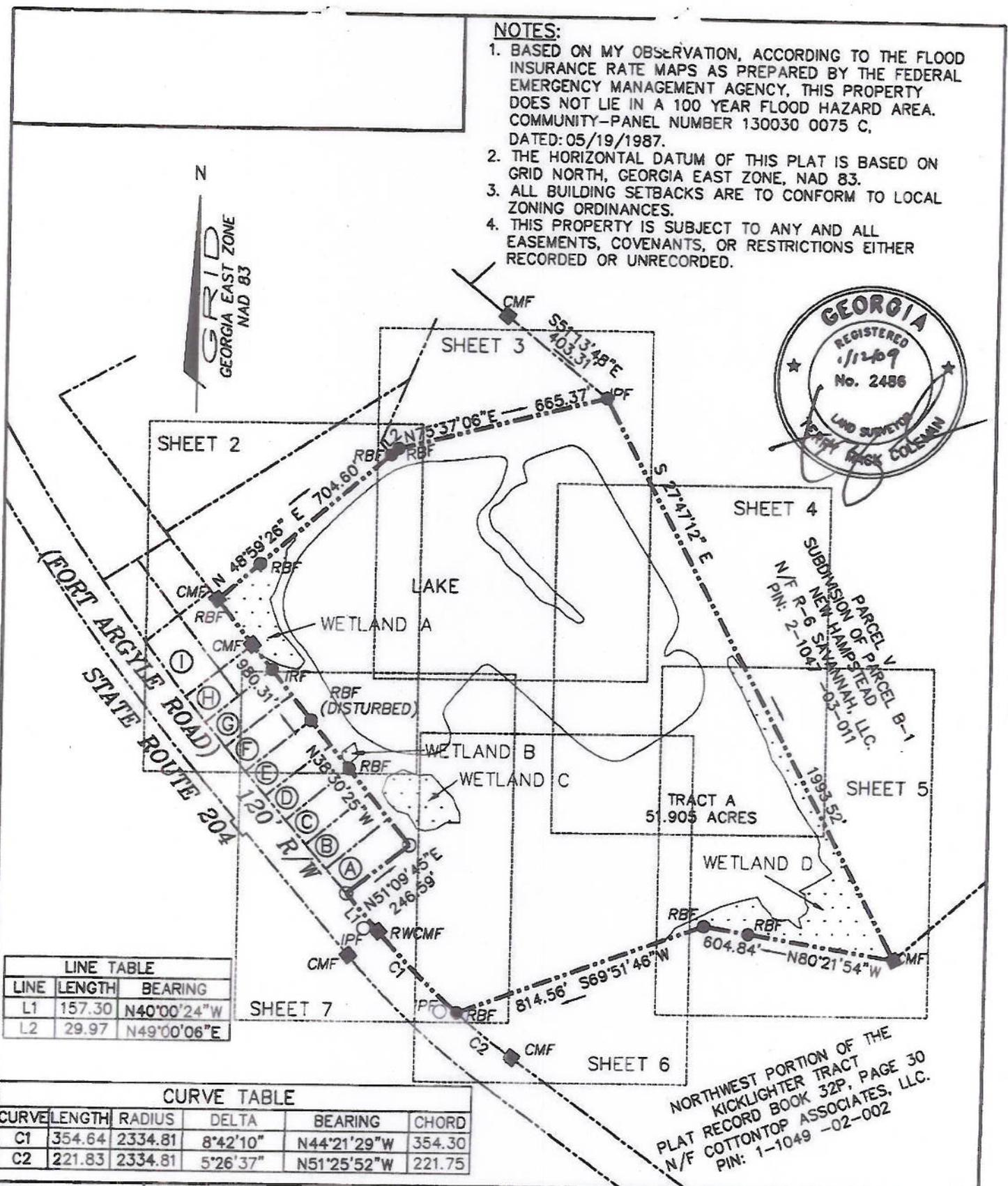
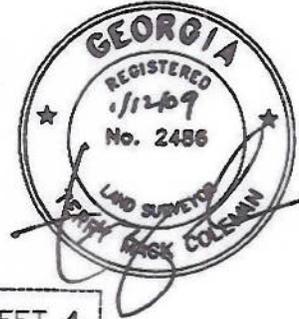
Wet-1



Wet-1 Soil

NOTES:

1. BASED ON MY OBSERVATION, ACCORDING TO THE FLOOD INSURANCE RATE MAPS AS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, THIS PROPERTY DOES NOT LIE IN A 100 YEAR FLOOD HAZARD AREA. COMMUNITY-PANEL NUMBER 130030 0075 C, DATED: 05/19/1987.
2. THE HORIZONTAL DATUM OF THIS PLAT IS BASED ON GRID NORTH, GEORGIA EAST ZONE, NAD 83.
3. ALL BUILDING SETBACKS ARE TO CONFORM TO LOCAL ZONING ORDINANCES.
4. THIS PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, COVENANTS, OR RESTRICTIONS EITHER RECORDED OR UNRECORDED.



LINE TABLE		
LINE	LENGTH	BEARING
L1	157.30	N40°00'24"W
L2	29.97	N49°00'06"E

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	BEARING	CHORD
C1	354.64	2334.81	8°42'10"	N44°21'29"W	354.30
C2	221.83	2334.81	5°26'37"	N51°25'52"W	221.75

SCALE: 1"=100'
 PROJECT NO: 190271
 DATE: 01/25/19
 DRAWN BY:
 CHECKED BY:
 SHEET NO: 1/9

DRAWING TITLE:
WETLAND PLAT

**A WETLAND SURVEY OF TRACT A,
 OF "PLAT SHOWING THE WILLIAM HENRY CARTER TRACT"
 AND PORTION OF THE SCOTT AND ELKINS TRACT
 7TH G.M. DISTRICT, CHATHAM COUNTY,
 STATE OF GEORGIA**

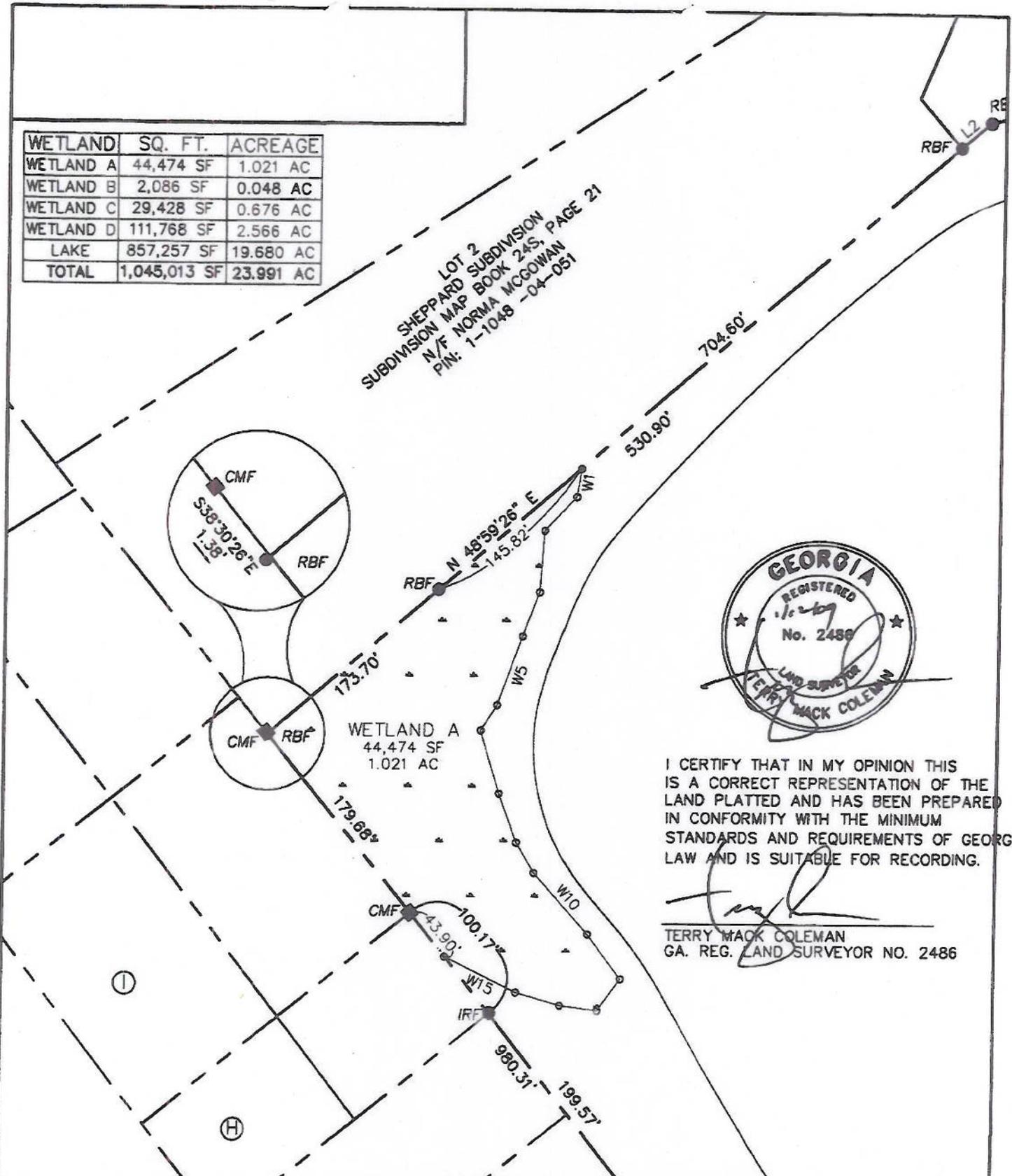
NORTHWEST PORTION OF THE
 KICKLIGHTER TRACT
 PLAT RECORD BOOK 32P, PAGE 30
 N/F COTTONTOP ASSOCIATES, LLC.
 PIN: 1-1049 -02-002

SUBMISSION OF PARCEL B-1
 NEW HAMPSHIRE, LLC.
 N/F R-6 SAKAMAH, LLC.
 PIN: 2-1047 -03-011

GRID
 GEORGIA EAST ZONE
 NAD 83

WETLAND	SQ. FT.	ACREAGE
WETLAND A	44,474 SF	1.021 AC
WETLAND B	2,086 SF	0.048 AC
WETLAND C	29,428 SF	0.676 AC
WETLAND D	111,768 SF	2.566 AC
LAKE	857,257 SF	19.680 AC
TOTAL	1,045,013 SF	23.991 AC

LOT 2
SHEPPARD SUBDIVISION
SUBDIVISION MAP BOOK 24S, PAGE 21
N/F NORMA MCGOWAN
PIN: 1-1048 -04-051



I CERTIFY THAT IN MY OPINION THIS IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND HAS BEEN PREPARED IN CONFORMITY WITH THE MINIMUM STANDARDS AND REQUIREMENTS OF GEORGIA LAW AND IS SUITABLE FOR RECORDING.

Terry Mack Coleman
TERRY MACK COLEMAN
GA. REG. LAND SURVEYOR NO. 2486

SCALE: 1"=100'
PROJECT NO: 90271
DATE: 01/05/09
DRAWN BY:
CHECKED BY:
SHEET NO: 2/9

DRAWING TITLE:
WETLAND PLAT

**A WETLAND SURVEY OF TRACT A,
OF "PLAT SHOWING THE WILLIAM HENRY CARTER TRACT"
AND PORTION OF THE SCOTT AND ELKINS TRACT
7TH G.M. DISTRICT, CHATHAM COUNTY,
STATE OF GEORGIA**

LEASE AREA OF LOTS A-3 & B,
 ROBERT L. MONROE SUBDIVISION
 PLAT RECORD BOOK 7P, PAGE 140
 N/F BIBLE BROADCASTING NETWORK, INC.
 PIN: 1-1048 -04-015D

403.31'
 665.37' IPF

RBF N75°37'06"E



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Terry Mack Coleman
 TERRY MACK COLEMAN
 GA. REG. LAND SURVEYOR NO. 2486

LAKE
 857,257 SF
 19.680 AC

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SCALE: 1"=100'
 PROJECT NO: 00271
 DATE: 01/15/09
 DRAWN BY:
 CHECKED BY:
 SHEET NO: 3/9

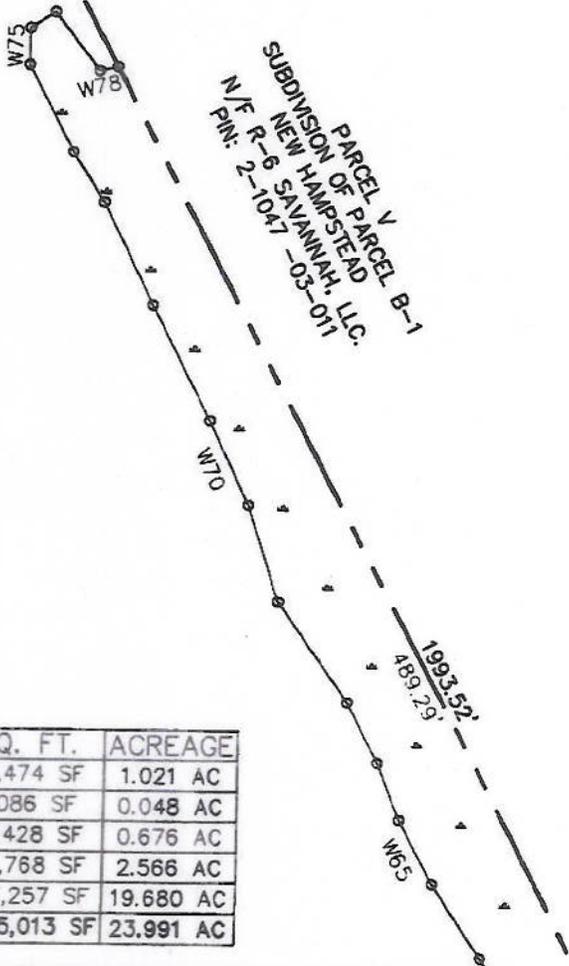
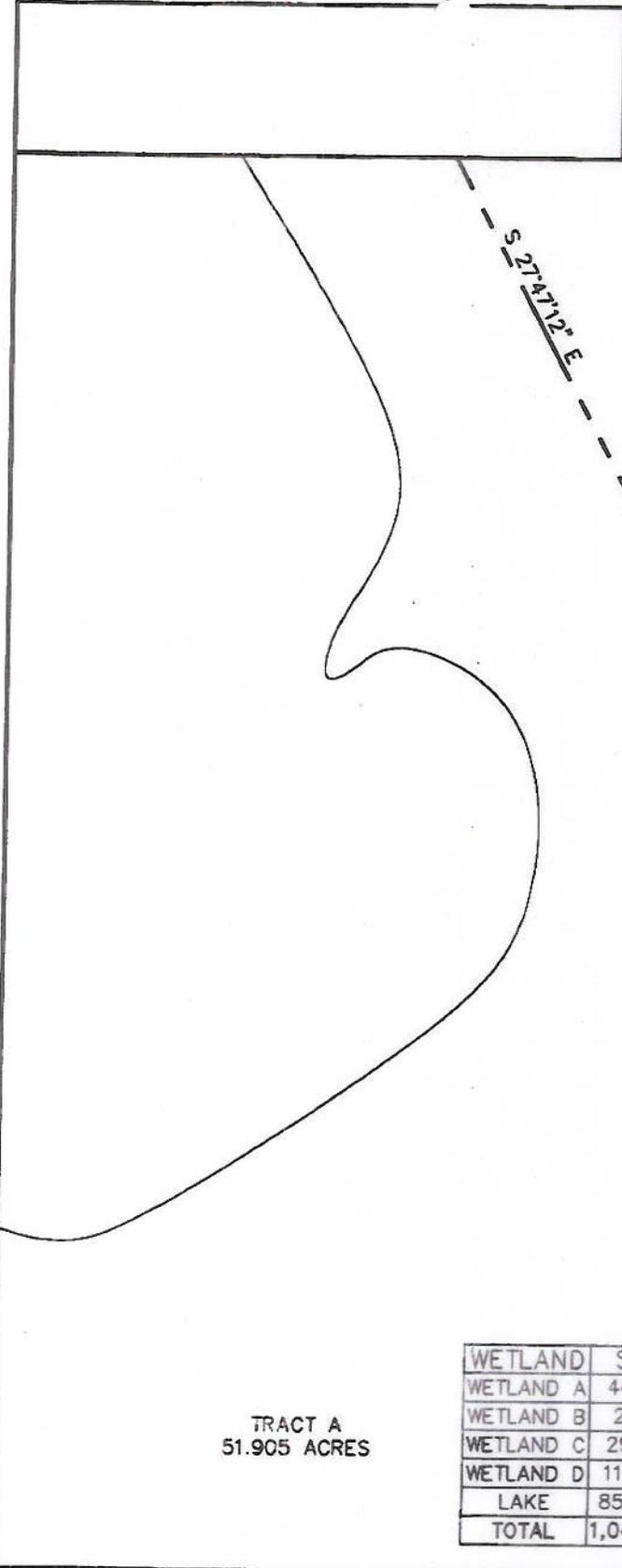
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PARCEL V
 SUBDIVISION OF PARCEL B-1
 NEW HAMPSTEAD
 N/F R-6 SAVANNAH, LLC.
 PIN: 2-1047-03-011

TRACT A
 51.905 ACRES

WETLAND	SQ. FT.	ACREAGE
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SCALE: 1"=100'
 PROJECT NO: 090271
 DATE: 01/20/19
 DRAWN BY:
 CHECKED BY:
 SHEET NO: 4/9

DRAWING TITLE:
**WETLAND
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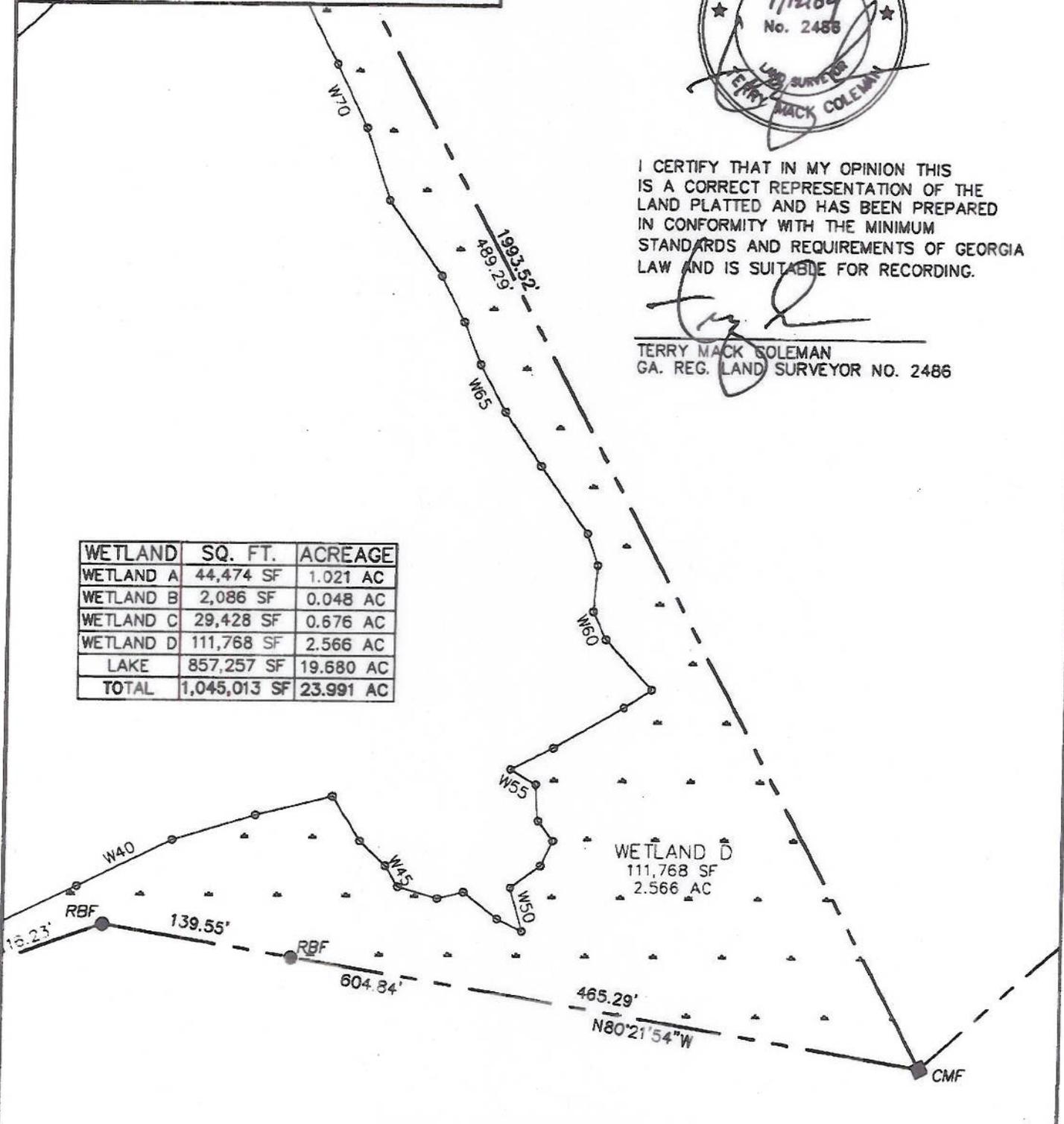
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SCALE: 1"=100'
 PROJECT NO: 080271
 DATE: 01/12/09
 DRAWN BY:
 CHECKED BY:
 SHEET NO: 5/9

DRAWING TITLE:
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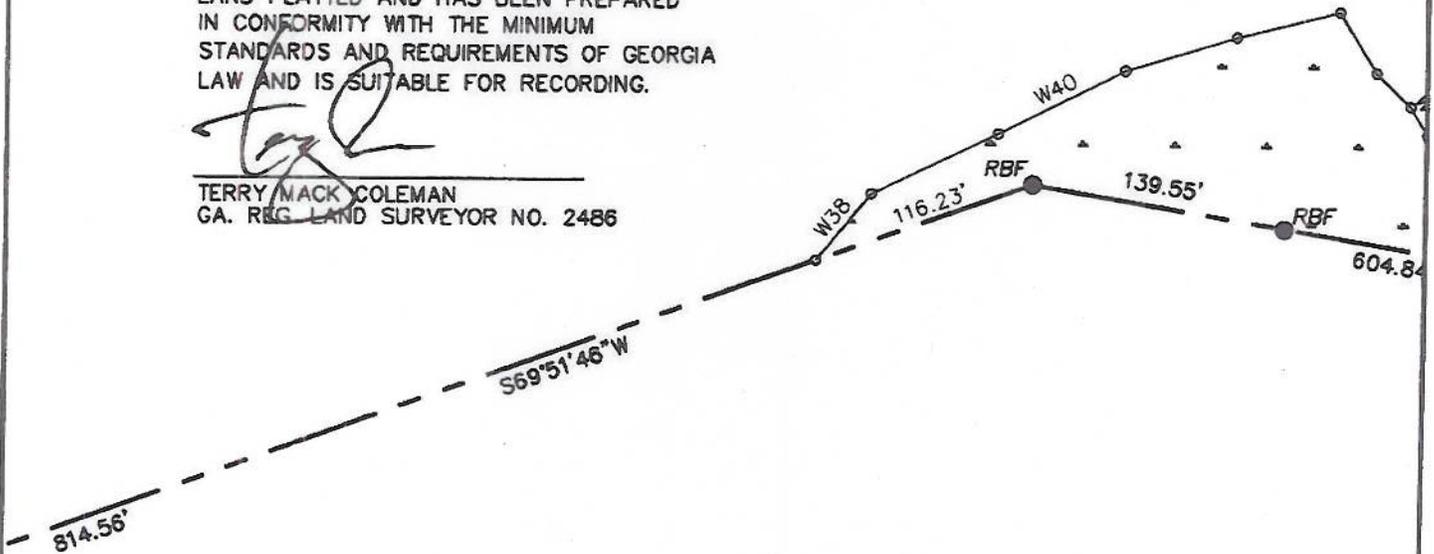
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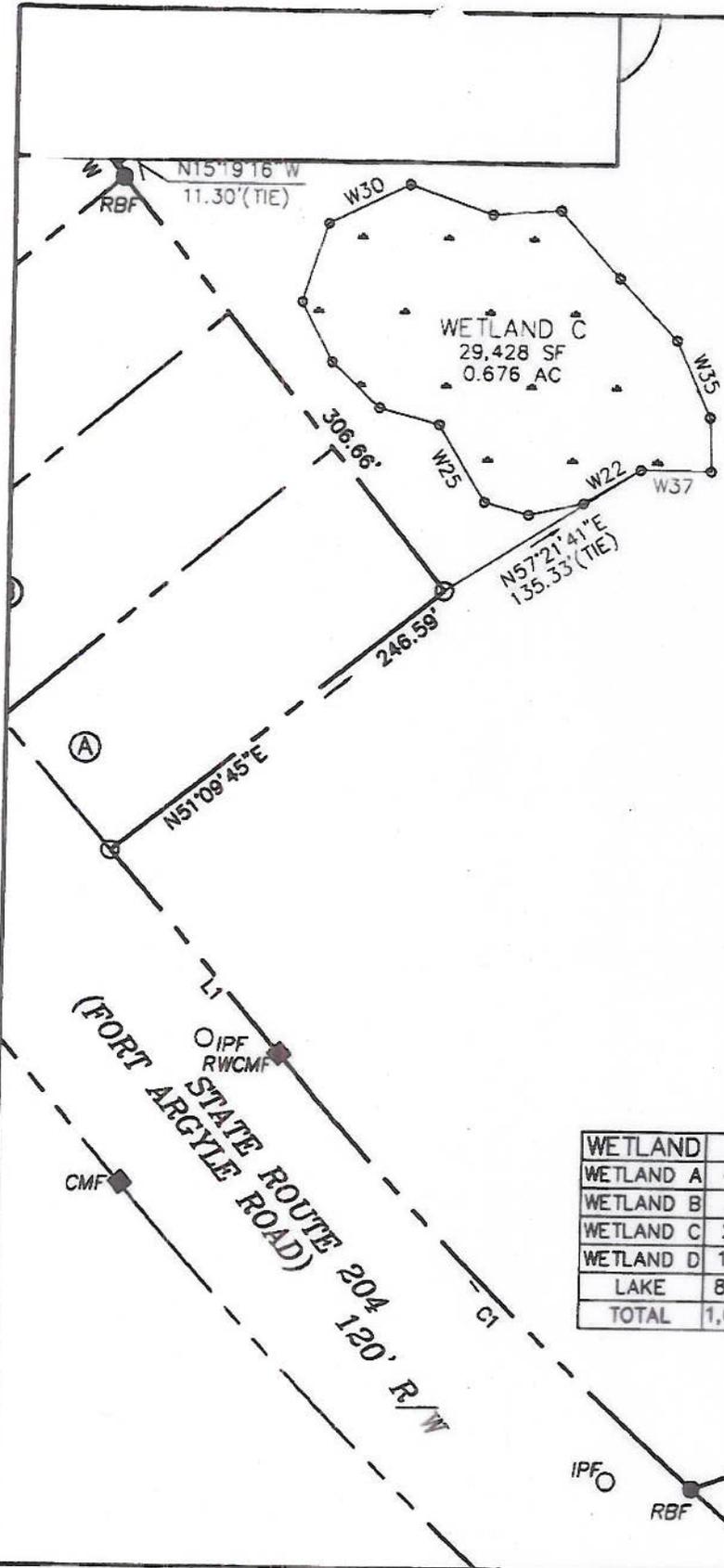
NORTHWEST PORTION OF THE
KICKLIGHTER TRACT
PLAT RECORD BOOK 32P, PAGE 30
N/F COTTONTOP ASSOCIATES, LLC.
PIN: 1-1049 -02-002

SCALE: 1" = 100'
PROJECT NO: 080271
DATE: 06/16/09
DRAWN BY:
CHECKED BY:
SHEET NO:

DRAWING TITLE:
**WETLAND
PLAT**

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7TH G.M. DISTRICT, CHATHAM COUNTY,
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6/9



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Terry Mask Coleman

TERRY MASK COLEMAN
GA. REG. LAND SURVEYOR NO. 2486

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SCALE: 1"=100'
PROJECT NO: 080271
DATE: 01/05/09
DRAWN BY:
CHECKED BY:
SHEET NO: 7/9

DRAWING TITLE:
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WETLAND B
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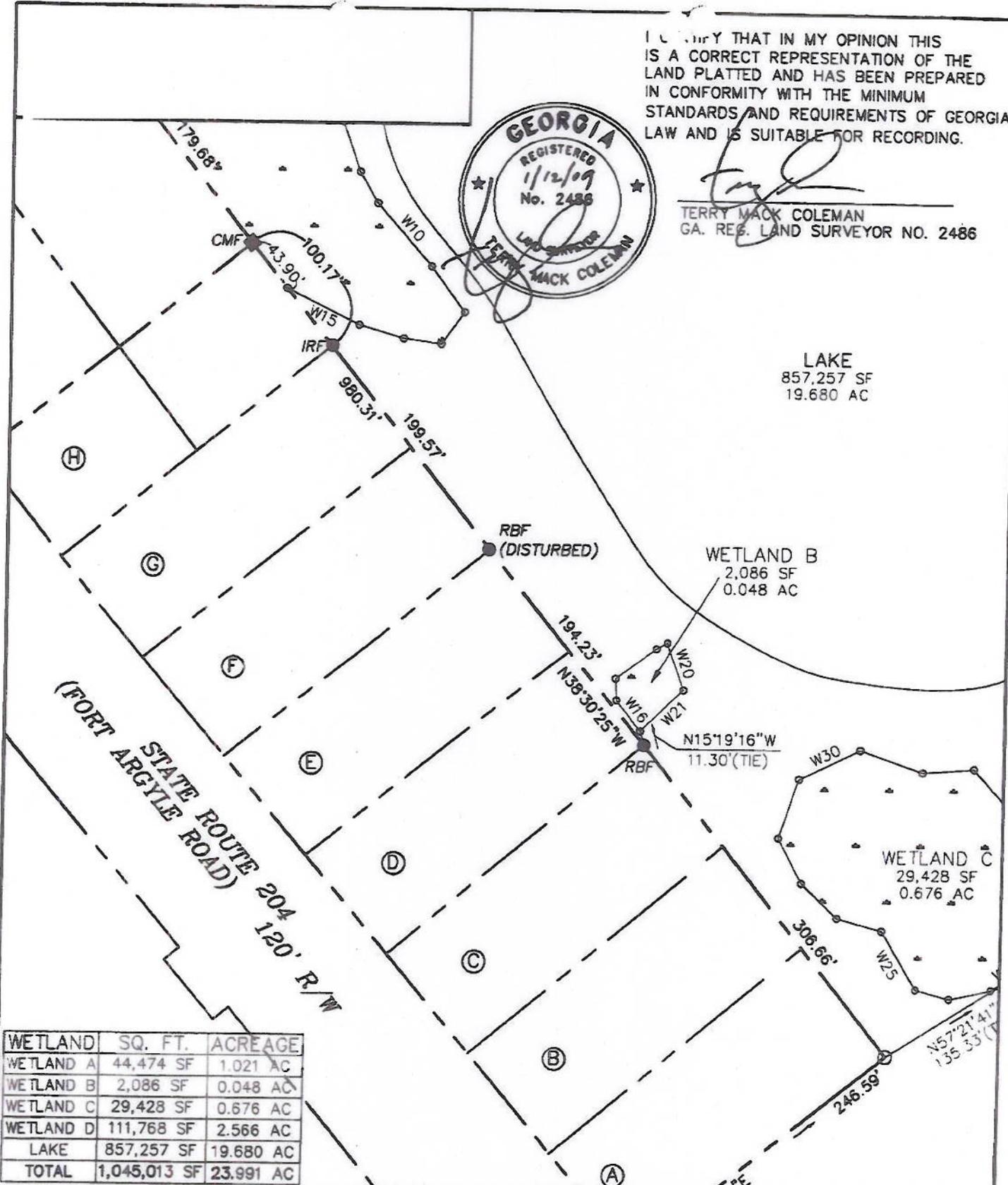
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DATE: 01.05.09
DRAWN BY:
CHECKED BY:
SHEET NO: 8/9

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7TH G.M. DISTRICT, CHATHAM COUNTY,
STATE OF GEORGIA**



REFERENCE:

1. SUBDIVISION MAP BOOK G, PAGE 28.
2. SUBDIVISION MAP BOOK 2S, PAGE 68.
3. SUBDIVISION MAP BOOK 3S, PAGE 46.
4. SUBDIVISION MAP BOOK 20S, PAGE 65.
5. SUBDIVISION MAP BOOK 24S, PAGE 21.
6. SUBDIVISION MAP BOOK 36S, PAGE 68A-F.
7. PLAT RECORD BOOK U, PAGE 217.
8. PLAT RECORD BOOK 4P, PAGE 90.
9. PLAT RECORD BOOK 7P, PAGE 140.
10. PLAT RECORD BOOK 32P, PAGE 30.
11. DEPARTMENT OF TRANSPORTATION
RIGHT-OF-WAY MAP PROJECT: STP-1857(4), DATED
12/06/1995, LAST REVISION DATE 07/21/1997

(A)	LOT 30, "FORT ARGYLE ESTATES, PHASE I" SUBDIVISION MAP BOOK G, PAGE 28 N/F DEBORAH L. HILLIS PIN: 2-1048 -04-035
(B)	LOT 29, "FORT ARGYLE ESTATES, PHASE I" SUBDIVISION MAP BOOK G, PAGE 28 N/F DEBORAH L. HILLIS PIN: 2-1048 -04-039
(C)	LOT 28, "FORT ARGYLE ESTATES, PHASE I" SUBDIVISION MAP BOOK G, PAGE 28 N/F ROBERT T. SNIPES PIN: 2-1048 -04-038
(D)	LOT 27, "FORT ARGYLE ESTATES, PHASE I" SUBDIVISION MAP BOOK G, PAGE 28 N/F GRADY L. WHITE, JR. & EULA WHITE PIN: 2-1048 -04-032
(E)	LOT 26, "FORT ARGYLE ESTATES, PHASE I" SUBDIVISION MAP BOOK G, PAGE 28 N/F BLAIR RENTAL, LLC. PIN: 2-1048 -04-031
(F)	LOT 25, "FORT ARGYLE ESTATES, PHASE I" SUBDIVISION MAP BOOK G, PAGE 28 N/F BLAIR RENTAL, LLC. PIN: 2-1048 -04-045
(G)	LOT 24, "FORT ARGYLE ESTATES, PHASE I" SUBDIVISION MAP BOOK G, PAGE 28 N/F BLAIR RENTAL, LLC. PIN: 2-1048 -04-044
(H)	LOT 23B, "RESUBDIVISION OF LOT 23, PHASE I, FORT ARGYLE ESTATES" N/F MILDRED CLARK PIN: 2-1048 -04-028A
(I)	LOT B, "RECOMBINATION FORT ARGYLE ESTATES PHASE TWO" SUBDIVISION MAP BOOK 20S, PAGE 65 N/F VERONICA H. PAGE PIN: 2-1048 -04-047

LINE TABLE		
LINE	LENGTH	BEARING
W1	22.39'	S08°46'31"W
W2	36.32'	S42°40'21"W
W3	48.77'	S03°47'45"W
W4	37.08'	S20°15'16"W
W5	57.51'	S19°31'17"W
W6	23.60'	S32°41'41"W
W7	51.74'	S16°45'44"E
W8	41.02'	S19°55'37"E
W9	27.78'	S30°15'22"E
W10	64.10'	S41°21'53"E
W11	43.44'	S36°34'31"E
W12	30.40'	S35°16'29"W
W13	29.45'	N82°10'08"W
W14	35.71'	N73°52'47"W
W15	62.34'	N63°35'48"W
W16	30.54'	N37°33'46"W
W17	17.21'	N02°54'54"W
W18	39.02'	N52°32'27"E
W19	9.64'	N60°14'41"E
W20	39.17'	S19°16'10"E
W21	46.47'	S44°51'45"W
W22	39.00'	S58°34'19"W
W23	33.31'	S77°34'43"W
W24	27.04'	N74°51'30"W
W25	52.89'	N30°43'30"W
W26	36.23'	N74°55'36"W
W27	38.49'	N46°26'43"W
W28	39.48'	N27°39'59"W
W29	48.47'	N18°04'35"E
W30	52.16'	N63°45'08"E
W31	51.32'	S70°52'24"E
W32	39.98'	N85°35'11"E
W33	52.62'	S42°00'30"E
W34	49.66'	S44°05'58"E
W35	49.18'	S24°07'20"E
W36	31.96'	S02°22'46"E
W37	41.22'	N89°39'13"W
W38	47.19'	N38°25'20"E
W39	75.98'	N63°49'15"E

LINE TABLE		
LINE	LENGTH	BEARING
W40	76.71'	N62°53'58"E
W41	63.25'	N72°51'07"E
W42	57.89'	N75°41'17"E
W43	38.74'	S31°39'12"E
W44	26.12'	S45°47'36"E
W45	18.16'	S31°31'52"E
W46	29.99'	S73°34'26"E
W47	19.69'	N75°23'06"E
W48	31.62'	S51°28'21"E
W49	20.48'	S63°48'21"E
W50	33.46'	N15°42'39"W
W51	27.40'	N53°13'34"E
W52	20.50'	N24°54'43"E
W53	18.30'	N37°23'30"W
W54	26.98'	N04°11'58"W
W55	21.91'	N59°27'48"W
W56	34.92'	N62°50'45"E
W57	59.33'	N59°20'33"E
W58	24.13'	N56°38'32"E
W59	49.97'	N43°05'10"W
W60	22.64'	N25°22'24"W
W61	34.67'	N04°27'25"E
W62	24.65'	N18°48'05"W
W63	60.14'	N34°52'37"W
W64	48.17'	N34°09'18"W
W65	39.28'	N28°16'14"W
W66	33.17'	N21°39'12"W
W67	37.30'	N27°07'21"W
W68	67.52'	N34°57'52"W
W69	55.67'	N18°03'38"W
W70	50.96'	N25°42'51"W
W71	71.01'	N27°02'06"W
W72	62.90'	N25°55'53"W
W73	32.53'	N32°16'53"W
W74	53.66'	N27°12'03"W
W75	20.32'	N00°21'24"E
W76	16.07'	N55°45'45"E
W77	40.47'	S37°05'46"E
W78	10.17'	N77°12'14"E

WETLAND	SQ. FT.	ACREAGE
WETLAND A	44,474 SF	1.021 AC
WETLAND B	2,086 SF	0.048 AC
WETLAND C	29,428 SF	0.676 AC
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TOTAL	1,045,013 SF	23.991 AC

SCALE: 1"=100'
 PROJECT NO: 89271
 DATE: 01/08/99
 DRAWN BY:
 CHECKED BY:
 SHEET NO: 9/9

DRAWING TITLE:
**WETLAND
 PLAT**

**A WETLAND SURVEY OF TRACT A,
 OF "PLAT SHOWING THE WILLIAM HENRY CARTER TRACT"
 AND PORTION OF THE SCOTT AND ELKINS TRACT
 7TH G.M. DISTRICT, CHATHAM COUNTY,
 STATE OF GEORGIA**

Appendix D

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD):

October 29, 2010

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD: Joe T. Public, 123 Main Street,
Savannah, GA, 31401

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

(USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES)

State: GA County/parish/borough: Chatham City: Savannah
Center coordinates of site (lat/long in degree decimal format): Lat. 32.1234° Pick List, Long. 81.1234° Pick List.
Universal Transverse Mercator:

Name of nearest waterbody: Ogeechee River

Identify (estimate) amount of waters in the review area:

Non-wetland waters: linear feet: width (ft) and/or acres.

Cowardin Class:

Stream Flow:

Wetlands: 23.99 acres.

Cowardin Class: PFOIC

Name of any water bodies on the site that have been identified as Section 10 waters:

Tidal: N/A

Non-Tidal:

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

Office (Desk) Determination. Date:

Field Determination. Date(s):

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

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 approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that 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) that 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) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (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 preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes 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 approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, 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, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R.

331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable.

This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
- Office concurs with data sheets/delineation report.
- Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas: *Mel drum*
- USGS NHD data.
- USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: *Mel drum Quad: 1:12,000.*
- USDA Natural Resources Conservation Service Soil Survey. Citation: *Bryan and Chatham Counties*
- National wetlands inventory map(s). Cite name: *NWI Flood Zone map 2004 Aerial photo.*
- State/Local wetland inventory map(s):
- FEMA/FIRM maps: *NWI Flood Zone Map 2004 Aerial Photo*
- 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): *Google 2009*
or Other (Name & Date): *Photos of UP-3 r UP-2 soils*
- 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 Project Manager
(REQUIRED)

Joe T. Palkie

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

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: _____ City/County: _____ Sampling Date: _____
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR or MLRA): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

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 _____ No _____ Hydric Soil Present? Yes _____ No _____ Wetland Hydrology Present? Yes _____ No _____	Is the Sampled Area within a Wetland? Yes _____ No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ___ Surface Water (A1) ___ Water-Stained Leaves (B9) ___ High Water Table (A2) ___ Aquatic Fauna (B13) ___ Saturation (A3) ___ Marl Deposits (B15) (LRR U) ___ Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Algal Mat or Crust (B4) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) ___ Inundation Visible on Aerial Imagery (B7) ___ Other (Explain in Remarks)	<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) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ FAC-Neutral Test (D5)
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 _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: _____

<u>Tree Stratum</u> (Plot sizes: _____)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: _____ (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet: <u>Total % Cover of:</u> _____ <u>Multiply by:</u> _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
<u>Sapling Stratum</u> (_____)	_____	_____	_____	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
<u>Shrub Stratum</u> (_____)	_____	_____	_____	Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
<u>Herb Stratum</u> (_____)	_____	_____	_____	Definitions 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. 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. Includes 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 _____
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
_____ = Total Cover				
<u>Woody Vine Stratum</u> (_____)	_____	_____	_____	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				

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

SOIL

Sampling Point: _____

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		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated 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)
- 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 Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**

- Polyvalue Below Surface (S8) **(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 Soils³:

- 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) **(LRR T, U)**
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present.

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No _____

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: _____ City/County: _____ Sampling Date: _____
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR or MLRA): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

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 _____ No _____ Hydric Soil Present? Yes _____ No _____ Wetland Hydrology Present? Yes _____ No _____	Is the Sampled Area within a Wetland? Yes _____ No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ___ Surface Water (A1) ___ Water-Stained Leaves (B9) ___ High Water Table (A2) ___ Aquatic Fauna (B13) ___ Saturation (A3) ___ Marl Deposits (B15) (LRR U) ___ Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Algal Mat or Crust (B4) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) ___ Inundation Visible on Aerial Imagery (B7) ___ Other (Explain in Remarks)	<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) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ FAC-Neutral Test (D5)
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 _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: _____

<u>Tree Stratum</u> (Plot sizes: _____)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: _____ (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet:
<u>Sapling Stratum</u> (_____)				<u>Total % Cover of:</u> _____ <u>Multiply by:</u> _____
1. _____				OBL species _____ x 1 = _____
2. _____				FACW species _____ x 2 = _____
3. _____				FAC species _____ x 3 = _____
4. _____				FACU species _____ x 4 = _____
5. _____				UPL species _____ x 5 = _____
6. _____				Column Totals: _____ (A) _____ (B)
7. _____				Prevalence Index = B/A = _____
_____ = Total Cover				Hydrophytic Vegetation Indicators:
<u>Shrub Stratum</u> (_____)				<input type="checkbox"/> Dominance Test is >50%
1. _____				<input type="checkbox"/> Prevalence Index is ≤3.0 ¹
2. _____				<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
_____ = Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present.
<u>Herb Stratum</u> (_____)				Definitions of Vegetation Strata:
1. _____				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).
2. _____				Sapling – Woody plants, excluding woody vines, approximately 20 ft (6 m) or more in height and less than 3 in. (7.6 cm) DBH.
3. _____				Shrub – Woody plants, excluding woody vines, approximately 3 to 20 ft (1 to 6 m) in height.
4. _____				Herb – All herbaceous (non-woody) plants, including herbaceous vines, regardless of size. Includes woody plants, except woody vines, less than approximately 3 ft (1 m) in height.
5. _____				Woody vine – All woody vines, regardless of height.
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
_____ = Total Cover				Hydrophytic Vegetation Present? Yes _____ No _____
<u>Woody Vine Stratum</u> (_____)				
1. _____				
2. _____				
3. _____				
4. _____				
5. _____				
_____ = Total Cover				

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

SOIL

Sampling Point: _____

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		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated 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)
- 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 Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**

- Polyvalue Below Surface (S8) **(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 Soils³:

- 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) **(LRR T, U)**
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present.

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No _____

Remarks:

WETLAND DETERMINATION DATA FORM – Atlantic and Gulf Coastal Plain Region

Project/Site: _____ City/County: _____ Sampling Date: _____
 Applicant/Owner: _____ State: _____ Sampling Point: _____
 Investigator(s): _____ Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): _____ Local relief (concave, convex, none): _____ Slope (%): _____
 Subregion (LRR or MLRA): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: _____

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 _____ No _____ Hydric Soil Present? Yes _____ No _____ Wetland Hydrology Present? Yes _____ No _____	Is the Sampled Area within a Wetland? Yes _____ No _____
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ___ Surface Water (A1) ___ Water-Stained Leaves (B9) ___ High Water Table (A2) ___ Aquatic Fauna (B13) ___ Saturation (A3) ___ Marl Deposits (B15) (LRR U) ___ Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Algal Mat or Crust (B4) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) ___ Inundation Visible on Aerial Imagery (B7) ___ Other (Explain in Remarks)	<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) ___ Geomorphic Position (D2) ___ Shallow Aquitard (D3) ___ FAC-Neutral Test (D5)
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 _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: _____

<u>Tree Stratum</u> (Plot sizes: _____)	<u>Absolute % Cover</u>	<u>Dominant Species?</u>	<u>Indicator Status</u>	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: _____ (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet: <u>Total % Cover of:</u> _____ <u>Multiply by:</u> _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
<u>Sapling Stratum</u> (_____)	_____	_____	_____	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
<u>Shrub Stratum</u> (_____)	_____	_____	_____	Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present.
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
_____ = Total Cover				
<u>Herb Stratum</u> (_____)	_____	_____	_____	Definitions 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. 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. Includes 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 _____
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
_____ = Total Cover				
<u>Woody Vine Stratum</u> (_____)	_____	_____	_____	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				

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

SOIL

Sampling Point: _____

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		

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated 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)
- 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 Mucky Mineral (S1) **(LRR O, S)**
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) **(LRR P, S, T, U)**

- Polyvalue Below Surface (S8) **(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 Soils³:

- 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) **(LRR T, U)**
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present.

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No _____

Remarks: