US Army Corps of Engineers®

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

I. PROPERTY AND AGENT INFORMATION

A. Site Details/Location:

Site Name: Trail Ridge South Date: 10/15/2020
Property Owner: Suwannee River Water Management District and Armory Board of Florida
Property Owner Address: See Attachments A and B
Phone: _____ Email: _____
Property Address (es): Starke, Florida 32091
Acreage: 2,218.6 City/Parish/Section/Township/Range: Starke, FL; 6, 7, 12, 13, 18, 19, 24 / 7S / 22E, 23E
County: Bradford and Clay Counties Parcel number(s): See Attachments A and B
Latitude (decimal degrees): 29.88981° Longitude (decimal degrees): -81.04904°

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

Name: Stuart R. Forrester
Company Name (*if applicable*): The Chemours Company FC, LLC.
Address: P.O. Box 753 Starke, Florida 32091
Phone: 904-964-1200 Email: _____
Check one: ☐ I currently own this property
☐ I plan to purchase this property
☑ Other, please explain Chemours has active lease agreements for land owned by Suwannee River Water Management District and Amory Board of Florida.

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

Consultant/Agent Name: Daniel LeJeune Company Name: Kleinfelder, Inc.
Address: 8933 Western Way, Suite 12
Phone: 904-538-9171 Email: dlejeune@kleinfelder.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: _____

III. TYPE OF REQUEST: *(check all that apply)*

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

[1]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.

[2]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.

[3]Corps Delineations-Current workload and staffing limitations may substantially delay the Corps ability to perform a wetland delineation. The availability of the Corps to perform this service will be evaluated on a case by case basis. In general, the Corps will only perform an on-site delineation for non-commercial entities on parcels which total 5 acres or less. To ensure the accuracy of the supporting information and expedite review and processing, aquatic resource delineations should be completed by experienced/knowledgeable professionals in accordance with Corps established procedures and then submitted to the Corps for verification.

[4]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.

*Please note that delineated boundaries of aquatic resources need to be flagged on-site in order for the Corps to field verify the delineation. This applies to all delineations conducted by an Agent/Environmental Consultant for all types of projects, permit applications, and JD requests. Additionally, the boundaries of the parcel should be clearly marked by staking, fences, cut lines, or other landmarks, and the interior of the property should be readily accessible. Transect cut lines may be required for access and physical reference in densely vegetated areas.

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.

8933 Western Way, Suite 12 Jacksonville, FL 32256	See Attachments A and B
Mailing Address	Property Address/Parcel number(s)
dlejeune@kleinfelder.com	904-538-9171
Email Address	Daytime Phone Number
	Daniel LeJeune
*Signature	Printed Name and Date

Jacksonville Permits Section P.O. Box 4970 Jacksonville, FL 32232-0019 Corpsjaxreg-nj@usace.army.mil	Cocoa Permits Section 400 High Point Drive, Suite 600 Cocoa, FL 32926-6662 Corpsjaxreg-nc@usace.army.mil	Pensacola Permits Section 41 North Jefferson Street, Suite 301 Pensacola, FL 32502-5664 Corpsjaxreg-NL@usace.army.mil
Panama City Permits Section 1002 West 23rd Street, Suite 350 Panama City, FL 32405-3648 Corpsjaxreg-NP@usace.army.mil	Tampa Permits Section 10117 Princess Palm Avenue, Suite 120 Tampa, FL 33610-8302 tampareg@usace.army.mil	Fort Myers Permits Section 1520 Royal Palm Square Blvd, Suite 310 Fort Myers, FL 33919-1036 SF.New.Applications@usace.army.mil
Palm Beach Gardens Permits Section 4400 PGA Boulevard, Suite 500 Palm Beach Gardens, FL 33410-6557 Application-sp@usace.army.mil	Miami Permits Section 9900 SW 107th Avenue, Suite 203 Miami, FL 33176-2785 SEAPPLS@usace.army.mil	Antilles Permits Section Annex Building Fundacion Angel Ramos 383 F.D. Roosevelt Ave., Suite 202 San Juan, Puerto Rico 00918

*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.

U.S Army Corps of Engineers, Jacksonville District Regulatory Division
Information Recommended For a Wetland Delineation Submittal

This document provides a list of detailed information that is recommended for all delineations of aquatic resources and upland determinations that are submitted to the Corps for approval. The information listed below should be submitted with Jurisdictional Determination Requests and/or Wetland Delineations. To reduce delays in verifying Jurisdictional Determinations and Wetland Delineations, it is recommended that the information provided is a complete and true representation of wetlands and other aquatic resources that may be present onsite utilizing methods outlined in the 87 Wetland Delineation Manual and appropriate Regional Supplement. Please note that disturbed or problematic sites as well as sites with previous land use practices such as agriculture and silviculture should utilize methods outlined in Chapter 5 of the Regional Supplement.

Jurisdictional Determination (JD) Request Form

- Current version from Jacksonville District website must be completed fully and signed.

Wetland Determination Data Forms

- Current version of appropriate data form must be used and completed fully.
- Data points should be taken to reflect the current site conditions and represent the vegetative communities on site.
- A sufficient number/location of data points should be taken to represent the wetland/non-wetland status of the entire investigation area.
- Data points locations should confirm or refute the potential for aquatic resource presence depicted on natural resource mapping (Google Earth historical aerial imagery, NWI mapping, NRCS soils mapping, USGS Quadrangle mapping, National Hydrography Data Set (NHDS) mapping, LiDAR, etc.).
- Data points must be located such that there is at least a pair of points for each wetland identified on both sides of the wetland line in positions that illustrate the distinction between wetland and non-wetland.

Maps, Figures, and Photos

- Location Maps: large and small scale maps including streets, intersections, cities, etc. clearly depicting the location of the site in relation to surroundings.

- Project Area/Investigation Area must be overlain on:
    - A representative time sequence of historical aerial imagery. Particularly images taken during the wet season.
    - USGS Topographic Map.
    - NRCS Hydric Rating By Map Unit Web Soil Survey Map.
    - National Wetlands Inventory Map.
    - LiDAR Mapping If Available.

- Site photographs from locations of data points and other relevant site features. Depict photo location and direction on the aquatic resources figure.

- Figure depicting all aquatic resources and other pertinent features identified as present preferably on an aerial image using no-fill polygons. Figure should include:

    - Title Block with project name, applicant, county, state, date.
    - Solid bold line depicting project area boundary with label.
    - North arrow.
    - Clearly marked boundaries of all wetlands and/or other aquatic resources and other pertinent features that are present (Wetlands, Tributaries, Lakes, Borrow Pits, Ponds, Rivers, Drainage Features, Ditches).
    - Size of the site (acres)
    - The size (acres) and length (linear feet) of each individual linear aquatic resource included on the depiction.
    - The size (acres) of each individual non-linear wetland and/or other aquatic resources included on the depiction.
    - Data point locations.
    - Photo locations and direction.

The following tables should be utilized for labeling aquatic resources on the delineated aquatic resource map (wetland delineation map).

Table 1: Aquatic Resource Map/Figure Labels for PJDs and Delineations Only

Label	Description
Wetland X (tidal, non-tidal)	All wetlands, including tidal wetlands.
Non-wetland waters X (tidal, non-tidal)	All non-wetland aquatic resources (ponds, linear features, tributaries, tidal open water).
Upland	Uplands should be labeled.
Non-aquatic resource X (optional)*	Features determined to be non-aquatic resources.

Table 2: Aquatic Resource Map/Figure Labels for AJDs

Jurisdictional Feature Label	Description
TNW X	Traditionally Navigable Water or tidal wetland.
Jurisdictional Tributary X	Tributary, relatively permanent water, or stream bed.
Jurisdictional Wetland X	Meeting 3 parameters or other wetland determination criteria as per 1987 Wetland Delineation Manual and appropriate Regional Supplement.
Other Jurisdictional WOUS X	Other Waters of the United States such as ponds, lakes, ditches, impoundments, etc.
Non-jurisdictional Wetland X	Wetland determined to be non-jurisdictional.
Non-jurisdictional Feature X	Non-jurisdictional ponds, borrow pits, linear features, ditches, etc.
Upland	Uplands should be labeled when wetlands or other waters, regardless of jurisdictional status, are present. When no wetlands or other waters are present, the Upland label is not necessary.

*Optional - Non-Jurisdictional Linear Features or ditches for AJDs and non-aquatic resources for PJDs are not required to be included on the depiction but should be shown and provided on a supplemental sketch.

U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE

I. ADMINISTRATIVE INFORMATION

Completion Date of Approved Jurisdictional Determination (AJD): Select.
ORM Number: (e.g. HQS-2020-00001-MSW).
Associated JDs: N/A
Review Area Location[1]: State/Territory: FL City: Starke County/Parish/Borough: Clay/Bradford
Center Coordinates of Review Area: Latitude 29 53 16.94 Longitude 82 2 52.76

II. FINDINGS

A. Summary: Check all that apply. At least one box from the following list MUST be selected. Complete the corresponding sections/tables and summarize data sources.

- ☐ The review area is comprised entirely of dry land (i.e., there are no waters or water features, including wetlands, of any kind in the entire review area). Rationale: N/A
- ☐ There are "navigable waters of the United States" within Rivers and Harbors Act jurisdiction within the review area (complete table in Section II.B).
- ☒ There are "waters of the United States" within Clean Water Act jurisdiction within the review area (complete appropriate tables in Section II.C).
- ☒ There are waters or water features excluded from Clean Water Act jurisdiction within the review area (complete table in Section II.D).

B. Rivers and Harbors Act of 1899 Section 10 (§ 10)[2]

§ 10 Name	§ 10 Size		§ 10 Criteria	Rationale for § 10 Determination
N/A.	N/A.	N/A	N/A.	N/A.

C. Clean Water Act Section 404

Territorial Seas and Traditional Navigable Waters ((a)(1) waters):[3]				
(a)(1) Name	(a)(1) Size		(a)(1) Criteria	Rationale for (a)(1) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

Tributaries ((a)(2) waters):				
(a)(2) Name	(a)(2) Size		(a)(2) Criteria	Rationale for (a)(2) Determination
S1	560	linear feet	(a)(2) Intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	A man altered intermittent tributary that flows through portions of Wetland 6 and W1 on-site, continues offsite through surface flows in (a)(4) wetlands into NHD identified tributaries of Alligator Creek, which flows into Sampson Creek and ultimately into the Santa Fe River [(a)(1) water]. This tributary has been altered as evidenced by steep side channels and spoil mounds along the flow way edges. Multiple site visits have verified the intermittent status of this tributary. Continuous flow

[1] Map(s)/figure(s) are attached to the AJD provided to the requestor.
[2] If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Rivers and Harbors Act Section 10 navigable waters list, do NOT use this document to make the determination. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Rivers and Harbors Act Section 10 navigability determination.
[3] A stand-alone TNW determination is completed independently of a request for an AJD. A stand-alone TNW determination is conducted for a specific segment of river or stream or other type of waterbody, such as a lake, where upstream or downstream limits or lake borders are established. A stand-alone TNW determination should be completed following applicable guidance and should NOT be documented on the AJD Form.

Tributaries ((a)(2) waters):				
(a)(2) Name	(a)(2) Size		(a)(2) Criteria	Rationale for (a)(2) Determination
				is observed in the wet season while dry conditions have been observed in the winter.
S2	1,458	linear feet	(a)(2) Intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	A man altered intermittent tributary that flows through a portion of W22 [(a)(4)] on-site, continues offsite into NHD identified tributaries of Double Run Creek [(a)(2)], which flows into the Santa Fe Swamp [(a)(2)] and ultimately into the Santa Fe River [(a)(1) water]. This tributary has been altered as evidenced by steep side channels and spoil mounds along the flow way edges. Multiple site visits have verified the intermittent status of this tributary. Continuous flow is observed in the wet season while dry conditions have been observed in the winter.
S3	2,347	linear feet	(a)(2) Intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	A intermittent tributary that flows through portions of W24 [(a)(4)] and W26 [(a)(4)] on-site (connected via culvert), continues through surface sheet flow southwest within W24 [(a)(4)] into S4 [(a)(2)], which continues offsite into NHD identified tributaries of Double Run Creek, which flows into the Santa Fe Swamp and ultimately into the Santa Fe River [(a)(1) water]. Multiple site visits have verified the intermittent status of this tributary. Continuous flow is observed in the wet season while dry conditions have been observed in the winter.
S4	4,244	linear feet	(a)(2) Intermittent tributary contributes surface water flow directly or indirectly to an (a)(1) water in a typical year.	A man altered intermittent tributary that flows through portions of W33 [(a)(4)] and W24 [(a)(4)] on-site, continues offsite into NHD identified tributaries of Double Run Creek, which flows into the Santa Fe Swamp and ultimately into the Santa Fe River [(a)(1) water]. This tributary has been altered as evidenced by steep side channels and spoil mounds along the flow way edges. Multiple site visits have verified the intermittent status of this tributary. Continuous flow is observed in the wet season while dry conditions have been observed in the winter.

Lakes and ponds, and impoundments of jurisdictional waters ((a)(3) waters):				
(a)(3) Name	(a)(3) Size		(a)(3) Criteria	Rationale for (a)(3) Determination
N/A.	N/A.	N/A.	N/A.	N/A.

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
W1	108.19	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	W1 abuts S1 [(a)(2)]. Additional information on S1 can be located in Section II.C, Tributaries (a)(2) waters.
W5	120.76	acre(s)	(a)(4) Wetland separated from	W5 connects to additional (a)(4) wetlands via culverts under the railroad along the northern

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
			an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	delineation boundary. These (a)(4) wetlands provide surface water flow to NHD identified tributaries of Alligator Creek, which flows into Sampson Creek and ultimately into the Santa Fe River [(a)(1) water].
W6	37.39	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	W6 abuts S1 [(a)(2)]. Additional information on S1 can be located in Section II.C, Tributaries (a)(2) waters.
W8	11.43	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	W8 has connections to W7 [(b)(1)] and W19 [(a)(4)]. Connectivity to downstream (a)(1) – (a)(3) waters is severed between W8 and W7 [(b)(1)] by D10 Upland Cut [(b)(5)]. D10 Upland Cut [(b)(5)] is an upland cut ditch as is evident by on-site observation of steep side channels, spoil mounds along the ditch's edges, and the surrounding upland vegetation. Review of historical aerials indicate the ditch was excavated in uplands. W8 has downstream connectivity to (a)(2) waters via an equalization culvert to W19 [(a)(4)] during the typical year based on on-site observations, review of topographic data, and APT review. W19 [(a)(4)] transfers water via surface sheet flow to S2 [(a)(2)] via a culvert. Additional information on S2 can be located in Section II.C, Tributaries (a)(2) waters.
W19	181.56	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	W19 connects to S2 [(a)(2)] via a culvert. Additional information on S2 can be located in Section II.C, Tributaries (a)(2) waters.
W21	123.89	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3)	W21 connects to S2 [(a)(2)] and S3 [(a)(2)] via culverts and other (a)(4) wetlands. W21 connects to W19 [(a)(4)] and S2 [(a)(2)] via a culvert under a

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
			water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	bermed road. The water then provides surface sheet flow through W19 [(a)(4)] to a culvert under a road into S2 [(a)(2)]. W21 connects to W26 [(a)(4)] via a culvert under a bermed road. The water then surface sheet flow into S3 [(a)(2)]. Additional information on S2 and S3 can be located in Section II.C, Tributaries (a)(2) waters.
W22	7.22	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	W22 abuts S2 [(a)(2)]. Additional information on S2 can be located in Section II.C, Tributaries (a)(2) waters.
W24	190.29	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	W24 abuts S3 [(a)(2)] and S4 [(a)(2)]. Additional information on S3 and S4 can be located in Section II.C, Tributaries (a)(2) waters.
W25	0.23	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	W25 is separated from W24 [(a)(4)] by a bermed road. On-site observations confirm that a low topographic feature in this road provides for a direct hydrologic surface water connection to W24 [(a)(4)]. The water then provides surface sheet flow into W24 [(a)(4)] and into S4 [(a)(2)]. Additional information on S4 can be located in Section II.C, Tributaries (a)(2) waters.
W26	10.86	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	W26 abuts S3 [(a)(2)]. Additional information on S3 can be located in Section II.C, Tributaries (a)(2) waters.
W27	9.82	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	W27 is separated from W26 [(a)(4)] by a bermed road but has downstream connectivity to (a)(2) waters via an culvert to W26 [(a)(4)] during the typical year based on on-site observations, review of topographic data, and APT review. W26 [(a)(4)] abuts S3 [(a)(2)]. Additional information on S3 can be located in Section II.C, Tributaries (a)(2) waters.

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
W28	11.82	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	W28 has downstream connectivity to (a)(3) waters via an equalization culvert to under Treat Road during the typical year based on on-site observations, review of topographic data, and APT review. Surface water sheet flow then continues through an off-site (a)(4) wetland and into NHD identified tributaries of Blue Pond [(a)(3)].
W32	2.77	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	W32 is separated from W33 [(a)(4)] by a bermed road but has downstream connectivity to (a)(2) waters via an culvert to W33 [(a)(4)] during the typical year based on on-site observations, review of topographic data, and APT review. W33 [(a)(4)] abuts S4 [(a)(2)]. Additional information on S4 can be located in Section II.C, Tributaries (a)(2) waters
W33	20.35	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	W33 abuts S4 [(a)(2)]. Additional information on S4 can be located in Section II.C, Tributaries (a)(2) waters.
W34	103.42	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	W34 is separated from W33 [(a)(4)] by a bermed road but has downstream connectivity to (a)(2) waters via an culvert to W33 [(a)(4)] during the typical year based on on-site observations, review of topographic data, and APT review. W33 [(a)(4)] abuts S4 [(a)(2)]. Additional information on S4 can be located in Section II.C, Tributaries (a)(2) waters
W35	1.99	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3)	W35 is separated from W24 [(a)(4)] by a bermed road but has downstream connectivity to (a)(2) waters via an culvert to W24 [(a)(4)] during the

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
			water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	typical year based on on-site observations, review of topographic data, and APT review. W24 [(a)(4)] abuts S4 [(a)(2)]. Additional information on S4 can be located in Section II.C, Tributaries (a)(2) waters
W38	6.60	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	W38 continues off-site through surface sheet flow southwest into a unnamed NHD identified tributary, which flows into the Santa Fe Swamp and ultimately into the Santa Fe River [(a)(1) water].
D1	0.77	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	This portion of D1 was constructed entirely within the adjacent W1 [(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W1 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D3	0.14	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	This portion of D3 was constructed entirely within the adjacent W1 [(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W1 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D5	0.05	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	This portion of D3 was constructed entirely within the adjacent W6[(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W6 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D8	0.41	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	This portion of D8 was constructed entirely within the adjacent W6 [(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
				information on W6 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D10	0.01	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	This portion of D10 was constructed entirely within the adjacent W8 [(a)(4)] and meets the definition of both "wetlands" under paragraph (c)(16) and "adjacent wetlands" under paragraph (c)(1). Additional information on W8 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D11	0.02	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	This portion of D10 was constructed entirely within the adjacent W8 [(a)(4)] and meets the definition of both "wetlands" under paragraph (c)(16) and "adjacent wetlands" under paragraph (c)(1). Additional information on W8 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D13	0.04	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	This portion of D13 was constructed entirely within the adjacent W19 [(a)(4)] and meets the definition of both "wetlands" under paragraph (c)(16) and "adjacent wetlands" under paragraph (c)(1). Additional information on W19 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D14	0.0002	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	This portion of D14 was constructed entirely within the adjacent W22 [(a)(4)] and meets the definition of both "wetlands" under paragraph (c)(16) and "adjacent wetlands" under paragraph (c)(1). Additional information on W22 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D15	0.36	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	This portion of D15 was constructed entirely within the adjacent W24 [(a)(4)] and meets the definition of both "wetlands" under paragraph (c)(16) and "adjacent wetlands" under paragraph (c)(1). Additional information on W24 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
D16	0.01	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	This portion of D16 was constructed entirely within the adjacent W24 [(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W24 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D17	0.07	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	This portion of D17 was constructed entirely within the adjacent W25 [(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W25 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D18	0.14	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	Portions of D18 were constructed entirely within the adjacent W26 [(a)(4)], W32 [(a)(4)], W33 [(a)(4)] and meet the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W25 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D19	0.22	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	Portions of D19 were constructed entirely within the adjacent W27 [(a)(4)], W34 [(a)(4)], and meet the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W27/34 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D20	0.69	acre(s)	(a)(4) Wetland abuts an (a)(1)-(a)(3) water.	Portions of D20 were constructed entirely within the adjacent W34 [(a)(4)], W38 [(a)(4)] and meet the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W34/38 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
D21	0.02	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	This portion of D21 was constructed entirely within the adjacent W38 [(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W38 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D22	0.13	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	This portion of D22 was constructed entirely within the adjacent W21 [(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W21 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D23	0.01	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	This portion of D23 was constructed entirely within the adjacent W28 [(a)(4)] and meets the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W28 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).
D24	0.72	acre(s)	(a)(4) Wetland separated from an (a)(1)-(a)(3) water only by an artificial structure allowing a direct	Portions of D24 were constructed entirely within the adjacent W27 [(a)(4)], W88 [(a)(4)] and meet the definition of both “wetlands” under paragraph (c)(16) and “adjacent wetlands” under paragraph (c)(1). Additional information on W27/28 can be found in Section II.C, Adjacent wetlands ((a)(4) waters).

Adjacent wetlands ((a)(4) waters):				
(a)(4) Name	(a)(4) Size		(a)(4) Criteria	Rationale for (a)(4) Determination
			hydrologic surface connection between the wetland and the (a)(1)-(a)(3) water, in a typical year.	

D. Excluded Waters or Features

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
W2	0.1	acre(s)	(b)(1) Non-adjacent wetland.	W2 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and excluded upland cut ditches [(b)(5)].
W3	22.99	acre(s)	(b)(1) Non-adjacent wetland.	W3 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands, excluded upland cut ditches [(b)(5)], and an artificial barrier (bermed road) which does not allow for direct surface hydrologic connection during the typical year. Multi-year on-site observations support this determination.
W4	0.04	acre(s)	(b)(1) Non-adjacent wetland.	W4 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W7	9.89	acre(s)	(b)(1) Non-adjacent wetland.	W7 is isolated from (a)(1) – (a)(3) waters by uplands, excluded upland cut ditches [(b)(5)], and an artificial barrier (bermed road) which does not allow for direct surface hydrologic connection during the typical year. Connectivity to downstream (a)(1) – (a)(3) waters is severed between W7 and W6/W8 [(a)(4)] by D8 Upland Cut [(b)(5)], D10 Upland Cut [(b)(5)], and D11 Upland Cut [(b)(5)]. The upland cut ditch classification is evident by on-site observation of steep side channels, spoil mounds along the ditch's edges, and the surrounding upland vegetation. Review of historical aerials indicate the ditches were excavated in uplands. Connectivity to excluded W17 [(b)(1)] is severed by a bermed road.

[4] Some excluded waters, such as (b)(2) and (b)(4), may not be specifically identified on the AJD form unless a requestor specifically asks a Corps district to do so. Corps districts may, in case-by-case instances, choose to identify some or all of these waters within the review area.
[5] Because of the broad nature of the (b)(1) exclusion and in an effort to collect data on specific types of waters that would be covered by the (b)(1) exclusion, four sub-categories of (b)(1) exclusions were administratively created for the purposes of the AJD Form. These four sub-categories are not new exclusions, but are simply administrative distinctions and remain (b)(1) exclusions as defined by the NWPR.

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
W9	3.77	acre(s)	(b)(1) Non-adjacent wetland.	W9 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W10	1.87	acre(s)	(b)(1) Non-adjacent wetland.	W10 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W11	0.40	acre(s)	(b)(1) Non-adjacent wetland.	W11 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W12	4.44	acre(s)	(b)(1) Non-adjacent wetland.	W12 is isolated from (a)(1) – (a)(3) waters by uplands, excluded lakes and ponds [(b)(1)], and an artificial barrier (remnant mining berm) which does not allow for direct surface hydrologic connection during the typical year. The large remnant mining berm prevents W12 from having a hydrologic connection to W5 [(a)(4)] and excluded SW2 [(b)(1)] has no downstream connection to (a)(1)-(a)(3) waters.
W13	0.02	acre(s)	(b)(1) Non-adjacent wetland.	W13 is a borrow area excavated wholly in uplands and is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W14	0.36	acre(s)	(b)(1) Non-adjacent wetland.	W14 is a borrow area excavated wholly in uplands and is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and a berm. The berm separates W14 from excluded SW2 [(b)(1)] and does not provide direct surface connection to any jurisdictional wetland features.
W15	0.08	acre(s)	(b)(1) Non-adjacent wetland.	W15 abuts excluded SW3 [(b)(1)] and is hydrologically isolated from (a)(1) – (a)(3) waters.
W16	19.09	acre(s)	(b)(1) Non-adjacent wetland.	W16 abuts excluded SW3 [(b)(1)] and is hydrologically isolated from (a)(1) - (a)(3) waters to the east by Treat Rd. Field visits verify that no culverts connect W16 to wetlands on the east side of Treat Rd. and a surface water hydrologic connection over top of the road does not occur in the typical year.
W17	4.08	acre(s)	(b)(1) Non-adjacent wetland.	W17 is isolated from (a)(1) – (a)(3) waters by uplands, excluded upland cut ditches [(b)(5)], and an artificial barrier (bermed road) which does not allow for direct surface hydrologic connection during the typical year. Connectivity

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
				to downstream (a)(1) – (a)(3) waters is severed between W17 and W19 [(a)(4)] by D13 Upland Cut [(b)(5)]. The upland cut ditch classification is evident by on-site observation of steep side channels, spoil mounds along the ditch's edges, and the surrounding upland vegetation. Review of historical aerials indicate the ditches were excavated in uplands. Connectivity to excluded W7 [(b)(1)] is severed by a bermed road.
W18	10.07	acre(s)	(b)(1) Non-adjacent wetland.	W18 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W20	1.29	acre(s)	(b)(1) Non-adjacent wetland.	W20 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W23	0.67	acre(s)	(b)(1) Non-adjacent wetland.	W23 is isolated from (a)(1) – (a)(3) waters by uplands and an artificial barrier (bermed road) which does not allow for direct surface hydrologic connection during the typical year. Field visits verify that no culvert exists under the bermed road which separates W23 from W19 [(a)(4)].
W29	1.22	acre(s)	(b)(1) Non-adjacent wetland.	W29 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W30	1.38	acre(s)	(b)(1) Non-adjacent wetland.	W30 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W31	0.88	acre(s)	(b)(1) Non-adjacent wetland.	W31 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W36	2.03	acre(s)	(b)(1) Non-adjacent wetland.	W36 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W37	2.34	acre(s)	(b)(1) Non-adjacent wetland.	W37 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
W39	0.43	acre(s)	(b)(1) Non-adjacent wetland.	W39 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and excluded upland cut ditches [(b)(5)]. This wetland does not provide

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
				direct surface connection to any jurisdictional wetland features. Excluded D19 [(b)(5)] severs surface connectivity of W39 to W34 [(a)(4)].
W41	1.72	acre(s)	(b)(1) Non-adjacent wetland.	W41 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands, excluded upland cut ditches [(b)(5)] and an artificial barrier (bermed road). This wetland does not provide direct surface connection to any jurisdictional wetland features. W41 is hydrologically separated from W34 [(a)(4)] to the east by a bermed road. Recent field visits verified that no culvert connection was in place between the two features. Multi-year field visits verified that no hydrologic surface connection is made between the two features during the typical year. W41 is hydrologically separated from W38 [(a)(4)] to the west by a bermed road. Recent field visits verified that no culvert connection was in place between the two features. Multi-year field visits verified that no hydrologic surface connection is made between the two features during the typical year.
W42	0.70	acre(s)	(b)(1) Non-adjacent wetland.	W42 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and an artificial barrier (Treat Rd.) and does not provide direct surface connection to any jurisdictional wetland features.
W43	1.12	acre(s)	(b)(1) Non-adjacent wetland.	W43 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features. Recent field visits verified that no culvert is in place under Treat Rd. that would provide hydrologic connections to wetlands on the east side of the road. Multi-year field visits verified that no hydrologic surface connection is made between the two features during the typical year.
W45	0.69	acre(s)	(b)(1) Non-adjacent wetland.	W37 is hydrologically isolated from (a)(1) – (a)(3) waters by uplands and does not provide direct surface connection to any jurisdictional wetland features.
SW1	9.32	acre(s)	(b)(8) Artificial lake/pond constructed or excavated in upland or a non-jurisdictional water, so long as the artificial lake or pond is not an	SW1 is an upland-excavated artificial lake. Historic aerials indicate the surface water was excavated in uplands.

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
			impoundment of a jurisdictional water that meets (c)(6).	
SW2	11.22	acre(s)	(b)(8) Artificial lake/pond constructed or excavated in upland or a non-jurisdictional water, so long as the artificial lake or pond is not an impoundment of a jurisdictional water that meets (c)(6).	SW2 is an upland-excavated artificial lake. Historic aerials indicate the surface water was excavated in uplands.
SW3	13.65	acre(s)	(b)(8) Artificial lake/pond constructed or excavated in upland or a non-jurisdictional water, so long as the artificial lake or pond is not an impoundment of a jurisdictional water that meets (c)(6).	SW3 is an upland-excavated artificial lake. Historic aerials indicate the surface water was excavated in uplands.
SW4	2.58	acre(s)	(b)(8) Artificial lake/pond constructed or excavated in upland or a non-jurisdictional water, so long as the artificial lake or pond is not an impoundment of a jurisdictional water that meets (c)(6).	SW4 is an upland-excavated artificial lake. Historic aerials indicate the surface water was excavated in uplands.
SW5	1.60	acre(s)	(b)(8) Artificial lake/pond constructed or excavated in upland or a non-	SW5 is an upland-excavated artificial lake. Historic aerials indicate the surface water was excavated in uplands.

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
			jurisdictional water, so long as the artificial lake or pond is not an impoundment of a jurisdictional water that meets (c)(6).	
D1 Upland Cut	0.43	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D2 Upland Cut	0.007	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D3 Upland Cut	0.11	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D4 Upland Cut	0.24	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
D5 Upland Cut	0.18	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D6 Upland Cut	0.01	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D7 Upland Cut	0.08	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D8 Upland Cut	0.08	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D9 Upland Cut	0.13	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
			conditions of (c)(1).	
D10 Upland Cut	0.16	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D11 Upland Cut	0.17	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D12 Upland Cut	0.17	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D13 Upland Cut	0.38	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D14 Upland Cut	0.006	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
			(a)(4) water that do not satisfy the conditions of (c)(1).	
D16 Upland Cut	0.02	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D17 Upland Cut	0.07	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D18 Upland Cut	0.66	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D19 Upland Cut	0.38	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D20 Upland Cut	0.34	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under

Excluded waters ((b)(1) – (b)(12)):[4]				
Exclusion Name	Exclusion Size		Exclusion[5]	Rationale for Exclusion Determination
			a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	(b)(5). Any observed flow withing the ditch is ephemeral.
D21 Upland Cut	0.14	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D22 Upland Cut	0.51	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D23 Upland Cut	0.04	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.
D24 Upland Cut	0.32	acre(s)	(b)(5) Ditch that is not an (a)(1) or (a)(2) water, and those portions of a ditch constructed in an (a)(4) water that do not satisfy the conditions of (c)(1).	The ditch is not a (a)(1) water, does not relocate a tributary, and was not constructed in an adjacent wetland therefore it is excluded under (b)(5). Any observed flow withing the ditch is ephemeral.

III. SUPPORTING INFORMATION

U.S. ARMY CORPS OF ENGINEERS
REGULATORY PROGRAM
APPROVED JURISDICTIONAL DETERMINATION FORM (INTERIM)
NAVIGABLE WATERS PROTECTION RULE

A. Select/enter all resources that were used to aid in this determination and attach data/maps to this document and/or references/citations in the administrative record, as appropriate.

☒ Information submitted by, or on behalf of, the applicant/consultant: Mr. Noah Adams / Kleinfelder
This information is sufficient for purposes of this AJD.
Rationale: Excluded areas were reviewed/discussed prior to submittal

☒ Data sheets prepared by the Corps: ACOE data sheets submitted with PJD application on February 28, 2019.

☒ Photographs: Aerial and Other: Submitted to the ACOE with the PJD application on February 28, 2019.

☒ Corps site visit(s) conducted on: March 18 and March 19, 2019 with Eve Huggins (ACOE) and Sarah Vaughn (ACOE).

☒ Previous Jurisdictional Determinations (AJDs or PJDs): PJD: SAJ-2019-00480 (IP-JPF) issued May 17, 2019

☒ Antecedent Precipitation Tool: *provide detailed discussion in Section III.B*.

☒ USDA NRCS Soil Survey: Submitted to the ACOE with the PJD application on February 28, 2019.

☒ USFWS NWI maps: Submitted to the ACOE with the PJD application on February 28, 2019.

☒ USGS topographic maps: Submitted to the ACOE with the PJD application on February 28, 2019.

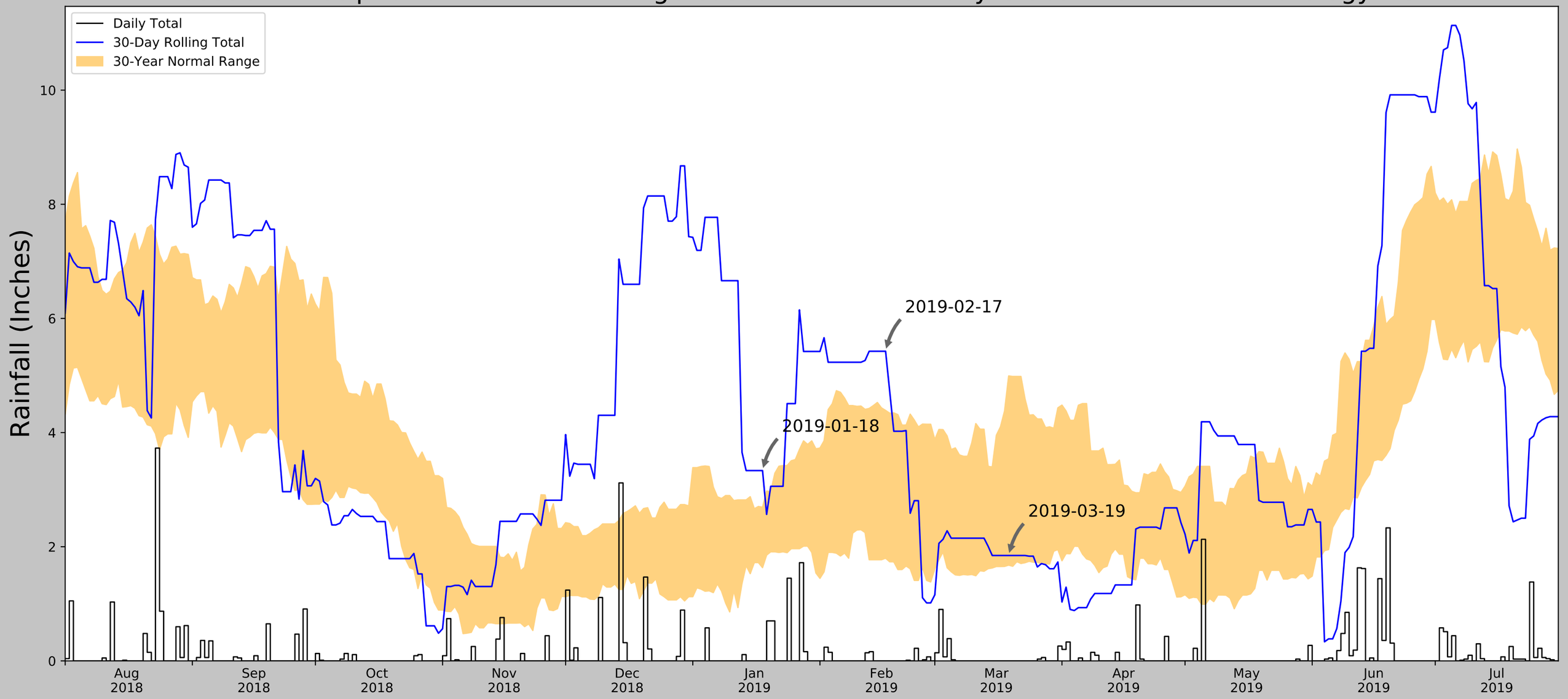
Other data sources used to aid in this determination:

Data Source (select)	Name and/or date and other relevant information
USGS Sources	National Hydrography Dataset
USDA Sources	NRCS soil maps and hydric rating by map unit
NOAA Sources	N/A.
USACE Sources	N/A.
State/Local/Tribal Sources	N/A.
Other Sources	LIDAR data from 2011 and 2013 privately funded flights

B. Typical year assessment(s): The APT report (2019-03-19_APT_TRS) was run from the March 19, 2020 point in time source using the center point longitude/latitude of the project boundary and is enclosed with this application. The wetland delineation was performed during the dry season months of January and February, 2019. Based on the APT report, the delineation was performed under wetter than normal conditions. The Corps conducted a site visit to verify the wetland boundaries on the 18th and 19th of March, 2020. Based on the APT report, the wetland boundary verification took place during normal climatic conditions.

C. Additional comments to support AJD: None

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	29.897, -82.048
Observation Date	2019-03-19
Elevation (ft)	196.71
Drought Index (PDSI)	Mild drought
WebWIMP H_2O Balance	Wet Season

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2019-03-19	1.677559	4.99252	1.846457	Normal	2	3	6
2019-02-17	1.799213	4.388583	5.425197	Wet	3	2	6
2019-01-18	1.633465	2.691732	3.334646	Wet	3	1	3
Result							Wetter than Normal - 15

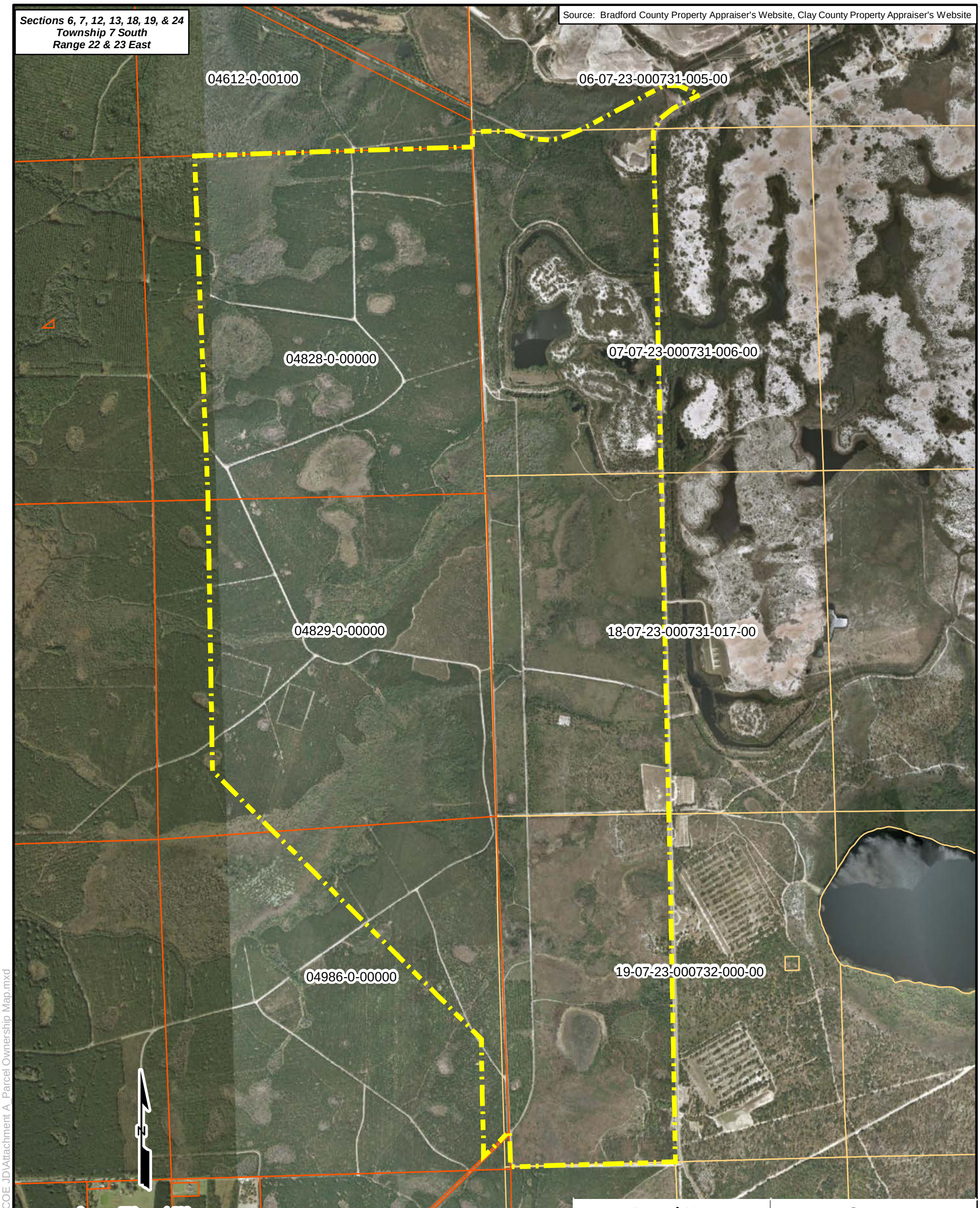
Figure and tables made by the **Antecedent Precipitation Tool** Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days (Normal)	Days (Antecedent)
GAINESVILLE RGNL AP	29.6919, -82.2756	123.031	19.674	73.679	10.303	11353	90

Sections 6, 7, 12, 13, 18, 19, & 24
Township 7 South
Range 22 & 23 East

Source: Bradford County Property Appraiser's Website, Clay County Property Appraiser's Website



Legend

- Delineation Boundary (± 2,218.6 Ac.)
- Bradford County Parcels
- Clay County Parcels

Parcel No.	Owner
04828-0-00000	SRWMD
04829-0-00000	SRWMD
04986-0-00000	SRWMD
06-07-23-000731-005-00	Armory Board State of FL
07-07-23-000731-006-00	
18-07-23-000731-017-00	
19-07-23-000732-000-00	

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www.kleinfelder.com

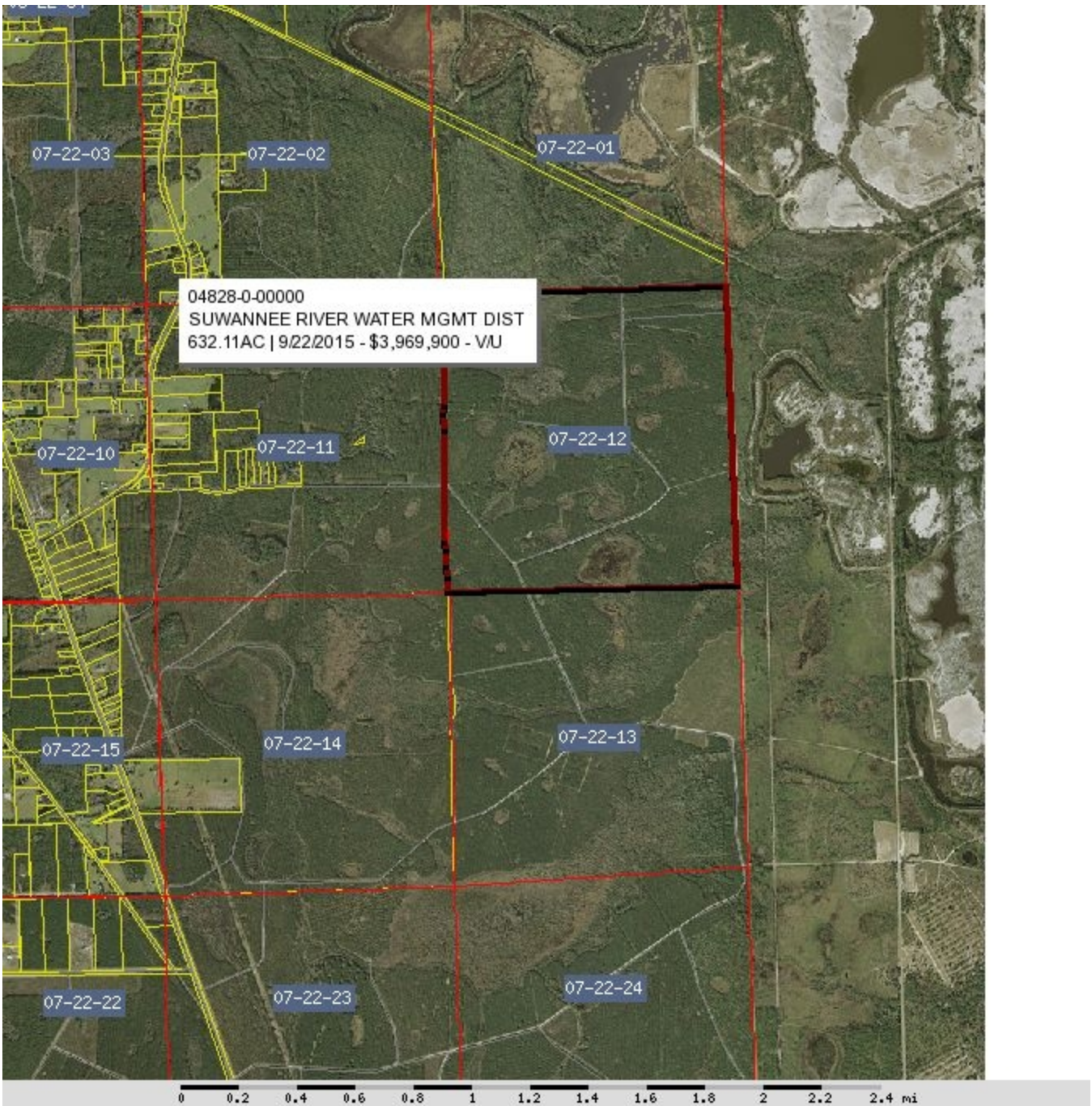
PROJECT NO.	129491.003
DRAWN:	2/7/2019
DRAWN BY:	BM
REVISED BY:	DL
FILE NAME:	See File Pathway

Parcel Ownership Map

Trail Ridge South
The Chemours Company FC, LLC
Bradford & Clay Counties, FL

FIGURE
A

Document Path: G:\DPT_CHM\FM\1_MXD\129491_TRS\ACOE\ACOE_JD\Attachment A_Parcel Ownership Map.mxd



Bradford County Property Appraiser

Kenny Clark, CFA - Starke, Florida - 904-966-6216

PARCEL: 04828-0-00000 05 - WATER MANA (008000)

12 7S 22 12 7S 22 THAT PORT OF THE FOLLOWING THAT PORT OF THE FOLLOWING LYING WITHIN THIS SEC: COM NE LYING WITHIN THIS SEC: COM NE COR OF SEC 12 7 22

Name:	SUWANNEE RIVER WATER MGMT DIST		
Site:	,		
Mail:	9225 CR 49 LIVE OAK, FL 32060		
Sales Info	9/22/2015 $3,969,900.00 V / U 3/17/2014 $0.00 V / U		

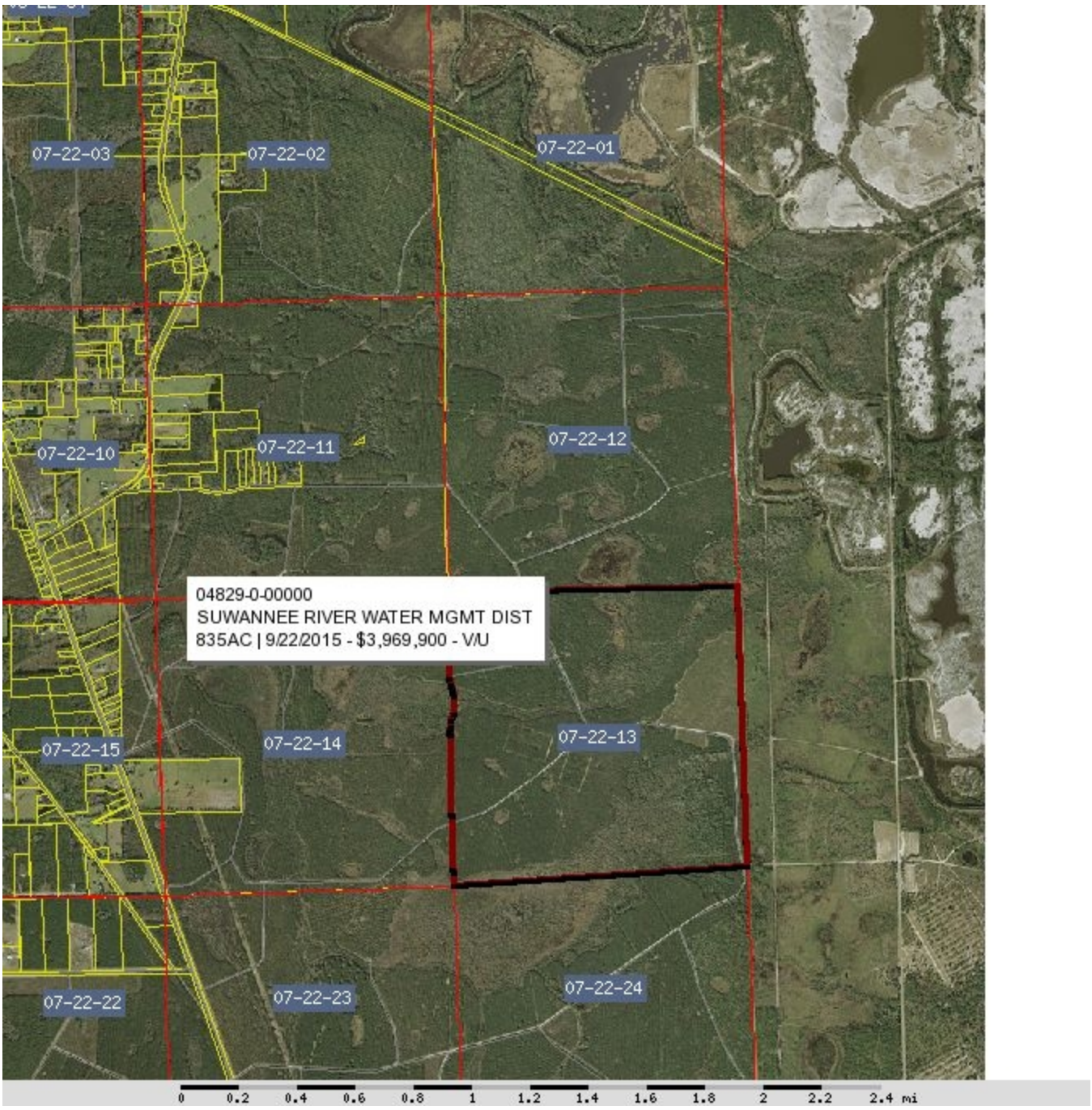
2019 Working Values	
Land	$693,288.00
Bldg	$0.00
Assd	$693,288.00
Exmpt	$91,935.00
Taxbl	County: $0.00 Other: $0.00 | School: $0.00

NOTES:



This information,updated: 2/1/2019, was derived from data which was compiled by the Bradford County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

powered by: GrizzlyLogic.com



Bradford County Property Appraiser

Kenny Clark, CFA - Starke, Florida - 904-966-6216

PARCEL: 04829-0-00000 05 - WATER MANA (008000)

13 7S 22 13 7S 22 THAT PORT OF THE FOLLOWING THAT PORT OF THE FOLLOWING LYING WITHIN THIS SEC: COM NE LYING WITHIN THIS SEC: COM NE COR OF SEC 12 7 22

Name:	SUWANNEE RIVER WATER MGMT DIST		
Site:	,		
Mail:	9225 CR 49 LIVE OAK, FL 32060		
Sales Info	9/22/2015 $3,969,900.00	V / U	
	3/17/2014 $0.00	V / U	

2019 Working Values	
Land	$920,000.00
Bldg	$0.00
Assd	$920,000.00
Exmpt	$920,000.00
Taxbl	County: $0.00 Other: $0.00 | School: $0.00

NOTES:



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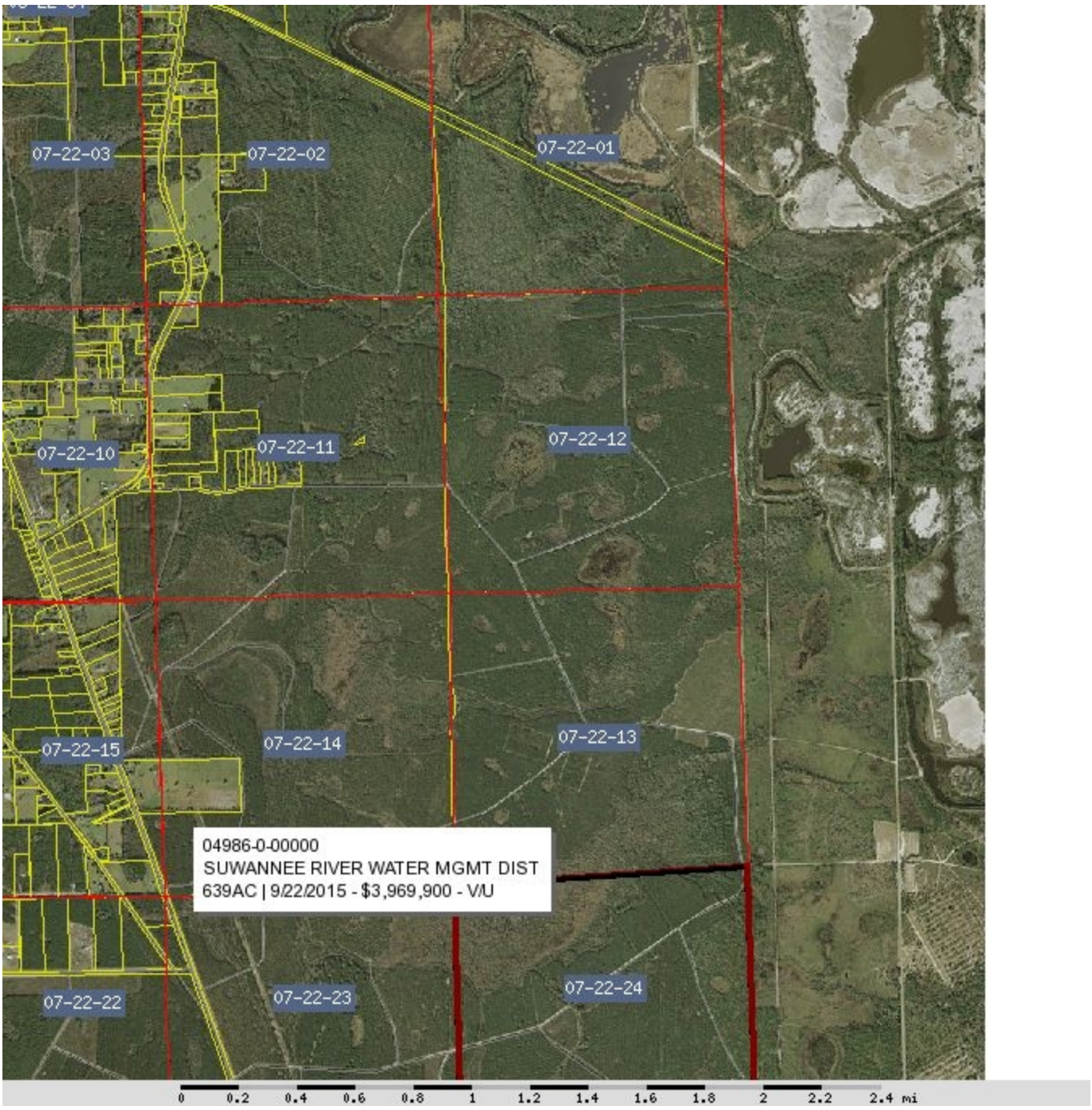

Bradford County Property Appraiser

Kenny Clark, CFA - Starke, Florida - 904-966-6216

PARCEL: 04986-0-00000 05 - WATER MANA (008000)

24 7S 22 24 7S 22 THAT PORT OF THE FOLLOWING THAT PORT OF THE FOLLOWING LYING WITHIN THIS SEC: COM NE LYING WITHIN THIS SEC: COM NE COR OF SEC 12 7 22

Name:	SUWANNEE RIVER WATER MGMT DIST		
Site:	,		
Mail:	9225 CR 49 LIVE OAK, FL 32060		
Sales Info	9/22/2015 $3,969,900.00 V / U 3/17/2014 $0.00 V / U		

2019 Working Values	
Land	$713,200.00
Bldg	$0.00
Assd	$713,200.00
Exmpt	$713,200.00
Taxbl	County: $0.00 Other: $0.00 | School: $0.00

NOTES:



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Clay County Property Appraiser's Office



Overview



Legend

- Parcels
- Roads
- City Labels
- Conservation Easements

State Outlines

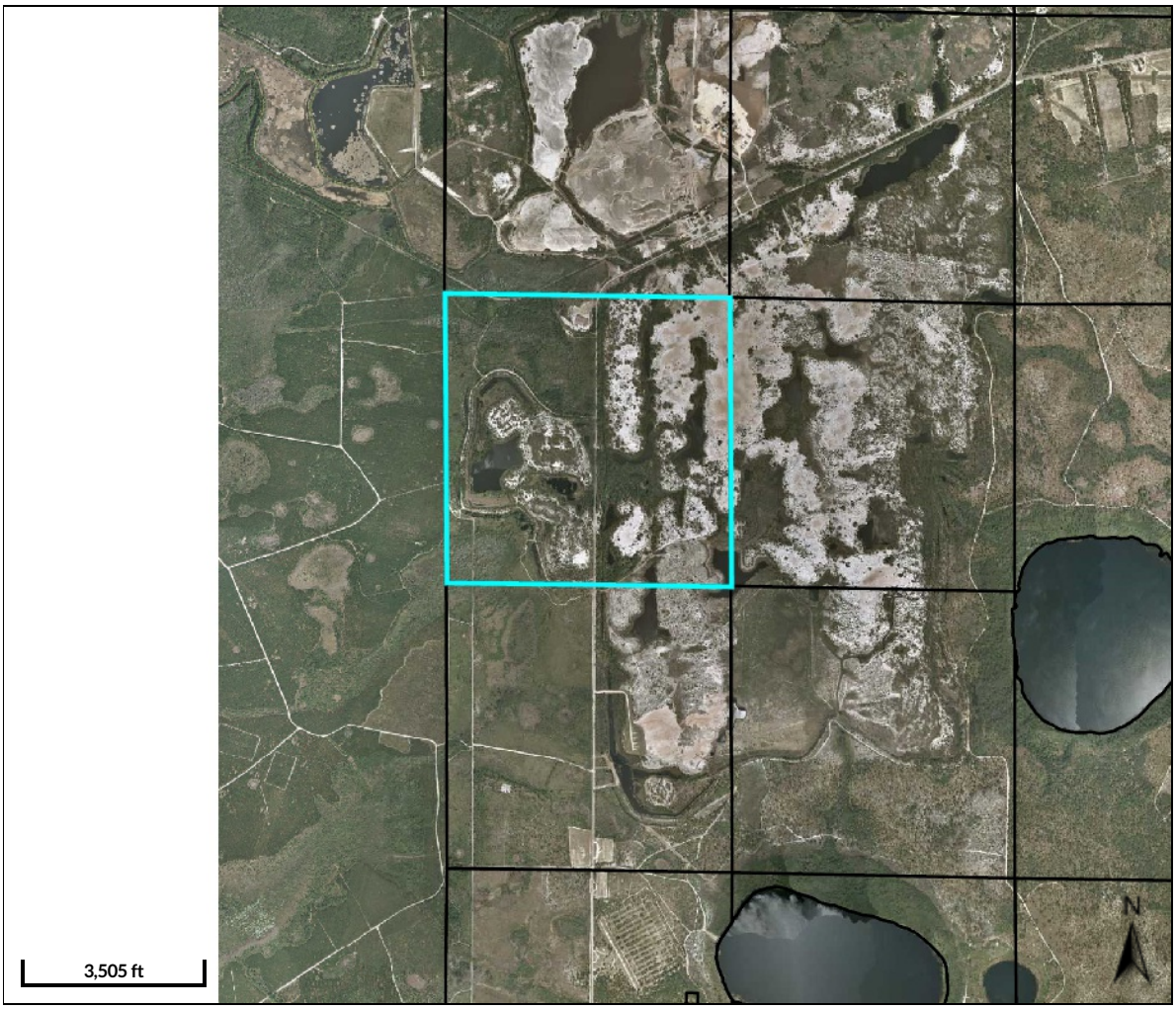
- <all other values>
- Florida

Parcel ID	06-07-23-000731-005-00	**Physical Address**	8700 STATE ROAD 230 STARKE	**Land Value**	$1,274,000	**Last 2 Sales**			
Acres	637	**Mailing Address**	ARMORY BOARD STATE OF FL C/O DEPT OF MIL AFFAIRS/STATE CAMP BLANDING LANDS 82 MARINE ST SAINT AUGUSTINE, FL 320845039	**Ag Land Value**	$0	**Date**	**Price**	**Reason**	**Qual**
Property Class	STATE - VA					n/a	0	n/a	n/a
Taxing District	1			**Building Value**	$0	n/a	0	n/a	n/a
				Misc Value	$0				
				Just Value	$1,274,000				
				Assessed Value	$1,271,770				
				Exempt Value	$1,271,770				
				Taxable Value	$0				

Date created: 2/18/2019
Last Data Uploaded: 2/18/2019 7:36:18 AM

Developed by Schneider GEOSPATIAL

Clay County Property Appraiser's Office





Legend

- Parcels
- Roads
- City Labels
- Conservation Easements

State Outlines

- <all other values>
- Florida

Parcel ID	07-07-23-000731-006-00	**Physical Address**	8700 COUNTY ROAD 230 KEYSTONE HEIGHTS	**Land Value**	$1,276,000	**Last 2 Sales**			
Acres	638	**Mailing Address**	ARMORY BOARD STATE OF FL C/O DEPT OF MIL AFFAIRS/STATE CAMP BLANDING LANDS 82 MARINE ST SAINT AUGUSTINE, FL 320845039	**Ag Land Value**	$0	**Date**	**Price**	**Reason**	**Qual**
Property Class	STATE - VA					n/a	0	n/a	n/a
Taxing District	1			**Building Value**	$0	n/a	0	n/a	n/a
				Misc Value	$0				
				Just Value	$1,276,000				
				Assessed Value	$1,273,770				
				Exempt Value	$1,273,770				
				Taxable Value	$0				

Date created: 2/18/2019
Last Data Uploaded: 2/18/2019 7:36:18 AM

Developed by Schneider GEOSPATIAL

Clay County Property Appraiser's Office





Legend

- Parcels
- Roads
- City Labels
- Conservation Easements

State Outlines

- <all other values>
- Florida

Parcel ID	18-07-23-000731-017-00	**Physical Address**	8700 STATE ROAD 21 KEYSTONE HEIGHTS	**Land Value**	$1,276,000	**Last 2 Sales**			
Acres	638	**Mailing Address**	ARMORY BOARD STATE OF FL C/O DEPT OF MIL AFFAIRS/STATE CAMP BLANDING LANDS 82 MARINE ST SAINT AUGUSTINE, FL 320845039	**Ag Land Value**	$0	**Date**	**Price**	**Reason**	**Qual**
Property Class	STATE - VA					n/a	0	n/a	n/a
Taxing District	1			**Building Value**	$0	n/a	0	n/a	n/a
				Misc Value	$0				
				Just Value	$1,276,000				
				Assessed Value	$1,273,770				
				Exempt Value	$1,273,770				
				Taxable Value	$0				

Date created: 2/18/2019
Last Data Uploaded: 2/18/2019 7:36:18 AM

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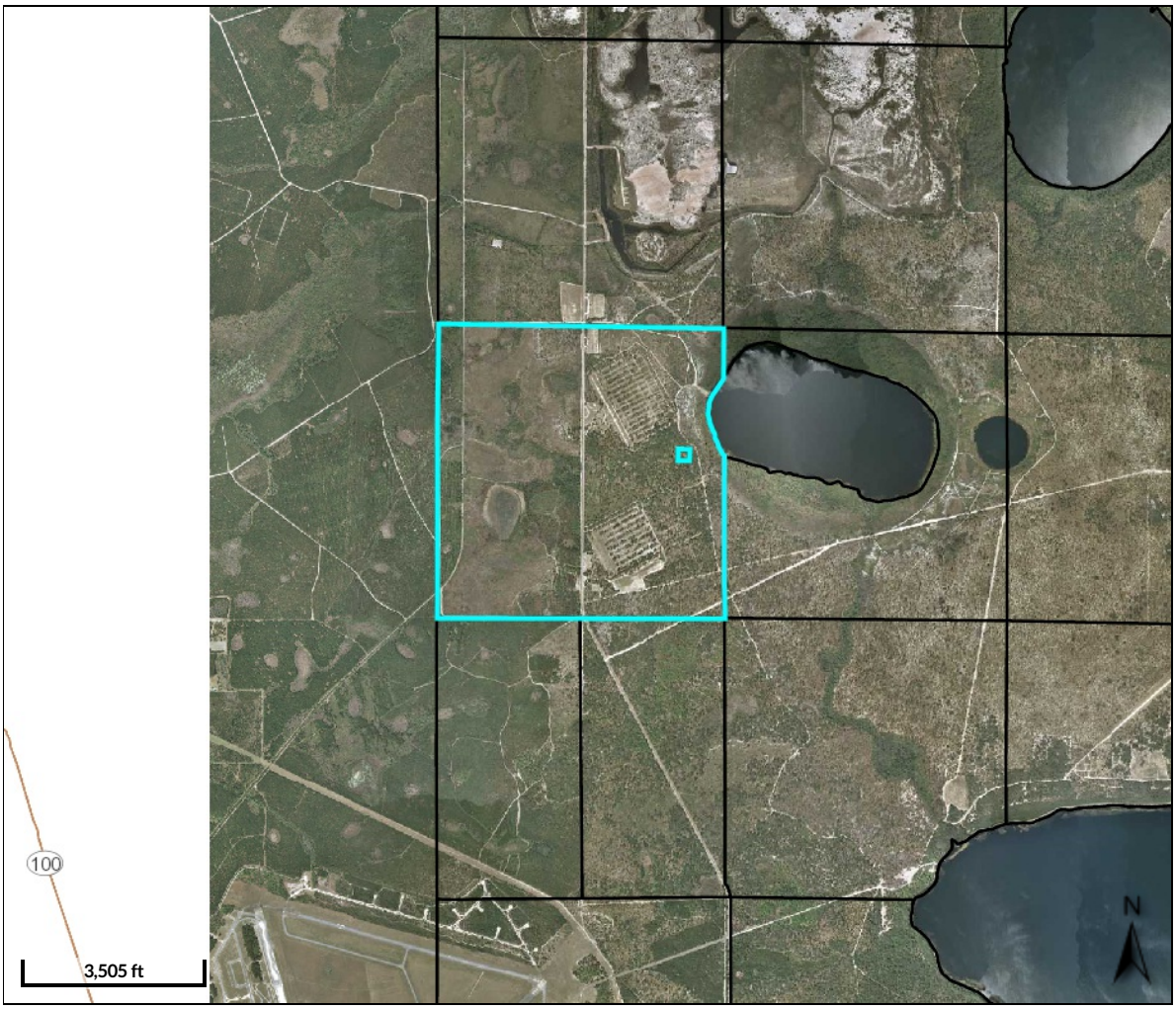
Clay County Property Appraiser's Office





Legend

- Parcels
- Roads
- City Labels
- Conservation Easements

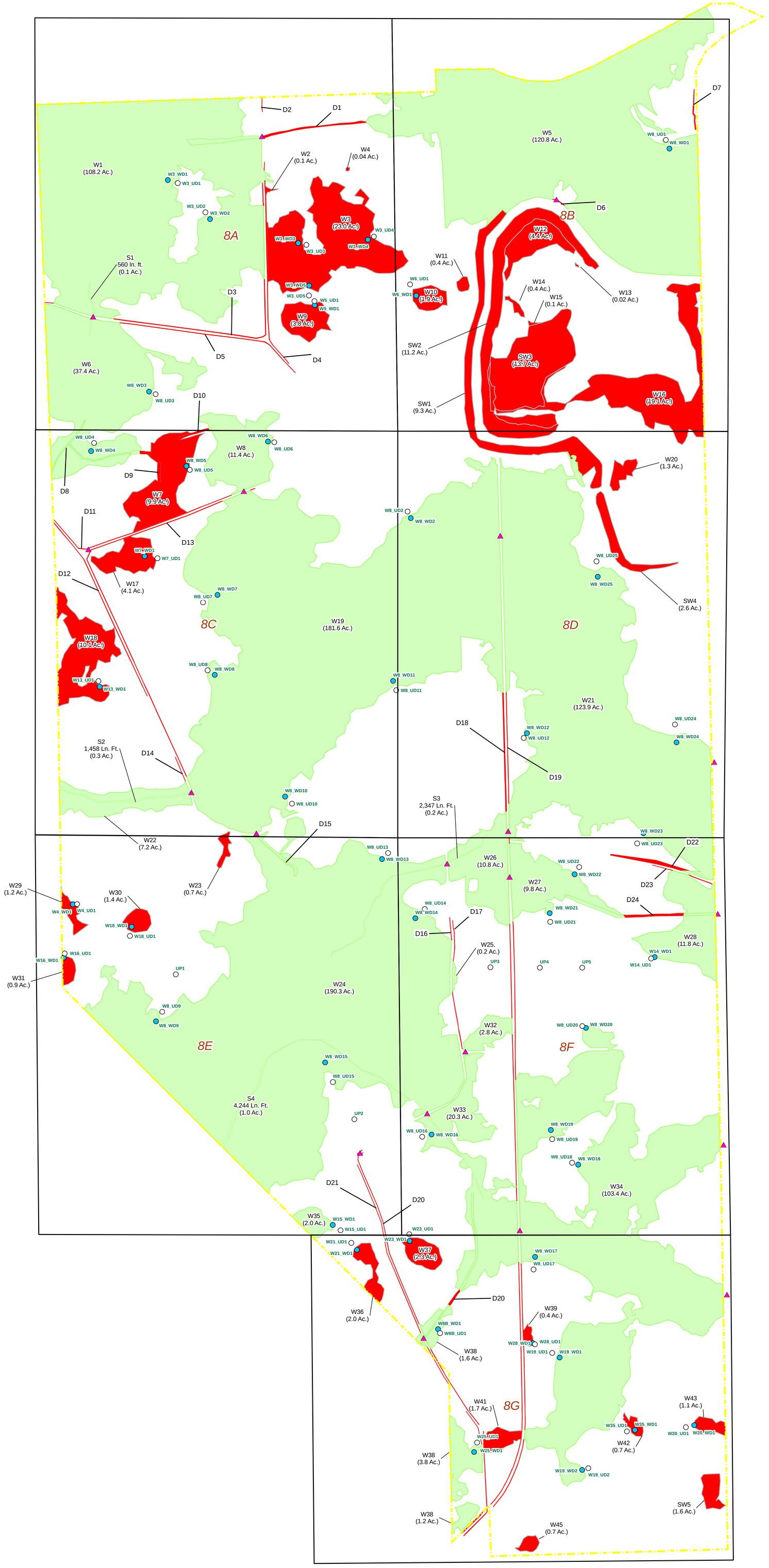
State Outlines

- <all other values>
- Florida

Parcel ID	19-07-23-000732-000-00	**Physical Address**	TREAT RD KEYSTONE HEIGHTS	**Land Value**	$1,276,000	**Last 2 Sales**			
Acres	638	**Mailing Address**	ARMORY BOARD STATE OF FL C/O DEPT OF MIL AFFAIRS/STATE CAMP BLANDING LANDS 82 MARINE ST SAINT AUGUSTINE, FL 320845039	**Ag Land Value**	$0	**Date**	**Price**	**Reason**	**Qual**
Property Class	STATE - VA					n/a	0	n/a	n/a
Taxing District	1			**Building Value**	$0	n/a	0	n/a	n/a
				Misc Value	$0				
				Just Value	$1,276,000				
				Assessed Value	$1,273,770				
				Exempt Value	$1,273,770				
				Taxable Value	$0				

Date created: 2/18/2019
Last Data Uploaded: 2/18/2019 7:36:18 AM

Developed by Schneider GEOSPATIAL



Sections 12, 13 & 24, Township 7 South, Range 22 East
Sections 6, 7, 18 & 19, Township 7 South, Range 23 East

Image obtained from ESRI Basemap. Orgin: State of Florida Orthos for Bradford and Clay Counties. Date: Bradford County 2016 and Clay County 2017

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Legend

- Approved Jurisdictional Determination Boundary (± 2,218.6 Ac.)
- Map 8A-8G Frames

Waters of the United States Determination

- Non-Jurisdictional
- Jurisdictional
- Culvert
- Wetland Datapoints (48)
- Upland Datapoints (53)

NO.	REVISION	BY	DATE
1	REVISION 1	MNA	5/1/2019
2	REVISION 2	MNA	9/10/2020

N W E S

0 200 400 Feet

1 inch = 400 feet

FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DESIGNED BY: BM
DRAWN BY: BM
CHECKED BY: DL

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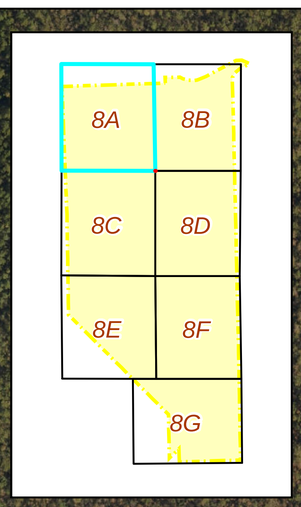
Bright People. Right Solutions.

PROJ NO. 129491.003
FILE: Fig 8_Aquatic Resources Map_ Overal_9.10.20_DRAFTI.mxd

Aquatic Resource Map

Trail Ridge South
The Chemours Company FC, LLC.
Bradford and Clay Counties, Florida

DATE: 5/1/2019
SCALE: 1:4,800
SHEET: **8**
1 of **8** sheets



D2
D1
W4
(0.04 Ac.)
W2
(0.1 Ac.)
W1
(108.2 Ac.)
W3
(23.0 Ac.)
8B
8A
S1
560 ln. ft.
(0.1 Ac.)
W11
(0.4 Ac.)
W10
(1.9 Ac.)
D3
D4
D5
W9
(3.8 Ac.)
W6
(37.4 Ac.)
W8
(11.4 Ac.)
8C
8D
D10
D9
D8
W7
(9.9 Ac.)
D11
D13
W19
(181.6 Ac.)

Sections 12, 13 & 24, Township 7 South, Range 22 East
Sections 6, 7, 18 & 19, Township 7 South, Range 23 East

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Image obtained from ESRI Basemap. Orgin: State of Florida Orthos for Bradford and Clay Counties. Date: Bradford County 2016 and Clay County 2017

Legend

- Approved Jurisdictional Determination Boundary (± 2,218.6 Ac.)
- Map 8A-8G Frames

Waters of the United States Determination

- Non-Jurisdictional
- Jurisdictional
- Culvert
- Wetland Datapoints (48)
- Upland Datapoints (53)

NO.	REVISION	BY	DATE
△	Revision 1	MNA	5/1/2019
△	Revision 2	MNA	9/10/2019
△	Revision 3	LCS	9/28/2020
△			
△			

N W E S

0 75 150 Feet

1 inch = 150 feet

FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DESIGNED BY: BM
DRAWN BY: LS
CHECKED BY: DL

KLEINFELDER
Bright People. Right Solutions.

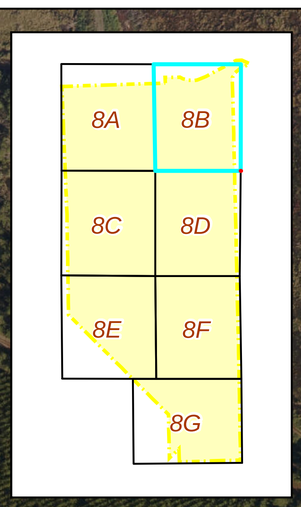
PROJ NO. 00129491.003A
FILE: Fig 8A-8G_Aquatic Resource Map3.mxd

Aquatic Resource Map

The Chemours Company FC, LLC
Trail Ridge South
Bradford & Clay Counties, FL

DATE: 5/1/2019
SCALE: 1:1,800
FIGURE: 8A
2 of 8 sheets

Document Path: G:\DPT_CHMFMN_MXD\129491_TRS\AJD 2020\Fig 8A-8G_Aquatic Resource Map3.mxd; Plotted: 9/29/2020, 2:43:37 PM, LCSmith



D1

D6

D7

W3
(23.0 Ac.)

W4
(0.04 Ac.)

W5
(120.8 Ac.)

W9
(3.8 Ac.)

W10
(1.9 Ac.)

W11
(0.4 Ac.)

W12
(4.4 Ac.)

W13
(0.02 Ac.)

W14
(0.4 Ac.)

W15
(0.1 Ac.)

W16
(19.1 Ac.)

W19
(181.6 Ac.)

W20
(1.3 Ac.)

W21
(123.9 Ac.)

SW1
(9.3 Ac.)

SW2
(11.2 Ac.)

SW3
(13.7 Ac.)

SW4
(2.6 Ac.)

W3_UD4

W3_WD4

W6_UD1

W6_WD1

W8_UD1

W8_WD1

W8_UD2

W8_WD2

Sections 12, 13 & 24, Township 7 South, Range 22 East
Sections 6, 7, 18 & 19, Township 7 South, Range 23 East

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Image obtained from ESRI Basemap. Orgin: State of Florida Orthos for Bradford and Clay Counties. Date: Bradford County 2016 and Clay County 2017

Legend

- Approved Jurisdictional Determination Boundary (± 2,218.6 Ac.)
- Map 8A-8G Frames

Waters of the United States Determination

- Non-Jurisdictional
- Jurisdictional
- Culvert
- Wetland Datapoints (48)
- Upland Datapoints (53)

NO.	REVISION	BY	DATE
△	Revision 1	MNA	5/1/2019
△	Revision 2	MNA	9/10/2019
△	Revision 3	LCS	9/28/2020
△			
△			

N W E S

0 75 150 Feet

1 inch = 150 feet

FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DESIGNED BY: BM

DRAWN BY: LS

CHECKED BY: DL

KLEINFELDER
Bright People. Right Solutions.

PROJ NO. 00129491.003A

FILE: Fig 8A-8G_Aquatic Resource Map3.mxd

Aquatic Resource Map

The Chemours Company FC, LLC
Trail Ridge South
Bradford & Clay Counties, FL

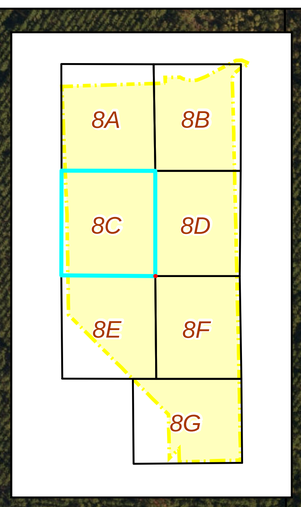
DATE: 5/1/2019

SCALE: 1:1,800

FIGURE: 8B

3 of 8 sheets

Document Path: G:\DPT_CHMFMM1_MXD\129491_TRS\AJD 2020\Fig 8A-8G_Aquatic Resource Map3.mxd; Plotted: 9/29/2020, 2:44:06 PM, LCSmith



W6
(37.4 Ac.)

W7
(9.9 Ac.)

W8
(11.4 Ac.)

W9
(3.8 Ac.)

W17
(4.1 Ac.)

W18
(10.1 Ac.)

W19
(181.6 Ac.)

W22
(7.2 Ac.)

W23
(0.7 Ac.)

W24
(190.3 Ac.)

W29
(1.2 Ac.)

W30
(1.4 Ac.)

S2
1,458 Ln. Ft.
(0.3 Ac.)

S3
2,347 Ln. Ft.
(0.2 Ac.)

D3 D4 D5 D8 D9 D10 D11 D12 D13 D14 D16 D17

W8_WD1 W8_UD1 W8_WD2 W8_UD2 W8_WD3 W8_UD3 W8_WD4 W8_UD4 W8_WD5 W8_UD5 W8_WD6 W8_UD6 W8_WD7 W8_UD7 W8_WD8 W8_UD8 W8_WD10 W8_UD10 W8_WD11 W8_UD11 W8_WD13 W8_UD13 W8_WD14 W8_UD14 W7_WD1 W7_UD1 W13_WD1 W13_UD1 W4_WD1 W4_UD1 W18_WD1 W18_UD1

Sections 12, 13 & 24, Township 7 South, Range 22 East
Sections 6, 7, 18 & 19, Township 7 South, Range 23 East

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Image obtained from ESRI Basemap. Orgin: State of Florida Orthos for Bradford and Clay Counties. Date: Bradford County 2016 and Clay County 2017

Legend

- Approved Jurisdictional Determination Boundary (± 2,218.6 Ac.)
- Map 8A-8G Frames

Waters of the United States Determination

- Non-Jurisdictional
- Jurisdictional
- Culvert
- Wetland Datapoints (48)
- Upland Datapoints (53)

NO.	REVISION	BY	DATE
△	Revision 1	MNA	5/1/2019
△	Revision 2	MNA	9/10/2019
△	Revision 3	LCS	9/28/2020
△			
△			

N W E S

0 75 150 Feet

1 inch = 150 feet

FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DESIGNED BY: BM

DRAWN BY: LS

CHECKED BY: DL

KLEINFELDER
Bright People. Right Solutions.

PROJ NO. 00129491.003A

FILE: Fig 8A-8G_Aquatic Resource Map3.mxd

Aquatic Resource Map

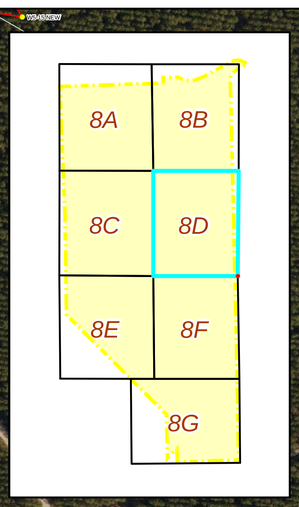
The Chemours Company FC, LLC
Trail Ridge South
Bradford & Clay Counties, FL

DATE: 5/1/2019

SCALE: 1:1,800

FIGURE: 8C

4 of 8 sheets



SW3
(13.7 Ac.)
8B
W16
(19.1 Ac.)
SW2
(11.2 Ac.)
SW1
(9.3 Ac.)
W20
(1.3 Ac.)
SW4
(2.6 Ac.)
W21
(123.9 Ac.)
W19
(181.6 Ac.)
W8_UD2
W8_WD2
W19
(181.6 Ac.)
8C
8D
W21
(123.9 Ac.)
W8_UD25
W8_WD25
W21
(123.9 Ac.)
SW4
(2.6 Ac.)
W8_UD24
W8_WD24
W8_WD11
W8_UD11
W8_UD12
W8_WD12
D18
D19
S3
2,347 Ln. Ft.
(0.2 Ac.)
W8_UD13
W8_WD13
W26
(10.8 Ac.)
W24
(190.3 Ac.)
W8_UD22
W8_WD22
W8_WD23
W8_UD23
D22
D23
D24
8E
8F
W27
(9.8 Ac.)
D17
D16
W8_UD14
W8_WD14
W8_WD21
W8_UD21
W28
(11.8 Ac.)

Sections 12, 13 & 24, Township 7 South, Range 22 East
Sections 6, 7, 18 & 19, Township 7 South, Range 23 East

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Legend

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- Map 8A-8G Frames

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- Upland Datapoints (53)

NO.	REVISION	BY	DATE
△	Revision 1	MNA	5/1/2019
△	Revision 2	MNA	9/10/2020
△	Revision 3	LCS	9/28/2020
△			
△			

N W E S

0 75 150 Feet

1 inch = 150 feet

FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DESIGNED BY: BM
DRAWN BY: LS
CHECKED BY: DL

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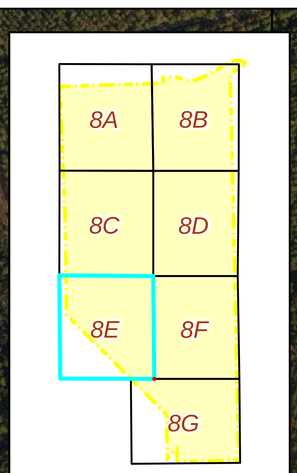
PROJ NO. 00129491.003A
FILE: Fig 8A-8G_Aquatic Resource Map3.mxd

Aquatic Resource Map

The Chemours Company FC, LLC
Trail Ridge South
Bradford & Clay Counties, FL

DATE: 5/1/2019
SCALE: 1:1,800
FIGURE: 8D
5 of 8 sheets

Document Path: G:\DPT_CHM\FMU_MXD\129491_TRS\AJD 2020\Fig 8A-8G_Aquatic Resource Map3.mxd, Plotted: 9/29/2020, 2:45:05 PM, LCSmith



S2
1,458 Ln. Ft.
(0.3 Ac.)

D14

D13

8C

8D

S3
2,347 Ln. Ft.
(0.2 Ac.)

W22
(7.2 Ac.)

W23
(0.7 Ac.)

W24
(190.3 Ac.)

W29
(1.2 Ac.)

W30
(1.4 Ac.)

W31
(0.9 Ac.)

D17

D16

8E

8F

S4
4,244 Ln. Ft.
(1.0 Ac.)

W33
(20.3 Ac.)

D21

D20

W35
(2.0 Ac.)

W37
(2.3 Ac.)

8G

W38
(1.6 Ac.)

W36
(2.0 Ac.)

Sections 12, 13 & 24, Township 7 South, Range 22 East
Sections 6, 7, 18 & 19, Township 7 South, Range 23 East

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NO.	REVISION	BY	DATE
1	Revision 1	MNA	5/1/2019
2	Revision 2	MNA	9/10/2019
3	Revision 3	LCS	9/28/2020

N
W E
S

0 75 150
Feet

1 inch = 150 feet

FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DESIGNED BY: BM

DRAWN BY: LS

CHECKED BY: DL

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PROJ NO. 00129491.003A

FILE: Fig 8A-8G_Aquatic Resource Map3.mxd

Aquatic Resource Map

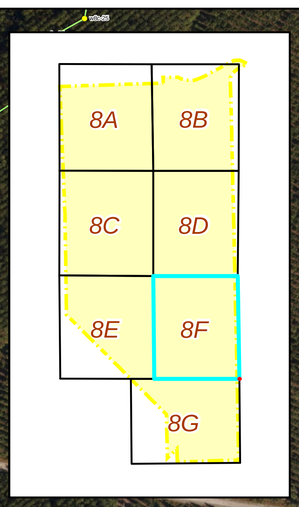
The Chemours Company FC, LLC
Trail Ridge South
Bradford & Clay Counties, FL

DATE: 5/1/2019

SCALE: 1:1,800

FIGURE: 8E

6 of 8 sheets



D18
D19
8D
W21
(123.9 Ac.)
S3
2,347 Ln. Ft.
(0.2 Ac.)
W8|UD12
W8|WD12
W8|WD24
W8|WD23
W8|UD23
D22
D23
D24
W26
(10.8 Ac.)
W24
(190.3 Ac.)
W8|UD13
W8|WD13
W8|UD22
W8|WD22
W27
(9.8 Ac.)
W28
(11.8 Ac.)
D17
D16
W8|UD14
W8|WD14
W8|UD21
W8|WD21
W25.
(0.2 Ac.)
UP3
UP4
UP5
D19
D18
W14|WD1
W14|UD1
W24
(190.3 Ac.)
8E
8F
W32
(2.8 Ac.)
W8|UD20
W8|WD20
W8|UD15
W33
(20.3 Ac.)
UP2
W8|WD19
W8|UD19
W8|UD16
W8|WD16
W8|UD18
W8|WD18
W34
(103.4 Ac.)
D21
D20
W15|WD1
W15|UD1
W23|UD1
W23|WD1
W21|UD1
W21|WD1
W37
(2.3 Ac.)
W8|WD17
W8|UD17
8G
W38
(1.6 Ac.)
W36
(2.0 Ac.)
W8B|WD1
W8B|UD1
W39
(0.4 Ac.)

Sections 12, 13 & 24, Township 7 South, Range 22 East
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△	Revision 3	LCS	9/28/2020
△			
△			

N W E S

0 75 150 Feet

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FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DESIGNED BY: BM
DRAWN BY: LS
CHECKED BY: DL

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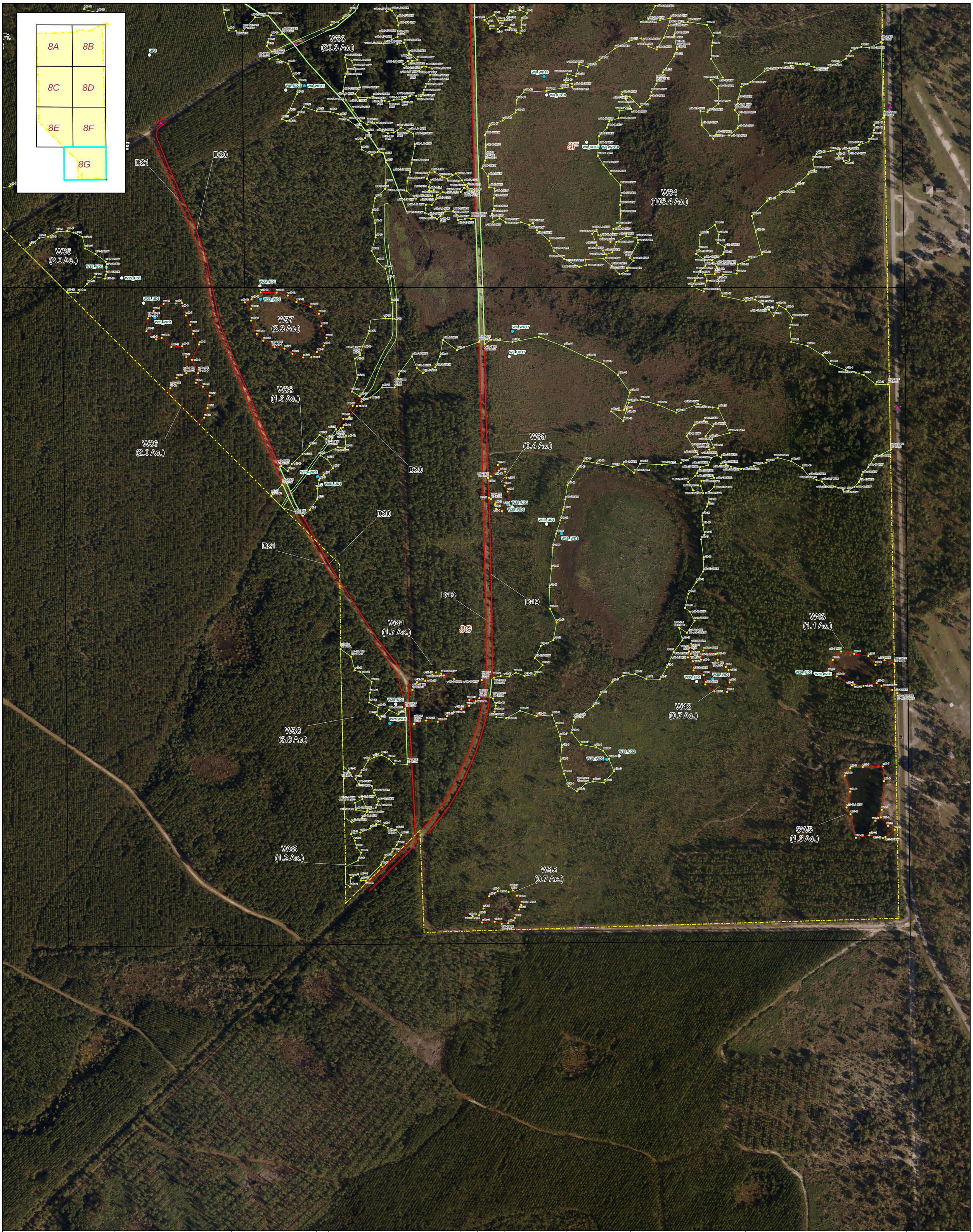
PROJ NO. 00129491.003A
FILE: Fig 8A-8G_Aquatic Resource Map3.mxd

Aquatic Resource Map

The Chemours Company FC, LLC
Trail Ridge South
Bradford & Clay Counties, FL

DATE: 5/1/2019
SCALE: 1:1,800
FIGURE: 8F
7 of 8 sheets

Document Path: G:\DPT_CHM\FM\1_MXD\129491_TRS\AJD 2020\Fig 8A-8G_Aquatic Resource Map3.mxd. Plotted: 9/29/2020, 2:46:04 PM, LCSmith



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△	Revision 3	LCS	9/28/2020
△			
△			

N
W E
S

0 75 150 Feet

1 inch = 150 feet

FOR REDUCED PLANS:
ORIGINAL IN INCHES
0 0.5 1.0 1.5 2.0

DESIGNED BY: BM
DRAWN BY: LS
CHECKED BY: DL

KLEINFELDER
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PROJ NO. 00129491.003A
FILE: Fig 8A-8G_Aquatic Resource Map3.mxd

Aquatic Resource Map

The Chemours Company FC, LLC
Trail Ridge South
Bradford & Clay Counties, FL

DATE: 5/1/2019
SCALE: 1:1,800
FIGURE: 8G
8 of 8 sheets

Document Path: G:\DPT_CHM\FM\1_MXD\129491_TRS\AJD 2020\Fig 8A-8G_Aquatic Resource Map3.mxd; Plotted: 9/29/2020, 2:46:39 PM, LCSmith

Waters_Name	State	Cowardin_Code	HGM_Code	Meas_Type	Amount	Units	Waters_Type	NWPR_Determine_Code	Latitude	Longitude	Local_Waterway
S1	FLORIDA	R4	RIVERINE	Linear	560	FOOT	A2TRIBINT		29.902326°	-82.059766°	
S2	FLORIDA	R4	RIVERINE	Linear	1458	FOOT	A2TRIBINT		29.887738°	-82.058476°	
S3	FLORIDA	R4	RIVERINE	Linear	2347	FOOT	A2TRIBINT		29.884723°	-82.050371°	
S4	FLORIDA	R4	RIVERINE	Linear	4244	FOOT	A2TRIBINT		29.880456°	-82.052542°	
W1	FLORIDA	PFO	DEPRESS	Area	108.19	ACRE	A4WETABUT		29.905644°	-82.058823°	
W2	FLORIDA	PFO	DEPRESS	Area	0.1	ACRE	B1WETNONADJ		29.905796°	-82.053705°	
W3	FLORIDA	PFO	DEPRESS	Area	22.99	ACRE	B1WETNONADJ		29.904048°	-82.051257°	
W4	FLORIDA	PFO	DEPRESS	Area	0.04	ACRE	B1WETNONADJ		29.906367°	-82.050994°	
W5	FLORIDA	PFO	DEPRESS	Area	120.76	ACRE	A4WETARTSEP		29.906531°	-82.042129°	
W6	FLORIDA	PFO	DEPRESS	Area	37.39	ACRE	A4WETABUT		29.900048°	-82.059988°	
W7	FLORIDA	PFO	DEPRESS	Area	9.89	ACRE	B1WETNONADJ		29.897006°	-82.057461°	
W8	FLORIDA	PFO	DEPRESS	Area	11.43	ACRE	A4WETARTSEP		29.897812°	-82.054859°	
W9	FLORIDA	PFO	DEPRESS	Area	3.77	ACRE	B1WETNONADJ		29.901914°	-82.052647°	
W10	FLORIDA	PFO	DEPRESS	Area	1.87	ACRE	B1WETNONADJ		29.902463°	-82.048293°	
W11	FLORIDA	PFO	DEPRESS	Area	0.4	ACRE	B1WETNONADJ		29.902833°	-82.047128°	
W12	FLORIDA	PFO	DEPRESS	Area	4.44	ACRE	B1WETNONADJ		29.904221°	-82.044632°	
W13	FLORIDA	PFO	DEPRESS	Area	0.02	ACRE	B1WETNONADJ		29.903358°	-82.043213°	
W14	FLORIDA	PFO	DEPRESS	Area	0.36	ACRE	B1WETNONADJ		29.902119°	-82.045299°	
W15	FLORIDA	PFO	DEPRESS	Area	0.08	ACRE	B1WETNONADJ		29.901631°	-82.044779°	
W16	FLORIDA	PFO	DEPRESS	Area	19.09	ACRE	B1WETNONADJ		29.899425°	-82.040856°	
W17	FLORIDA	PFO	DEPRESS	Area	4.08	ACRE	B1WETNONADJ		29.894934°	-82.058712°	
W18	FLORIDA	PFO	DEPRESS	Area	10.07	ACRE	B1WETNONADJ		29.892191°	-82.060229°	
W19	FLORIDA	PFO	DEPRESS	Area	181.56	ACRE	A4WETARTSEP		29.891920°	-82.052217°	
W20	FLORIDA	PFO	DEPRESS	Area	1.29	ACRE	B1WETNONADJ		29.897080°	-82.041867°	
W21	FLORIDA	PFO	DEPRESS	Area	123.89	ACRE	A4WETARTSEP		29.889151°	-82.043090°	
W22	FLORIDA	PFO	DEPRESS	Area	7.22	ACRE	A4WETABUT		29.887616°	-82.058400°	
W23	FLORIDA	PFO	DEPRESS	Area	0.67	ACRE	B1WETNONADJ		29.886260°	-82.055650°	
W24	FLORIDA	PFO	DEPRESS	Area	190.29	ACRE	A4WETABUT		29.881323°	-82.051274°	
W25	FLORIDA	PFO	DEPRESS	Area	0.23	ACRE	A4WETARTSEP		29.882140°	-82.047877°	
W26	FLORIDA	PFO	DEPRESS	Area	10.86	ACRE	A4WETABUT		29.885558°	-82.046645°	
W27	FLORIDA	PFO	DEPRESS	Area	9.82	ACRE	A4WETNATSEP		29.884957°	-82.044790°	
W28	FLORIDA	PFO	DEPRESS	Area	11.82	ACRE	A4WETARTSEP		29.883609°	-82.039554°	
W29	FLORIDA	PFO	DEPRESS	Area	1.22	ACRE	B1WETNONADJ		29.884443°	-82.061022°	
W30	FLORIDA	PFO	DEPRESS	Area	1.38	ACRE	B1WETNONADJ		29.884076°	-82.058720°	
W31	FLORIDA	PFO	DEPRESS	Area	0.88	ACRE	B1WETNONADJ		29.882621°	-82.061093°	
W32	FLORIDA	PFO	DEPRESS	Area	2.77	ACRE	A4WETARTSEP		29.880603°	-82.046720°	
W33	FLORIDA	PFO	DEPRESS	Area	20.35	ACRE	A4WETABUT		29.877922°	-82.047536°	
W34	FLORIDA	PFO	DEPRESS	Area	103.42	ACRE	A4WETARTSEP		29.874892°	-82.042693°	
W35	FLORIDA	PFO	DEPRESS	Area	1.99	ACRE	A4WETARTSEP		29.874985°	-82.052961°	
W36	FLORIDA	PFO	DEPRESS	Area	2.03	ACRE	B1WETNONADJ		29.873494°	-82.050899°	
W37	FLORIDA	PFO	DEPRESS	Area	2.34	ACRE	B1WETNONADJ		29.873996°	-82.049214°	
W38	FLORIDA	PFO	DEPRESS	Area	6.6	ACRE	A4WETARTSEP		29.867914°	-82.048039°	
W39	FLORIDA	PFO	DEPRESS	Area	0.43	ACRE	B1WETNONADJ		29.871454°	-82.045668°	
W41	FLORIDA	PFO	DEPRESS	Area	1.72	ACRE	B1WETNONADJ		29.868378°	-82.046697°	
W42	FLORIDA	PFO	DEPRESS	Area	0.7	ACRE	B1WETNONADJ		29.868726°	-82.042108°	
W43	FLORIDA	PFO	DEPRESS	Area	1.12	ACRE	B1WETNONADJ		29.868673°	-82.039586°	
W45	FLORIDA	PFO	DEPRESS	Area	0.69	ACRE	B1WETNONADJ		29.865267°	-82.045747°	
SW1	FLORIDA	L1OW	LACUSTRINF	Area	9.32	ACRE	B8LPIART	Yes - would NOT have been an (a	29.900848°	-82.046938°	
SW2	FLORIDA	L1OW	LACUSTRINF	Area	11.22	ACRE	B8LPIART	Yes - would NOT have been an (a	29.901028°	-82.046354°	
SW3	FLORIDA	L1OW	LACUSTRINF	Area	13.65	ACRE	B8LPIART	Yes - would NOT have been an (a	29.900354°	-82.044796°	
SW4	FLORIDA	L1OW	LACUSTRINF	Area	2.58	ACRE	B8LPIART	Yes - would NOT have been an (a	29.894869°	-82.042058°	
SW5	FLORIDA	L1OW	LACUSTRINF	Area	1.6	ACRE	B8LPIART	Yes - would NOT have been an (a	29.866681°	-82.039412°	
D1	FLORIDA	PEM	DEPRESS	Area	0.77	ACRE	A4WETABUT		29.907308°	-82.055103°	
D1 Upland Cut	FLORIDA	U	DEPRESS	Area	0.43	ACRE	B5DITCH	Yes - would NOT have been an (a	29.907678°	-82.051786°	
D2 Upland Cut	FLORIDA	U	DEPRESS	Area	0.007	ACRE	B5DITCH	Yes - would NOT have been an (a	29.908483°	-82.053868°	
D3	FLORIDA	PEM	DEPRESS	Area	0.14	ACRE	A4WETABUT		29.904224°	-82.053896°	
D3 Upland Cut	FLORIDA	U	DEPRESS	Area	0.11	ACRE	B5DITCH	Yes - would NOT have been an (a	29.901423°	-82.054059°	
D4 Upland Cut	FLORIDA	U	DEPRESS	Area	0.24	ACRE	B5DITCH	Yes - would NOT have been an (a	29.903773°	-82.053799°	
D5	FLORIDA	PEM	DEPRESS	Area	0.05	ACRE	A4WETABUT		29.902115°	-82.059956°	
D5 Upland Cut	FLORIDA	U	DEPRESS	Area	0.18	ACRE	B5DITCH	Yes - would NOT have been an (a	29.901301°	-82.054188°	
D6 Upland Cut	FLORIDA	U	DEPRESS	Area	0.01	ACRE	B5DITCH	Yes - would NOT have been an (a	29.905277°	-82.043767°	
D7 Upland Cut	FLORIDA	U	DEPRESS	Area	0.08	ACRE	B5DITCH	Yes - would NOT have been an (a	29.907826°	-82.039120°	
D8	FLORIDA	PEM	DEPRESS	Area	0.41	ACRE	A4WETABUT		29.897840°	-82.059873°	
D8 Upland Cut	FLORIDA	U	DEPRESS	Area	0.08	ACRE	B5DITCH	Yes - would NOT have been an (a	29.898046°	-82.058141°	
D9 Upland Cut	FLORIDA	U	DEPRESS	Area	0.13	ACRE	B5DITCH	Yes - would NOT have been an (a	29.897439°	-82.057673°	
D10	FLORIDA	PEM	DEPRESS	Area	0.01	ACRE	A4WETARTSEP		29.898735°	-82.055862°	
D10 Upland Cut	FLORIDA	U	DEPRESS	Area	0.16	ACRE	B5DITCH	Yes - would NOT have been an (a	29.898611°	-82.056375°	
D11	FLORIDA	PEM	DEPRESS	Area	0.02	ACRE	A4WETARTSEP		29.896853°	-82.054821°	
D11 Upland Cut	FLORIDA	U	DEPRESS	Area	0.17	ACRE	B5DITCH	Yes - would NOT have been an (a	29.895603°	-82.058838°	
D12 Upland Cut	FLORIDA	U	DEPRESS	Area	0.17	ACRE	B5DITCH	Yes - would NOT have been an (a	29.893511°	-82.059606°	
D13	FLORIDA	PEM	DEPRESS	Area	0.04	ACRE	A4WETABUT		29.896724°	-82.054981°	
D13 Upland Cut	FLORIDA	U	DEPRESS	Area	0.38	ACRE	B5DITCH	Yes - would NOT have been an (a	29.895738°	-82.058123°	
D14	FLORIDA	PEM	DEPRESS	Area	0.0002	ACRE	A4WETABUT		29.888201°	-82.056973°	
D14 Upland Cut	FLORIDA	U	DEPRESS	Area	0.006	ACRE	B5DITCH	Yes - would NOT have been an (a	29.888456°	-82.057090°	
D15	FLORIDA	PEM	DEPRESS	Area	0.36	ACRE	A4WETABUT		29.885923°	-82.053783°	
D16	FLORIDA	PEM	DEPRESS	Area	0.01	ACRE	A4WETABUT		29.882848°	-82.048036°	
D16 Upland Cut	FLORIDA	U	DEPRESS	Area	0.02	ACRE	B5DITCH	Yes - would NOT have been an (a	29.883589°	-82.048015°	
D17	FLORIDA	PEM	DEPRESS	Area	0.07	ACRE	A4WETARTSEP		29.882112°	-82.047994°	
D17 Upland Cut	FLORIDA	U	DEPRESS	Area	0.07	ACRE	B5DITCH	Yes - would NOT have been an (a	29.883105°	-82.047894°	
D18	FLORIDA	PEM	DEPRESS	Area	0.14	ACRE	A4WETABUT		29.874684°	-82.045940°	
D18 Upland Cut	FLORIDA	U	DEPRESS	Area	0.66	ACRE	B5DITCH	Yes - would NOT have been an (a	29.877647°	-82.045971°	
D19	FLORIDA	PEM	DEPRESS	Area	0.22	ACRE	A4WETARTSEP		29.877656°	-82.045900°	
D19 Upland Cut	FLORIDA	U	DEPRESS	Area	0.38	ACRE	B5DITCH	Yes - would have been an (a)(1)-(	29.881679°	-82.045868°	
D20	FLORIDA	PEM	DEPRESS	Area	0.69	ACRE	A4WETABUT		29.872041°	-82.048702°	
D20 Upland Cut	FLORIDA	U	DEPRESS	Area	0.34	ACRE	B5DITCH	Yes - would NOT have been an (a	29.872652°	-82.048172°	
D21	FLORIDA	PEM	DEPRESS	Area	0.02	ACRE	A4WETARTSEP		29.871428°	-82.049251°	
D21 Upland Cut	FLORIDA	U	DEPRESS	Area	0.14	ACRE	B5DITCH	Yes - would NOT have been an (a	29.872619°	-82.049787°	
D22	FLORIDA	PEM	DEPRESS	Area	0.13	ACRE	A4WETARTSEP		29.885117°	-82.039581°	
D22 Upland Cut	FLORIDA	U	DEPRESS	Area	0.51	ACRE	B5DITCH	Yes - would NOT have been an (a	29.885487°	-82.040878°	
D23	FLORIDA	PEM	DEPRESS	Area	0.01	ACRE	A4WETARTSEP		29.885349°	-82.040762°	
D23 Upland Cut	FLORIDA	U	DEPRESS	Area	0.04	ACRE	B5DITCH	Yes - would NOT have been an (a	29.885185°	-82.040101°	
D24	FLORIDA	PEM	DEPRESS	Area	0.72	ACRE	A4WETARTSEP		29.883926°	-82.039567°	
D24 Upland Cut	FLORIDA	U	DEPRESS	Area	0.32	ACRE	B5DITCH	Yes - would NOT have been an (a	29.883934°	-82.040966°	