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September 16, 2013

*Via U.S. Mail and Email*

Katrina Morris  
Wildlife Biologist  
Georgia Department of Natural Resources  
2070 U.S. Hwy 278 S.E.  
Social Circle, GA 30025  
Katrina.morris@dnr.state.ga.us

Sabal Trail Transmission, LLC  
Rare, Threatened, and Endangered Species Initial Coordination  
Stewart, Webster, Terrell, Lee, Dougherty, Mitchell, Colquitt, Brooks and Lowndes Counties,  
Georgia

Dear Ms. Morris:

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture of Spectra Energy Corporation and NextEra Energy Corporation., is reviewing a potential interstate pipeline project that will pass through portions of Alabama, Georgia, and Florida called the Sabal Trail Pipeline Project (Project). Sabal Trail anticipates initial field surveys for ecological resources, including habitat assessments for rare, threatened, and endangered species to begin in fall 2013.

A Project Frequently Asked Questions fact sheet that provides a brief description of the project and current status is provided as Enclosure 1. The preliminary mainline route and a shorter pipeline at the terminus of the Project are illustrated on the Project Location Map – Figure 1 (Enclosure 2). To assist in your review of the routes, we have enclosed ESRI shapefiles of the preliminary route (Enclosure 3).

**At this Time, Sabal Trail respectfully requests your review to determine if the Project areas are located near rare, threatened, or endangered species, critical habitats, or natural areas. Please use at least a one (1) mile review radius.**

Based on the current schedule, Sabal Trail anticipates field surveys to commence in fall 2013 and continue until summer 2014. Field surveys will include wetland and waterbody delineations, protected species habitat assessments, archeological, and civil surveys. In anticipation of these surveys, Sabal Trail would like to confirm the field protocols proposed for use by the field teams for determining if potential habitat is present for protected species and identify what information is necessary to confirm that a particular species is or could be present within the Study Area.

**Sabal Trail would like to schedule a meeting with you within the next month to discuss concerns or recommendations the Georgia Department of Natural Resources may have regarding the proposed project.** To discuss meeting arrangements, please contact the Project environmental consultant, TRC Environmental Corporation (TRC), c/o Mr. Jason Sean Lancaster at (770) 270-1192 ext. 119 or via email at [jlancaster@trcsolutions.com](mailto:jlancaster@trcsolutions.com).

Thank you for your time and consideration. We look forward to working with you on this project.

Sincerely,



Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
TRC

- Enclosures:
- 1) Sabal Trail: Frequently Asked Questions
  - 2) Project Location Map – Figure 1
  - 3) ESRI Shapefiles (CD)



## Sabal Trail: Frequently Asked Questions

### 1. Who is Sabal Trail Transmission, LLC?

Sabal Trail Transmission, LLC (“Sabal Trail”) is a joint venture of Spectra Energy Corp. and NextEra Energy, Inc. For more information, please visit [www.sabaltrailtransmission.com](http://www.sabaltrailtransmission.com) or [www.spectraenergy.com](http://www.spectraenergy.com).

### 2. What is the Sabal Trail interstate pipeline system?

Sabal Trail’s interstate pipeline system is a project that has been awarded by Florida Power & Light Company (“FPL”) to provide dedicated natural gas transportation services for their power generation needs starting in May 2017. This project would also enhance the availability and reliability of natural gas supplies in the Southeast region.

### 3. Where will the Sabal Trail interstate pipeline be located, and what would be its approximate length?

Sabal Trail is currently evaluating several options for the pipeline path. Generally, the natural gas pipeline study corridors under review originate in Alabama, extend to Georgia and end in Central Florida.

### 4. What is the “study corridor” for the Sabal Trail interstate pipeline project?

Generally, study corridors are established along the proposed routing options to determine the best possible locations for the pipeline facilities and potential workspace areas. The study corridors are typically 600 feet wide. However, once our field evaluations are complete, the pipeline corridor will be reduced to a much narrower width that would be necessary to construct the pipeline. Typically, this is approximately 100 feet.

### 5. What would be the Sabal Trail interstate pipeline’s capacity?

The Sabal Trail pipeline will be capable of transporting up to 1 billion cubic feet of natural gas per day – enough to meet the needs of over 4 million American homes annually.

### 6. What would be the estimated cost for the Sabal Trail interstate pipeline project?

The preliminary estimates are in the range of several billion dollars; however, this could change, depending on final project scope.

### 7. When would the Sabal Trail interstate pipeline be in service?

FPL has requested that the project begin to deliver natural gas by a May 2017 in-service date.

### 8. What stage is the Sabal Trail interstate pipeline project in now, and what are the next steps?

The Sabal Trail project is in the early development stage, as FPL formally awarded the project to Sabal Trail on

Friday, July 26, 2013. Sabal Trail will continue to work with communities along the proposed route options to position the project to meet the schedule requirements. These activities include engaging federal, state and local officials to inform them of Sabal Trail’s initial planned work in the study corridor areas. Landowners who may be involved will receive introductory letters and information about initial survey plans in their area. The survey study corridors will be approximately 600 feet wide, which would allow future pipeline route refinements, as necessary, to incorporate landowner, environmental and construction-related concerns. Currently, Sabal Trail anticipates survey work to commence in late summer 2013. Once our field evaluations are complete, the pipeline corridor will be reduced to a much narrower width that would be necessary to construct the pipeline. Typically, this is approximately 100 feet.

### 9. Who authorizes the construction of the Sabal Trail interstate pipeline and what kind of regulatory oversight will the project development have?

Sabal Trail has already begun the process of obtaining necessary regulatory authorization from the Federal Energy Regulatory Commission (FERC), the federal agency with jurisdiction over U.S. interstate natural gas pipeline projects. The FERC process and the permitting processes of other federal and state agencies will allow interested stakeholders multiple opportunities to comment on the proposed pipeline project.

The FERC exclusively authorizes the construction of new interstate natural gas facilities. FERC is also the lead federal agency responsible for conducting environmental reviews of interstate natural gas projects, in compliance with the National Environmental Policy Act. In addition to its FERC certificate application, Sabal Trail will seek review from numerous other federal agencies, including the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, and appropriate agencies of Florida, Georgia and Alabama.

### 10. How will the Sabal Trail interstate pipeline benefit the southeastern states, including Alabama, Georgia and Florida?

The Sabal Trail interstate pipeline will increase energy diversity, security and reliability to southeastern markets.

In addition, the Sabal Trail interstate pipeline project will create significant jobs during planning, construction and development, as well as add capital investment and tax base to all three states.

### 11. What are safety measures for this project?

Sabal Trail is dedicated to the safe, reliable operation of facilities and the protection of employees, the public and the environment.

Natural gas pipelines monitor and control safety in many ways and use many different tools. Collectively, these tools make natural gas transmission pipelines one of the safest forms of energy transportation. Our safety

programs are designed to prevent pipeline failures, detect anomalies, perform repairs and often exceed regulatory requirements.

The U.S. Department of Transportation's (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) oversees the safety of interstate natural gas pipelines and mandates minimum requirements, from the design and construction to testing, operations, maintenance and emergency response. The new pipeline will operate in strict accordance with all federal and state safety requirements.

Sabal Trail will work closely with local public safety officials to provide them with a thorough awareness of our pipelines and pipeline safety.

Once the facilities are placed in service, we will implement operations procedures designed to monitor the pipeline 24 hours a day, 7 days a week, and we maintain the facilities per applicable federal and state regulations.

## **12. Where will the above-ground facilities be located?**

Though minimal in number, above ground facilities are an important part of a mostly underground pipeline transmission system. Compressor stations will be strategically located along the route to push gas through the pipeline.

Initially, one compressor station will be constructed in Tallapoosa County, Ala., at the start of the pipeline and another in Osceola County, Fla., at the terminus of the line. An additional five stations will be added after the original in-service date. Additionally, valves, regulators, measurement equipment, communication towers and other components that enhance pipeline safety and performance may be seen along the route. These above-ground facilities are strategically placed and will be discussed with you should your property be affected.

## **13. What kind of input will affected stakeholders have in anticipation of the Sabal Trail interstate pipeline project?**

Sabal Trail will continue to communicate with public officials, permitting agencies and area stakeholders during the initial development process and will maintain open lines of communication throughout the project's development. Landowners and other stakeholders will have multiple opportunities to provide input on the project during the permitting process.

Sabal Trail has also sent letters to property owners whose properties may be initially involved to inform them of the project and our need to perform surveys to collect information about their properties.

Later this year, Sabal Trail will host local public meetings for area residents to learn more about the project and ask questions, and we will provide advance notification to make stakeholders aware of these important events.

## **14. What kind of interactions will Sabal Trail have with affected stakeholders when addressing the pipeline alignments and the project's overall economic and environmental impact?**

The project's experienced development team is committed to a comprehensive consultation and ongoing communications process with stakeholders to develop a viable pipeline route that mitigates impacts to landowners and the environment and meets or exceeds customer needs, constructability requirements and safety regulations. This process involves evaluating various routes and study corridors. Whenever possible, Sabal Trail tries to locate the study corridors adjacent to existing utility corridors – either electric transmission lines or underground pipelines.

We will seek opportunities to discuss the project directly with each landowner in small, face-to-face discussions. The survey activities (engineering, environmental and cultural resources) will help Sabal Trail obtain the necessary field data to further assess the pipeline alignments and address individual landowner concerns. These activities will be performed in a minimal amount of time and should not inconvenience any landowner.

## **15. What is the estimated environmental and overall economic impact of the Sabal Trail interstate pipeline project?**

Sabal Trail is committed to protecting the environment. Wherever possible, the new pipeline will follow existing rights-of-way to substantially limit environmental impacts and effects to landowners. These development efforts are closely monitored by federal and state environmental agencies, requiring a number of permits, and we closely adhere to all applicable environmental standards to ensure we minimize our footprint.

Environmental aspects of the construction project are regulated by FERC, which will review all plans and conduct its own environmental study of the project.

## **16. What sort of local or regional benefits can we expect to see from a project of this size?**

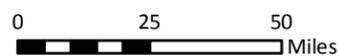
The Sabal Trail interstate pipeline project will create a significant amount of jobs during construction and add capital investment and tax base to Alabama, Georgia and Florida.

The proposed project will provide consumers and businesses with critical access to an affordable, new natural gas supply source that will:

- Invigorate economies, spur growth and ensure regional economic competitiveness;
- Enhance supply diversity, reliability and security; and
- Ensure clean-burning, affordable natural gas will continue to be available.



- Preliminary Sabal Trail Mainline Route
- Preliminary Hunters Creek Line Route
- Preliminary Compressor Station Locations (phased in as necessary)



Source: National Atlas



**PROJECT LOCATION MAP**  
**GREENFIELD CONSTRUCTION**

FIGURE 1	REVISION: 7	REV. DATE: 9/5/13
SHEET 1 OF 1	SEPT. 2013	Prepared by:

## Shelton, Darwin

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**From:** Katrina Morris <Katrina.Morris@dnr.state.ga.us>  
**Sent:** Tuesday, September 17, 2013 2:33 PM  
**To:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Transmission interstate pipeline project

Mr. Shelton,

I am no longer coordinating Environmental Reviews for our office. In the future, please direct all correspondence regarding project and report reviews to our new Environmental Review Coordinator, Anna Yellin ([anna.yellin@dnr.state.ga.us](mailto:anna.yellin@dnr.state.ga.us), 706-557-3283). Email correspondence is preferred.

Thanks!

Trina Morris  
Wildlife Biologist  
Georgia Dept. of Natural Resources  
Nongame Conservation Section  
2065 U.S. Hwy. 278 S.E.  
Social Circle, GA 30025-4743  
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<http://georgiawildlife.dnr.state.ga.us/>

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**From:** Shelton, Darwin [<mailto:DShelton@trcsolutions.com>]  
**Sent:** Tuesday, September 17, 2013 2:22 PM  
**To:** Katrina Morris  
**Subject:** Sabal Trail Transmission interstate pipeline project

Ms. Morris,

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture of Spectra Energy Corporation and NextEra Energy Corporation., is proposing an interstate pipeline project that will pass through portions of Alabama, Georgia, and Florida called the Sabal Trail Pipeline Project (Project). Sabal Trail anticipates initial field surveys for ecological resources, including habitat assessments for rare, threatened, and endangered species to begin in fall 2013.

Please be advised that on 9/17/2013 an Information Packet on this Project was sent via FedEx to your attention at the following address, 2070 U.S. Hwy 278 S.E. Social Circle, GA 30025. The packet contains a general project location map, shape files of the proposed route and associated facilities, and a .kmz file of the proposed route. Please use the information provided in the packet to review the Project area for rare, threatened, or endangered species, and critical habitats or other sensitive natural areas within a one mile radius of the Project area. Once you have had sufficient time for review, we would like to schedule a meeting with you within the next month to discuss concerns or recommendations that your agency might have regarding the proposed Project.

Mr. Jason Sean Lancaster of TRC Environmental, the Project environmental consultant, will be contacting you in the near future to set up a convenient time to meet with representatives of Sabal Trail and TRC. Should you have any questions

or comments in the meantime, please contact Mr. Jason Sean Lancaster at 770-270-1192, Ext. 119 or via e-mail at [Jlancaster@trcsolutions.com](mailto:Jlancaster@trcsolutions.com)

Donnie Shelton

Environmental Scientist



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MARK WILLIAMS  
COMMISSIONER

DAN FORSTER  
DIRECTOR

September 30, 2013

Jason Sean Lancaster  
Certified Environmental Professional and Certified Ecologist  
TRC  
4155 Shackelford Road, Suite 255  
Norcross, GA 30093

**Subject: Known occurrences of natural communities, plants and animals of highest priority conservation status on or near Sabal Trail Transmission, LLC, Stewart, Webster, Terrell, Lee, Dougherty, Mitchell, Colquitt, Brooks, and Lowndes Counties, Georgia**

Dear Mr. Lancaster:

This is in response to your request of September 16, 2013. According to our records, within a three-mile radius of the project site, there are the following Natural Heritage Database occurrences:

Point 1 (-84.98274, 32.18766; NAD27):

- GA *Cyprinella callitaenia* (Bluestripe Shiner) approx. 1.0 mi. W of site in the Chattahoochee River
- GA *Rhododendron prunifolium* (Plumleaf Azalea) approx. 1.5 mi. E of site
- Trillium decipiens* (Mimic Trillium) approx. 3.0 mi. SW of site
- Lake Walter F. George [DOD/COE]

Point 2 (-84.93080, 32.15352; NAD27):

- GA *Cyprinella callitaenia* (Bluestripe Shiner) approx. 0.5 mi. S of site in Hannahatchee Creek
- Lythrurus atrapiculus* (Blacktip Shiner) approx. 0.5 mi. SE of site in Hannahatchee Creek
- GA *Rhododendron prunifolium* (Plumleaf Azalea) approx. 0.5 mi. NE of site
- Hannahatchee Creek [High Priority Stream] 0.5 mi. S of site

Point 3 (-84.86821, 32.13161; NAD27):

- GA *Procambarus verrucosus* (Grainy Crayfish) approx. 0.5 mi. NE of site in Coluchee Creek Wetlands
- GA *Procambarus verrucosus* (Grainy Crayfish) approx. 3.0 mi. NE of site in Hannahatchee Creek Wetlands
- GA *Pteronotropis euryzonus* (Broadstripe Shiner) approx. 3.0 mi. NE of site in Hannahatchee Creek
- GA *Rhododendron prunifolium* (Plumleaf Azalea) approx. 2.5 mi. S of site
- Hannahatchee Creek [High Priority Stream] approx. 1.0 mi. N of site

Point 4 (-84.81324, 32.09035; NAD27):

GA *Croomia pauciflora* (Croomia) approx. 1.0 mi. NE of site

GA *Pteronotropis euryzonus* (Broadstripe Shiner) approx. 2.0 mi. NW of site in  
Colochee/Frog Bottom Creek

*Quercus arkansana* (Arkansas Oak) 0.4 mi. E of site

*Quercus arkansana* (Arkansas Oak) approx. 2.5 mi. S of site

Point 5 (-84.75322, 32.06115; NAD27):

*Fundulus escambiae* (Russetfin Topminnow) approx. 2.0 mi. SW of site in Hodchodkee  
Creek

GA *Pteronotropis euryzonus* (Broadstripe Shiner) approx. 1.5 mi. SW of site in Hodchodkee  
Creek

GA *Pteronotropis euryzonus* (Broadstripe Shiner) approx. 2.0 mi. SW of site in Hodchodkee  
Creek

HANNAHATCHEE WMA [GDNR] approx. 3.0 mi. N of site

Hodchodkee Creek [High Priority Stream] approx. 1.0 mi. W of site

Point 6 (-84.70163, 32.03166; NAD27):

GA *Pteronotropis euryzonus* (Broadstripe Shiner) 0.2 mi. W of site in Pataula Creek

Pataula Creek [High Priority Stream] less than 0.1 mi. NW of site

Point 7 (-84.65546, 31.99723; NAD27):

GA *Pteronotropis euryzonus* (Broadstripe Shiner) approx. 3.0 mi. W of site in Lime Spring  
Branch

Point 8 (-84.60645, 31.96048; NAD27):

Bear Creek [High Priority Stream] approx. 1.5 mi. NE of site

Point 9 (-84.55495, 31.93093; NAD27):

No Natural Heritage Database occurrences.

Point 10 (-84.50061, 31.89905; NAD27):

No Natural Heritage Database occurrences.

Point 11 (-84.44107, 31.87682; NAD27):

*Moxostoma sp. 1* (Apalachicola Redhorse) approx. 2.5 mi. N of site in Bear Creek

*Quadrula infucata* (Sculptured Pigtoe) approx. 2.5 mi. N of site in Bear Creek

Bear Creek [High Priority Stream] approx. 2.5 mi. NE of site

Wolf Creek [High Priority Stream] approx. 2.0 mi. SW of site

Point 12 (-84.40589, 31.83245; NAD27):

GA *Graptemys barbouri* (Barbour's Map Turtle) approx. 2.5 mi. SW of site in  
Ichawaynochaway Creek

*Tyto alba* (Barn owl) approx. 1.5 mi. N of site

Point 13 (-84.37337, 31.78323; NAD27):

Eufaula NWR [USFWS] approx. 2.0 mi. NE of site

Chickasawhatchee Creek [High Priority Stream] approx. 2.0 mi. SW of site

Point 14 (-84.33530, 31.73414; NAD27):

GA *Elliptio arctata* (Delicate Spike) approx. 3.0 mi. SW of site in Chickasawhatchee Creek

Point 15 (-84.29753, 31.69219; NAD27):

GA *Asplenium heteroresiliens* (Marl Spleenwort) approx. 1.5 mi. E of site

*Carex godfreyi* (Godfrey's Sedge) approx. 1.0 mi. E of site

GA *Desmodium ochroleucum* (Cream-flowered Tick-trefoil) approx. 1.5 mi. E of site

*Tragia cordata* (Heartleaf Nettle Vine) approx. 1.5 mi. E of site

Point 16 (-84.30927, 31.62987; NAD27):

GA *Elliptio arctata* (Delicate Spike) approx. 1.5 mi. SW of site in Kiokee Creek

US *Hamiota subangulata* (Shinyrayed Pocketbook) approx. 1.5 mi. SW of site in Kiokee Creek

US *Medionidus penicillatus* (Gulf Moccasinshell) approx. 1.5 mi. SW of site in Kiokee Creek

Catfish Cave [Cave] approx. 0.5 mi. NE of site

Kiokee Cave [Cave] approx. 0.5 mi. NE of site

Point 17 (-84.30429, 31.56797; NAD27):

GA *Cambarus doughertyensis* (Dougherty Burrowing Crayfish) approx. 2.5 mi. W of site in Kiokee Creek Floodplain

*Crotalus adamanteus* (Eastern Diamond-backed Rattlesnake) approx. 1.5 mi. W of site

*Elassoma gilberti* (Gulf Coast Pygmy Sunfish) approx. 2.5 mi. NW of site in Kiokee Creek

*Necturus beyeri complex* (Gulf Coast Waterdog) approx. 2.5 mi. NE of site in Coolewahee Creek

*Villosa villosa* (Downy Rainbow) approx. 2.5 mi. NE of site in Coolewahee Creek

LAWRENCE PEARCE WMA [GDNR] approx. 2.0 mi. NW of site

Coolewahee Creek [High Priority Stream] approx. 1.5 mi. E of site

Point 18 (-84.23920, 31.53863; NAD27):

GA *Haliaeetus leucocephalus* (Bald Eagle) approx. 2.0 mi. W of site

*Scirpus hallii* (Hall Bulrush) approx. 1.5 mi. S of site

Point 19 (-84.18797, 31.50652; NAD27):

GA *Cambarus cryptodytes* (Dougherty Plain Cave Crayfish) approx. 1.0 mi. W of site

GA *Geomys pinetis* (Southeastern Pocket Gopher) approx. 1.5 mi. W of site

GA *Haideotriton wallacei* (Georgia Blind Salamander) approx. 3.0 mi. NE of site

Point 20 (-84.12088, 31.49864; NAD27):

US *Amblema neislerii* (Fat Threeridge) approx. 1.5 mi. W of site in the Lower Flint River

GA *Cambarus cryptodytes* (Dougherty Plain Cave Crayfish) approx. 2.0 mi. NW of site in the Lower Flint River

GA *Elliptio arctata* (Delicate Spike) approx. 2.5 mi. SW of site in the Lower Flint River  
    *Elliptio fraterna* (Brother Spike) approx. 1.5 mi. W of site in the Lower Flint River  
    *Elliptio nigella* (Winged Spike) approx. 2.5 mi. NW of site in the Lower Flint River  
    *Elliptio nigella* (Winged Spike) approx. 2.5 mi. SW of site in the Lower Flint River  
US *Elliptoideus sloatianus* (Purple Bankclimber) approx. 2.5 mi. SW of site in the Flint River  
GA *Graptemys barbouri* (Barbour's Map Turtle) approx. 2.0 mi. NW of site in the Flint River  
GA *Haideotriton wallacei* (Georgia Blind Salamander) approx. 2.0 mi. NW of site  
US *Medionidus penicillatus* (Gulf Moccasinshell) approx. 2.5 mi. N of site in the Flint River  
US *Pleurobema pyriforme* (Oval Pigtoe) approx. 2.5 mi. N of site in the Flint River  
    *Quadrula infucata* (Sculptured Pigtoe) approx. 2.5 mi. SW of site in the Lower Flint  
    River  
FLINT RIVER GREENWAY [GDNR] approx. 2.0 mi. NW of site  
RADIUM SPRINGS TRACT [GDNR] approx. 1.5 mi. NW of site  
Flint River [High Priority Stream] approx. 1.5 mi. W of site  
Radium Springs [Cave] approx. 2.0 mi. NW of site

Point 21 (-84.08562, 31.44224; NAD27):

US *Schwalbea americana* (Chaffseed) approx. 1.0 mi. E of site  
US *Schwalbea americana* (Chaffseed) approx. 3.0 mi. SE of site  
US *Schwalbea americana* (Chaffseed) approx. 3.0 mi. E of site

Point 22 (-84.05588, 31.38331; NAD27):

*Evolvulus sericeus* var. *sericeus* (Creeping Morning-glory) approx. 2.0 mi. SW of site  
US *Schwalbea americana* (Chaffseed) approx. 1.5 mi. NE of site  
US *Schwalbea americana* (Chaffseed) approx. 2.0 mi. NE of site

Point 23 (-84.01800, 31.32933; NAD27)

No Natural Heritage Database occurrences.

Point 24 (-83.99413, 31.27741; NAD27)

No Natural Heritage Database occurrences.

Point 25 (-83.95115, 31.23546; NAD27):

No Natural Heritage Database occurrences.

Point 26 (-83.90289, 31.20077; NAD27):

No Natural Heritage Database occurrences.

Point 27 (-83.85430, 31.15414; NAD27):

GA *Balduina atropurpurea* (Purple Honeycomb Head) approx. 2.0 mi. SE of site  
GA *Balduina atropurpurea* (Purple Honeycomb Head) approx. 1.0 mi. S of site  
GA *Balduina atropurpurea* (Purple Honeycomb Head) approx. 1.0 mi. SE of site  
GA *Sarracenia flava* (Yellow Flytrap) S of Moultrie  
    *Sporobolus teretifolius* (Wire-leaf Dropseed) approx. 1.0 mi. SE of site

Point 28 (-83.79787, 31.12197; NAD27):

- GA *Aimophila aestivalis* (Bachman's Sparrow) approx. 0.5 mi. NW of site
- Crotalus adamanteus* (Eastern Diamond-backed Rattlesnake) approx. 0.5 mi. NW of site
- US *Gopherus polyphemus* (Gopher Tortoise) approx. 0.5 mi. NW of site
- Pteronotropis metallicus* (Metallic Shiner) approx. 2.5 mi. SW of site in the Ocklockonee River
- GA *Sarracenia flava* (Yellow Flytrap) S of Moultrie
- GA *Sarracenia flava* (Yellow Flytrap) approx. 1.0 mi. S of site
- GA *Sarracenia minor var. minor* (Hooded Pitcherplant) approx. 0.5 mi. NW of site
- Ochlockonee River [High Priority Stream] approx. 0.5 mi. NW of site

Point 29 (-83.75228, 31.08001; NAD27):

- Eufaula NWR [USFWS] approx. 1.0 mi. S of site

Point 30 (-83.70687, 31.04279; NAD27):

- No Natural Heritage Database occurrences.

Point 31 (-83.66406, 30.99834; NAD27):

- Crotalus adamanteus* (Eastern Diamond-backed Rattlesnake) approx. 1.5 mi. SE of site
- GA *Haliaeetus leucocephalus* (Bald Eagle) approx. 2.5 mi. E of site
- GA *Sarracenia flava* (Yellow Flytrap) approx. 2.5 mi. E of site

Point 32 (-83.62953, 30.95133; NAD27):

- No Natural Heritage Database occurrences.

Point 33 (-83.58423, 30.91406; NAD27):

- US *Mycteria americana* (Wood Stork) at Cravasse Pond (A.K.A.: Brantley)
- US *Mycteria americana* (Wood Stork) at Cravasse Pond (A.K.A.: Brantley)
- GA *Sarracenia minor var. minor* (Hooded Pitcherplant) approx. 2.5 mi. S of site
- Wading Bird Colony* (Wading Bird Colony) approx. 1.0 mi. SE of site

Point 34 (-83.54166, 30.87434; NAD27):

- GA *Epidendrum magnoliae* (Greenfly Orchid) approx. 3.0 mi. W of site

Point 35 (-83.50736, 30.83205; NAD27):

- No Natural Heritage Database occurrences.

Point 36 (-83.46757, 30.78986; NAD27):

- GA *Ameiurus serracanthus* (Spotted Bullhead) approx. 1.0 mi. E of site in the Withlacoochee River
- GA *Elanoides forficatus* (Swallow-tailed Kite) approx. 3.0 mi. S of site
- US *Gopherus polyphemus* (Gopher Tortoise) approx. 1.0 mi. E of site
- GA *Litsea aestivalis* (Pond Spice). 2.0 mi. S of site
- GA *Litsea aestivalis* (Pond Spice) approx. 2.5 mi. S of site
- GA *Macrochelys temminckii* (Alligator Snapping Turtle) approx. 3.0 miles upstream
- GA *Micropterus notius* (Suwannee Bass) approx. 1.0 mi. E of site in the Withlacoochee River

*Ophisaurus compressus* (Island Glass Lizard) 0.4 mi. E of site  
*Polygala leptostachys* (Georgia Milkwort) approx. 2.5 mi. E of site  
*Tragia cordata* (Heartleaf Nettle Vine) 1.0 mi. E of site  
Withlacoochee River [High Priority Stream] approx. 0.5 mi. SE of site

Point 37 (-83.40871, 30.75756; NAD27):

*Agalinis georgiana* (Georgia Purple Foxglove) approx. 1.5 mi. N of site  
*Angelica dentata* (Sandhill Angelica) approx. 2.0 mi. E of site  
*Crotalus adamanteus* (Eastern Diamond-backed Rattlesnake) approx. 2.5 mi. E of site  
US *Gopherus polyphemus* (Gopher Tortoise) approx. 2.0 mi. NE of site  
GA *Haliaeetus leucocephalus* (Bald Eagle) approx. 1.5 mi. E of site

Point 38 (-83.36341, 30.71305; NAD27):

US *Gopherus polyphemus* (Gopher Tortoise) approx. 2.0 mi. SW of site  
*Tragia cordata* (Heartleaf Nettle Vine) approx. 3.0 mi. SW of site

Point 39 (-83.31809, 30.66613; NAD27):

GA *Alosa alabamae* (Alabama Shad) approx. 2.0 mi. SW of site in the Withlacoochee River  
GA *Micropterus notius* (Suwannee Bass) approx. 2.0 mi. SW of site in the Withlacoochee River  
GA *Micropterus notius* (Suwannee Bass) approx. 3.0 mi. SW of site in the Withlacoochee River  
*Pteronotropis metallicus* (Metallic Shiner) approx. 1.5 mi. N of site in Clyatt Mill Creek  
Withlacoochee River [High Priority Stream] approx. 2.5 mi. SW of site

Point 40 (-83.28442, 30.64287; NAD27):

GA *Elliptio arctata* (Delicate Spike) approx. 1.5 mi. W of site in the Withlacoochee River  
US *Gopherus polyphemus* (Gopher Tortoise) less than 0.1 mi. SW of site  
GA *Haliaeetus leucocephalus* (Bald Eagle) approx. 2.5 mi. E of site  
*Ursus americanus floridanus* (Florida Black Bear) approx. 2.0 mi. NE of site  
*Villosa villosa* (Downy Rainbow) approx. 1.5 mi. SW of site in the Withlacoochee River  
*Wading Bird Colony* (Wading Bird Colony) approx. 1.0 mi. N of site  
Withlacoochee River [High Priority Stream] approx. 1.5 mi. W of site

\* Entries above preceded by "US" indicates species with federal status in Georgia (Protected or Candidate). Species that are federally protected in Georgia are also state protected; "GA" indicates Georgia protected species.

### Recommendations:

There are eight federally listed species within three miles of the proposed project. Some of these occurrences are within the project corridor. The Endangered Species Act states that taking or harming of a listed species is prohibited. We recommend all requestors with projects located near federally protected species consult with the United States Fish and Wildlife Service. In southwest Georgia, please contact John Doresky (706-544-6030 or [John.Doresky@fws.gov](mailto:John.Doresky@fws.gov))

The endangered *Mycteria americana* (Wood Stork) has active rookeries in the path of the Sabal Trail project. GA DNR provides guidelines planning projects in areas this species inhabits. These include: 1) No intrusion within 100 meters (328 ft.) of active colony, 2) Primary zone of 700-1,300 ft. from colony boundary depending on vegetation density screening the rookery. Restrictions on vegetation removal and construction year round in this zone, 3) Limit an increase or change in this primary zone during breeding season, 4) Secondary zone of up to 2,500 ft. restricting hydrological alterations, decrease in wetland and forested areas, and changes of human activity, 5) Restrict power line placement and towers greater than 200 ft. in height within one mile of the colony, and 6) Restrict taller towers greater than 200 ft. within three miles of the colony. Tim Keyes at the Forsyth office (478-994-1438) in addition to the USFWS can assist you with this species.

This project corridor passes within three miles of several state protected species. For information about these species, including survey recommendations, please visit our webpage at [http://www.georgiawildlife.org/rare\\_species\\_profiles](http://www.georgiawildlife.org/rare_species_profiles). The following biologists can provide additional recommendations/ assistance regarding the following groups:

Plants: Tom Patrick ([Tom.Patrick@dnr.state.ga.us](mailto:Tom.Patrick@dnr.state.ga.us));

Fish & Crayfish: Brett Albanese ([Brett.Albanese@dnr.state.ga.us](mailto:Brett.Albanese@dnr.state.ga.us));

Mussels: Jason Wisniewski ([Jason.Wisniewski@dnr.state.ga.us](mailto:Jason.Wisniewski@dnr.state.ga.us)) or

Andrew GaschoLandis ([Andrew.GaschoLandis@dnr.state.ga.us](mailto:Andrew.GaschoLandis@dnr.state.ga.us));

Reptiles & Amphibians: John Jensen ([John.Jensen@dnr.state.ga.us](mailto:John.Jensen@dnr.state.ga.us));

Mammals: Jim Ozier ([Jim.Ozier@dnr.state.ga.us](mailto:Jim.Ozier@dnr.state.ga.us));

Bats: Trina Morris ([Katrina.Morris@dnr.state.ga.us](mailto:Katrina.Morris@dnr.state.ga.us));

Birds: Nathan Klaus ([Nathan.Klaus@dnr.state.ga.us](mailto:Nathan.Klaus@dnr.state.ga.us)) or Tim Keyes ([Tim.Keyes@dnr.state.ga.us](mailto:Tim.Keyes@dnr.state.ga.us))

A record of a nesting Bald Eagle (*Haliaeetus leucocephalus*) is within three miles of the proposed project. Although Bald Eagles are no longer considered an endangered species, they are still protected by the Migratory Bird Treaty Act, the Bald and Golden Eagle Protection Act and the Georgia Endangered Species Act. These Acts continue to protect bald eagles from potentially harmful human activities. For more information on how to prevent impacts to bald eagles that could violate the Eagle Act, download the National Bald Eagle Management Guidelines:

<http://www.fws.gov/migratorybirds/issues/BaldEagle/NationalBaldEagleManagementGuidelines.pdf>

This project crosses several high priority streams (Hannahatchee Creek, Hodchodkee Creek, Pataula Creek, Cooleewachee Creek, Flint River, Ochlockonee River, and Withlacoochee River). As part of an effort to develop a comprehensive wildlife conservation strategy for the state of Georgia, the Wildlife Resources division developed and mapped a list of streams that are important to the protection or restoration of rare aquatic species and aquatic communities. High priority waters and their surrounding watersheds are important for aquatic biodiversity conservation, but do not receive any additional legal protections. We now have GIS ESRI shapefiles of GA high priority waters available on our website (<http://www.georgiawildlife.com/node/1377>). Please contact Brett Albanese if you would like additional information on high priority waters.

We are also concerned about aquatic habitats that could be impacted by construction activities. In order to protect aquatic habitats and water quality, we recommend that all machinery be kept out of creeks during construction. We urge you to use stringent erosion control practices during construction activities. Further, we strongly advocate leaving vegetation intact within 100 feet of creeks, which will reduce inputs of sediments, assist with maintaining riverbank integrity, and provide shade and habitat for aquatic species. We realize that some trees may have to be removed, but recommend that shrubs and ground vegetation be left in place.

When construction must occur in wetland zones, we encourage the use of more wetland-friendly techniques, such as horizontal directional drilling (HDD) over methods with greater levels of disturbance (trenching). When the setting is appropriate, elevating utilities can reduce damage to the environment and can be done by attaching pipes to existing structures to span wetland areas. Planning construction dates to occur outside breeding and migration periods will also reduce harm to wildlife. Consider planning construction during drier periods.

#### **NEW ENVIRONMENTAL REVIEW COORDINATOR**

**Please send all future correspondence to Anna Yellin, Environmental Review Coordinator. Email correspondence is preferred. I can be contacted at [anna.yellin@dnr.state.ga.us](mailto:anna.yellin@dnr.state.ga.us) or 706-557-3283.**

#### **Disclaimer:**

Please keep in mind the limitations of our database. The data collected by the Nongame Conservation Section comes from a variety of sources, including museum and herbarium records, literature, and reports from individuals and organizations, as well as field surveys by our staff biologists. In most cases the information is not the result of a recent on-site survey by our staff. Many areas of Georgia have never been surveyed thoroughly. Therefore, the Nongame Conservation Section can only occasionally provide definitive information on the presence or absence of rare species on a given site. Our files are updated constantly as new information is received. **Thus, information provided by our program represents the existing data in our files at the time of the request and should not be considered a final statement on the species or area under consideration.**

If you know of populations of highest priority species that are not in our database, please fill out the appropriate data collection form and send it to our office. Forms can be obtained through our web site (<http://www.georgiawildlife.com/node/1376>) or by contacting our office. If I can be of further assistance, please let me know.

Sincerely,



Anna Yellin  
Environmental Review Coordinator

### **Data Available on the Nongame Conservation Section Website**

- Georgia protected plant and animal profiles are available on our website. These accounts cover basics like descriptions and life history, as well as threats, management recommendations and conservation status. Visit <http://www.georgiawildlife.com/node/2721>.
- Rare species and natural community information can be viewed by Quarter Quad, County and HUC8 Watershed. To access this information, please visit our GA Rare Species and Natural Community Information page at: <http://www.georgiawildlife.com/conservation/species-of-concern?cat=conservation>.
- Downloadable files of rare species and natural community data by quarter quad and county are also available. They can be downloaded from: <http://www.georgiawildlife.com/node/1370>.

## Watson, Bonnie

---

**To:** Watson, Bonnie  
**Subject:** FW: Sabal Trail Follow Up

**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Tuesday, November 05, 2013 3:30 PM  
**To:** Lancaster, Jason; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

We'll be here!

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 - office\*\*  
(404)291-8156 - cell  
\*\*Please note new office number

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**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Tuesday, November 05, 2013 3:21 PM  
**To:** Elliott, Matt; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Hi Matt and Anna,

I wanted to confirm our meeting with you tomorrow at 10:30 AM at your office. At the moment, I believe it will be Donnie Shelton and myself in attendance from TRC but we may have a last minute Spectra representative also.

Looking forward to talking with both of you tomorrow.

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Elliott, Matt [mailto:Matt.Elliott@dnr.state.ga.us]  
**Sent:** Tuesday, October 29, 2013 12:06 PM  
**To:** Lancaster, Jason; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

We can. Anna, can you check on the availability of the WRCC conference room? If it's not available we can use our meeting area.

Do y'all know where we're at? I have heard that some online mapping applications give erroneous directions or locations. We are roughly 1.5 miles north/west of I-20 Exit 101 on Hwy 278. We are the newer building on the north side of the highway, 2065, just past the fish hatchery. Not to be confused with the WRD HQ building just across the highway. Just ask for me at the front desk.

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 - office\*\*  
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**From:** Lancaster, Jason [mailto:JLancaster@trcsolutions.com]  
**Sent:** Tuesday, October 29, 2013 12:03 PM  
**To:** Elliott, Matt; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Can we set it up for 10:30 AM on Wednesday, November 6 at your office?

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Elliott, Matt [mailto:Matt.Elliott@dnr.state.ga.us]  
**Sent:** Tuesday, October 29, 2013 12:00 PM  
**To:** Lancaster, Jason; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Any of those days are fine with me. How about Weds? Where at and what time?

Matt Elliott  
Program Manager  
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**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Tuesday, October 29, 2013 11:01 AM  
**To:** Yellin, Anna; Elliott, Matt  
**Cc:** Shelton, Darwin  
**Subject:** FW: Sabal Trail Follow Up

Hi Anna,

I'm following up with you regarding your available for a meeting next week to discuss the Sabal Trail Pipeline Project. We are available anytime on Tuesday, November 5; Wednesday, November 6, or Friday, November 8.

Please let me know what works best with your schedule.

Thanks,

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
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**From:** Shelton, Darwin  
**Sent:** Thursday, October 17, 2013 5:11 PM  
**To:** Lancaster, Jason  
**Subject:** FW: Sabal Trail Follow Up

---

**From:** Yellin, Anna [<mailto:Anna.Yellin@dnr.state.ga.us>]  
**Sent:** Thursday, October 17, 2013 2:11 PM  
**To:** Shelton, Darwin  
**Cc:** Elliott, Matt  
**Subject:** RE: Sabal Trail Follow Up

Hi Donnie-

My program manager, Matt Elliott and I will both be in the office the week of 11/4-11/8. Would any of those days fit into your schedule?

-Anna

---

**From:** Shelton, Darwin [<mailto:DShelton@trcsolutions.com>]  
**Sent:** Tuesday, October 15, 2013 3:05 PM  
**To:** Yellin, Anna  
**Subject:** RE: Sabal Trail Follow Up

Thank you Anna,

at any time during the review that you have questions, don't hesitate to contact me. My project manager wanted me to check with you and see if you had openings in your calendar over the next few weeks where we could have a meeting about initial thoughts and aspects of the project, since it is such a large project.

Thank you  
Donnie

---

**From:** Yellin, Anna [<mailto:Anna.Yellin@dnr.state.ga.us>]  
**Sent:** Tuesday, October 15, 2013 12:30 PM  
**To:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

I've begun the review, but being such a big project it will more time than most. As part of the review process, I am sending this project to some of the other biologists and I'll let you know when we have questions-

Thank you for checking,  
-Anna

---

**From:** Shelton, Darwin [<mailto:DShelton@trcsolutions.com>]  
**Sent:** Monday, October 14, 2013 8:53 AM  
**To:** Yellin, Anna  
**Subject:** Sabal Trail Follow Up

Ms. Yellin,

I wanted to follow up with you and make sure that the shape worked and see if you had time to review the project yet and if you had any questions.

Thank you,

Donnie Shelton

Environmental Scientist



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## Watson, Bonnie

---

**To:** Watson, Bonnie  
**Subject:** FW: Sabal Trail Follow Up

**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Wednesday, November 06, 2013 3:48 PM  
**To:** Elliott, Matt; Yellin, Anna; [brett.albanese@dnr.state.ga](mailto:brett.albanese@dnr.state.ga)  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Matt,

I wanted to thank all of you for meeting with us today to discuss the Sabal Trail Project.

As we discussed, could you provide the data agreement for obtaining GIS records?

Also, I'm checking for Georgia specifics, but for the entire pipeline route I was told we are co-located with other infrastructure corridors for approximately 80 percent. We looked specifically at the Withlacoochee River crossing and it does appear that we are co-located.

I've also attached copies of the 2013 FERC Procedures and FERC Plans for construction and restoration activities. Of particular interest to Brett, page 12 of the procedures outlines the Post-Construction Maintenance activities and the limitations placed on mowing or clearing adjacent to waterbodies. In some instances, variances are requested at specific locations from the FERC Plan and Procedures and these must be approved by FERC prior to implementation. At this stage of our project, we have not identified any locations where variances will be requested. These variances, if requested and approved, will be included in the various permit applications for the Project.

Hope this is helpful. We'll follow up soon with our meeting notes.

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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We'll be here!

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For more information please visit <http://www.symanteccloud.com>

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## Watson, Bonnie

---

**To:** Watson, Bonnie  
**Subject:** FW: Sabal Trail Follow Up

---

**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Friday, November 08, 2013 8:50 AM  
**To:** Elliott, Matt  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Hi Matt,

I've signed the data use agreement (attached PDF). Please let me know if you need anything else on our end.

Thanks,

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Wednesday, November 06, 2013 4:41 PM  
**To:** Lancaster, Jason; Yellin, Anna; [brett.albanese@dnr.state.ga](mailto:brett.albanese@dnr.state.ga)  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Thanks guys!

Attached please find a data use agreement. Please have the appropriate person at TRC sign (and add their name where it says "insert name here"), scan, and email back to me. I will get Greg Krakow to provide you with data.

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025



MARK WILLIAMS  
COMMISSIONER

DAN FORSTER  
DIRECTOR

**LICENSE FOR USE OF DIGITAL DATA  
PROVIDED BY THE WILDLIFE RESOURCES DIVISION**

The Georgia Department of Natural Resources, Wildlife Resources Division (GDNR-WRD) hereby grants a revocable license to TRC Environmental Corporation (Licensee) to use the following data in an analysis of potential environmental impacts of biofuels:

Selected fields from the GDNR-WRD biodiversity databases (Biotics), including site-specific coordinates and directions to biologically significant sites in Georgia, for all areas within 3 miles of the proposed Sabal natural gas pipeline.

Use of these data is subject to the following conditions:

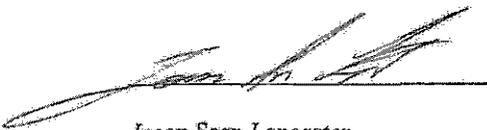
1. The license is nonexclusive and revocable.
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4. Licensee will identify "Georgia Department of Natural Resources, Wildlife Resources Division" as data source on any map or publication using GDNR-WRD data. If format permits, Licensee will also indicate the date that the information was provided by GDNR-WRD.
5. Licensee will provide GDNR-WRD with a list of any reports or printed materials prepared using GDNR-WRD data, and will provide a sample copy of such material if requested by GDNR-WRD, provided such materials may not be disclosed to any third party without the express written permission of the Licensee. GDNR-WRD acknowledges that any reports or printed materials prepared by the Licensee using GDNR-WRD data are the sole and exclusive property of the Licensee.
6. Licensee will provide digital files of the company's lands for which the rare species/natural community data is requested. GDNR-WRD will use these digital files to extract relevant data from Biotics, and will not release or distribute these files without the express written permission of the Licensee.
7. Although GDNR-WRD maintains high standards of data quality control, GDNR-WRD makes no warranty as to the fitness of the data for any purpose, nor that the data are necessarily accurate or complete.
8. GDNR-WRD represents, to the best of its information and belief, that: a) the provision of data does not infringe any statutory or common law copyright or any proprietary right of any third party; b) the provision of data does not invade the right of privacy of any third person, or contain any matter libelous or otherwise in contravention of the rights of any third person; and c) the provision of data does not otherwise violate any federal or state statute or regulation.

Jason Sean Lancaster  
November 8, 2013

9. Licensee understands and acknowledges that release of precise species locations may threaten natural resources. Licensee shall take reasonable precautions to ensure the security of species and natural community locations.
10. In addition to the specific terms of paragraph 7 above, Licensee understands and acknowledges that the accuracy of these data is time-limited. By December 31, 2014, the Licensee will either:
  - a. certify that all copies of these data have been destroyed or returned to GDNR-WRD;  
or
  - b. complete arrangements with GDNR-WRD to receive a comprehensive update to these data. These arrangements shall include an updated license.
11. Licensee will indemnify and hold GDNR-WRD and its officers and employees harmless against any claims by third parties arising out of the use by Licensee of the data provided hereunder.
12. This License is the entire agreement between the parties with respect to the subject matter hereof. It shall be construed in accordance with the laws of the State of Georgia and may be amended only in writing signed by both parties.

By accepting the GDNR-WRD data, Licensee agrees to abide by all of the above conditions. Licensee shall sign this license and return it to GDNR-WRD to indicate receipt and acknowledgement of the terms of this license.

Approved:



Jason Sean Lancaster  
TRC Environmental Corporation  
Norcross, GA



Date

Approved:

\_\_\_\_\_  
Dan Forster, Director  
Wildlife Resources Division  
Georgia Department of Natural Resources

\_\_\_\_\_  
Date

## **Watson, Bonnie**

---

**To:** Watson, Bonnie  
**Subject:** FW: Sabal Trail Follow Up

---

**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Friday, December 13, 2013 3:55 PM  
**To:** Krakow, Greg; Lancaster, Jason  
**Cc:** Yellin, Anna  
**Subject:** FW: Sabal Trail Follow Up

Greg-

Please contact Jason Lancaster as soon as you can about this data exchange – the agreement sat on my “to-do” pile for far too long, my apologies for that. Jason, were doing a buffer of 1 mile along the proposed pipeline route or was it something wider? Anna, you can provide Greg with the shapefile, correct? Jason – expect a signed agreement back from me in the mail very soon.

Thanks all!

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 - office\*\*  
(404)291-8156 - cell  
\*\*Please note new office number

---

**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Friday, November 08, 2013 8:50 AM  
**To:** Elliott, Matt  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Hi Matt,

I've signed the data use agreement (attached PDF). Please let me know if you need anything else on our end.

Thanks,

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Wednesday, November 06, 2013 4:41 PM  
**To:** Lancaster, Jason; Yellin, Anna; [brett.albanese@dnr.state.ga](mailto:brett.albanese@dnr.state.ga)  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Thanks guys!

Attached please find a data use agreement. Please have the appropriate person at TRC sign (and add their name where it says "*insert name here*"), scan, and email back to me. I will get Greg Krakow to provide you with data.

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 - office\*\*  
(404)291-8156 - cell  
\*\*Please note new office number

---

**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Wednesday, November 06, 2013 3:48 PM  
**To:** Elliott, Matt; Yellin, Anna; [brett.albanese@dnr.state.ga](mailto:brett.albanese@dnr.state.ga)  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Matt,

I wanted to thank all of you for meeting with us today to discuss the Sabal Trail Project.

As we discussed, could you provide the data agreement for obtaining GIS records?

Also, I'm checking for Georgia specifics, but for the entire pipeline route I was told we are co-located with other infrastructure corridors for approximately 80 percent. We looked specifically at the Withlacoochee River crossing and it does appear that we are co-located.

I've also attached copies of the 2013 FERC Procedures and FERC Plans for construction and restoration activities. Of particular interest to Brett, page 12 of the procedures outlines the Post-Construction Maintenance activities and the limitations placed on mowing or clearing adjacent to waterbodies. In some instances, variances are requested at specific locations from the FERC Plan and Procedures and these must be approved by FERC prior to implementation. At this stage of our project, we have not identified any locations where variances will be requested. These variances, if requested and approved, will be included in the various permit applications for the Project.

Hope this is helpful. We'll follow up soon with our meeting notes.

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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---

**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Tuesday, November 05, 2013 3:30 PM  
**To:** Lancaster, Jason; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

We'll be here!

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 - office\*\*  
(404)291-8156 - cell  
\*\*Please note new office number

---

**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Tuesday, November 05, 2013 3:21 PM  
**To:** Elliott, Matt; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Hi Matt and Anna,

I wanted to confirm our meeting with you tomorrow at 10:30 AM at your office. At the moment, I believe it will be Donnie Shelton and myself in attendance from TRC but we may have a last minute Spectra representative also.

Looking forward to talking with both of you tomorrow.

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Tuesday, October 29, 2013 12:06 PM  
**To:** Lancaster, Jason; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

We can. Anna, can you check on the availability of the WRCC conference room? If it's not available we can use our meeting area.

Do y'all know where we're at? I have heard that some online mapping applications give erroneous directions or locations. We are roughly 1.5 miles north/west of I-20 Exit 101 on Hwy 278. We are the newer building on the north side of the highway, 2065, just past the fish hatchery. Not to be confused with the WRD HQ building just across the highway. Just ask for me at the front desk.

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 - office\*\*  
(404)291-8156 - cell  
\*\*Please note new office number

---

**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Tuesday, October 29, 2013 12:03 PM  
**To:** Elliott, Matt; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Can we set it up for 10:30 AM on Wednesday, November 6 at your office?

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Tuesday, October 29, 2013 12:00 PM  
**To:** Lancaster, Jason; Yellin, Anna  
**Cc:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

Any of those days are fine with me. How about Weds? Where at and what time?

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 - office\*\*  
(404)291-8156 - cell  
\*\*Please note new office number

---

**From:** Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]  
**Sent:** Tuesday, October 29, 2013 11:01 AM  
**To:** Yellin, Anna; Elliott, Matt  
**Cc:** Shelton, Darwin  
**Subject:** FW: Sabal Trail Follow Up

Hi Anna,

I'm following up with you regarding your available for a meeting next week to discuss the Sabal Trail Pipeline Project. We are available anytime on Tuesday, November 5; Wednesday, November 6, or Friday, November 8.

Please let me know what works best with your schedule.

Thanks,

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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---

**From:** Shelton, Darwin  
**Sent:** Thursday, October 17, 2013 5:11 PM  
**To:** Lancaster, Jason  
**Subject:** FW: Sabal Trail Follow Up

---

**From:** Yellin, Anna [<mailto:Anna.Yellin@dnr.state.ga.us>]  
**Sent:** Thursday, October 17, 2013 2:11 PM  
**To:** Shelton, Darwin  
**Cc:** Elliott, Matt  
**Subject:** RE: Sabal Trail Follow Up

Hi Donnie-

My program manager, Matt Elliott and I will both be in the office the week of 11/4-11/8. Would any of those days fit into your schedule?

-Anna

---

**From:** Shelton, Darwin [<mailto:DShelton@trcsolutions.com>]  
**Sent:** Tuesday, October 15, 2013 3:05 PM  
**To:** Yellin, Anna  
**Subject:** RE: Sabal Trail Follow Up

Thank you Anna,

at any time during the review that you have questions, don't hesitate to contact me. My project manager wanted me to check with you and see if you had openings in your calendar over the next few weeks where we could have a meeting about initial thoughts and aspects of the project, since it is such a large project.

Thank you  
Donnie

---

**From:** Yellin, Anna [<mailto:Anna.Yellin@dnr.state.ga.us>]  
**Sent:** Tuesday, October 15, 2013 12:30 PM  
**To:** Shelton, Darwin  
**Subject:** RE: Sabal Trail Follow Up

I've begun the review, but being such a big project it will more time than most. As part of the review process, I am sending this project to some of the other biologists and I'll let you know when we have questions-

Thank you for checking,  
-Anna

---

**From:** Shelton, Darwin [<mailto:DShelton@trcsolutions.com>]  
**Sent:** Monday, October 14, 2013 8:53 AM  
**To:** Yellin, Anna  
**Subject:** Sabal Trail Follow Up

Ms. Yellin,

I wanted to follow up with you and make sure that the shape worked and see if you had time to review the project yet and if you had any questions.

Thank you,

## Watson, Bonnie

---

**To:** Watson, Bonnie  
**Subject:** FW: 3 mile buffer along route

**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Friday, December 13, 2013 4:36 PM  
**To:** Lancaster, Jason  
**Cc:** Yellin, Anna; Krakow, Greg  
**Subject:** FW: 3 mile buffer along route

Whaddaya know, here you go!

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 - office\*\*  
(404)291-8156 - cell  
\*\*Please note new office number

---

**From:** Yellin, Anna  
**Sent:** Friday, December 13, 2013 4:34 PM  
**To:** Krakow, Greg  
**Cc:** Elliott, Matt  
**Subject:** 3 mile buffer along route

Here are the EOs for Jason Lancaster

Have a good weekend, also!

---

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For more information please visit <http://www.symanteccloud.com>

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## Watson, Bonnie

---

**To:** Watson, Bonnie  
**Subject:** FW: Sabal Trail Follow Up

---

**From:** Lancaster, Jason  
**Sent:** Friday, December 13, 2013 4:19 PM  
**To:** 'Elliott, Matt'; Krakow, Greg  
**Cc:** Yellin, Anna  
**Subject:** RE: Sabal Trail Follow Up

Can we have a 3-mile buffer to match Anna's letter response from September 30, 2013?

Thanks,

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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---

**From:** Elliott, Matt [<mailto:Matt.Elliott@dnr.state.ga.us>]  
**Sent:** Friday, December 13, 2013 3:55 PM  
**To:** Krakow, Greg; Lancaster, Jason  
**Cc:** Yellin, Anna  
**Subject:** FW: Sabal Trail Follow Up

Greg-

Please contact Jason Lancaster as soon as you can about this data exchange – the agreement sat on my “to-do” pile for far too long, my apologies for that. Jason, were doing a buffer of 1 mile along the proposed pipeline route or was it something wider? Anna, you can provide Greg with the shapefile, correct? Jason – expect a signed agreement back from me in the mail very soon.

Thanks all!

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025

## Watson, Bonnie

---

**To:** Watson, Bonnie  
**Subject:** FW: Sabal: GDNR-Whooping Crane Correction

---

**From:** Lancaster, Jason  
**Sent:** Monday, March 17, 2014 12:57 PM  
**To:** 'Yellin, Anna'  
**Cc:** Stephanie L. Fidler ([stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com)); Colleen M. Reilly ([colleen.reilly@cardno.com](mailto:colleen.reilly@cardno.com)); Floyd, Brad; Zimmer, John ([JZimmer@trcsolutions.com](mailto:JZimmer@trcsolutions.com)); De La Flor, Laura ([LdelaFlor@trcsolutions.com](mailto:LdelaFlor@trcsolutions.com)); Jamey Hollingsworth ([jamey.hollingsworth@cardno.com](mailto:jamey.hollingsworth@cardno.com))  
**Subject:** Sabal: GDNR-Whooping Crane Correction

Thanks Anna,

We are evaluating a reroute at the Wood Stork/Rookery location and will communicate the results in our report to you following the completion of all of our field studies.

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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---

**From:** Yellin, Anna [<mailto:Anna.Yellin@dnr.state.ga.us>]  
**Sent:** Monday, March 17, 2014 12:53 PM  
**To:** Lancaster, Jason  
**Subject:** mistake

Thank you for making me aware of my mistake- I don't know why I wrote Whooping Crane instead of Wood Stork- Please mark out that species on the spreadsheet that I sent of species within three miles of the trail- You are correct- I should have written Wood Stork and we appreciate you rerouting the Sabal Trail to avoid their rookery-

Thanks,  
Anna

Anna Yellin  
Environmental Review Coordinator  
Georgia Dept. of Natural Resources  
Nongame Conservation Section  
2065 U.S. Hwy. 278 S.E.  
Social Circle, GA 30025-4743  
Ph: 706-557-3283

## Watson, Bonnie

---

**From:** Lancaster, Jason  
**Sent:** Monday, March 17, 2014 1:09 PM  
**To:** Watson, Bonnie  
**Subject:** FW: Sabal Trail Listed Species Survey Protocol  
**Attachments:** sabal\_3mile.xlsx

Brad or someone else may have forwarded this chain to you but it precedes the email chain I just forwarded.

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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---

**From:** Stephanie L. Fidler [mailto:stephanie.fidler@cardno.com]  
**Sent:** Thursday, March 06, 2014 9:49 PM  
**To:** Lancaster, Jason  
**Cc:** Colleen M. Reilly  
**Subject:** FW: Sabal Trail Listed Species Survey Protocol

Jason,

Please see the email and attached file we received from GA DNR today. It looks like they did not comment at all on the protocol but reviewed the table of potential species she requested we send over on 12/30/13. She has listed mostly state protected plants, some aquatics, and a whopping crane that is supposedly near the pipeline. I know that you have had some interactions with Matt so it may be best if you call him directly to discuss this table. I do not see us doing surveys for these state listed species that have no protection. Colleen and I will be together after the Spread 6 meeting that starts at 1pm EST. We can call you after to talk about this and our meeting, if that works for you. Let us know. We have a pretty busy morning so that may be the only time we can talk. Thanks.

Stephanie L. Fidler  
SENIOR CONSULTANT/PRINCIPAL  
CARDNO ENTRIX

Phone (+1) 813-664-4500 Fax (+1) 813-664-0440 Direct (+1) 813-257-0007 Mobile (+1) 813-376-0189  
Address 3905 Crescent Park Drive, Riverview, FL 33578 USA  
Email [stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

---

**From:** Yellin, Anna [mailto:Anna.Yellin@dnr.state.ga.us]  
**Sent:** Thursday, March 06, 2014 2:40 PM  
**To:** Elliott, Matt; Morris, Katrina; 'stephanie.fidler@cardno.com'

**Cc:** 'annie\_dziergowski@fws.gov'  
**Subject:** FW: Sabal Trail Listed Species Survey Protocol

Missing attachment!

---

**From:** Yellin, Anna  
**Sent:** Thursday, March 06, 2014 2:33 PM  
**To:** Elliott, Matt; Morris, Katrina; 'stephanie.fidler@cardno.com'  
**Cc:** 'annie\_dziergowski@fws.gov'  
**Subject:** RE: Sabal Trail Listed Species Survey Protocol

Please see attached EXCEL document. It looks like several of the Federal or State protected species within three miles of the Sabal Trail did not make the list. I have this pulled from the three mile buffer around the shapefile for the trail that I was given- but perhaps it has changed??? These were in the original attribute file for the shapefile that was sent from this office. Anything in red highlight was left out completely for Georgia (or no counties were given in the case of one); anything in yellow highlight is in the Excel table that was sent from CARDNO ENTRIX, however the red highlighting at the end of the line indicates that that county was not included for that species.

I have indicated only the state and federally protected species for Georgia, not our tracked species. The tracked species are not part of the table sent from CARDNO ENTRIX.

Please let me know if there are further questions.

Thank you!  
Anna

---

**From:** Elliott, Matt  
**Sent:** Tuesday, March 04, 2014 10:15 PM  
**To:** Yellin, Anna; Morris, Katrina  
**Subject:** FW: Sabal Trail Listed Species Survey Protocol

Matt Elliott  
Program Manager  
Georgia Department of Natural Resources  
Wildlife Resources Division  
Nongame Conservation Section  
2065 US Hwy 278, SE  
Social Circle, GA 30025  
(706)557-3213 – office  
(404)291-8156 - cell

---

**From:** Stephanie L. Fidler [<mailto:stephanie.fidler@cardno.com>]  
**Sent:** Tuesday, March 04, 2014 6:04 PM  
**To:** 'Shepherd, Ben'; Elliott, Matt; [Matthew.Marshall@dcnr.alabama.gov](mailto:Matthew.Marshall@dcnr.alabama.gov)  
**Cc:** Steve Godley; Colleen M. Reilly; Jason Lancaster  
**Subject:** FW: Sabal Trail Listed Species Survey Protocol

Please see below the email response from USFWS Jacksonville office that all the USFWS field offices have no additional comments to the proposed protocol and it appears to cover the listed species for the project. Let us know if your agency has any additional comments or questions. Thank you for your time.

Stephanie L. Fidler  
SENIOR CONSULTANT/PRINCIPAL  
CARDNO ENTRIX

Phone (+1) 813-664-4500 Fax (+1) 813-664-4440 Direct (+1) 813-257-0007 Mobile (+1) 813-376-0189  
Address 3905 Crescent Park Drive, Riverview, FL 33578 USA  
Email [stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

---

**From:** Annie Dziergowski [[mailto:annie\\_dziergowski@fws.gov](mailto:annie_dziergowski@fws.gov)]  
**Sent:** Tuesday, March 04, 2014 3:00 PM  
**To:** Stephanie L. Fidler  
**Cc:** Steve Godley  
**Subject:** RE: Sabal Trail Listed Species Survey Protocol

Stephanie,

I have reviewed the protocol and checked with both the field offices in AL and GA and we do not have any additional comments at this time. The protocol appears to cover the listed species for this proposed project.

Please let me know if you have any questions.

Thanks,  
Annie

Annie Dziergowski  
Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
7915 Baymeadows Way, Suite #200  
Jacksonville, FL 32256  
904.731.3089 (direct)  
904.731.3336 (main)  
904.731.3045 (fax)  
[www.fws.gov/northflorida](http://www.fws.gov/northflorida)

---

**From:** Stephanie L. Fidler [<mailto:stephanie.fidler@cardno.com>]  
**Sent:** Thursday, February 27, 2014 5:05 PM  
**To:** [annie\\_dziergowski@fws.gov](mailto:annie_dziergowski@fws.gov)  
**Cc:** Steve Godley  
**Subject:** RE: Sabal Trail Listed Species Survey Protocol

Annie,

Thanks for talking with me today. Please let us know when you start your review next week if you need any additional information. As we discussed today, we have started some of the surveys and plan to continue into the remainder of 2014. We understand with the exception of some avian species that we may need to spot check nests before construction and the gopher tortoise 100% survey for the relocation efforts, the surveys we are conducting this year will be valid for our future permitting efforts. If you determine anything different after review of the protocol please let us know so we can plan accordingly. We want to make sure not to miss nesting windows, etc. and have the most accurate information for our permit applications. Thanks again for your time and we look forward to working with you.

Stephanie L. Fidler  
SENIOR CONSULTANT/PRINCIPAL

CARDNO ENTRIX

Phone (+1) 813-664-4500 Fax (+1) 813-664-0440 Direct (+1) 813-257-0007 Mobile (+1) 813-376-0189  
Address 3905 Crescent Park Drive, Riverview, FL 33578 USA  
Email [stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

---

**From:** Stephanie L. Fidler

**Sent:** Thursday, February 20, 2014 2:20 PM ✓

**To:** 'annie.dziergowski@fws.gov'; 'sandy.abbott@fws.gov'; 'Shepherd, Ben'; 'Matt.Elliott@dnr.state.ga.us';

'Matthias.Laschet@fws.gov'; 'Matthew.Marshall@dcnr.alabama.gov'

**Cc:** [BFloyd@trcsolutions.com](mailto:BFloyd@trcsolutions.com); Jason Lancaster; John Zimmer; Gus McLachlan ([gamclachlan@spectraenergy.com](mailto:gamclachlan@spectraenergy.com)); Jamey Hollingsworth; Colleen M. Reilly; Steve Godley

**Subject:** Sabal Trail Listed Species Survey Protocol

**Importance:** High

To all,

On December 9, 2013 we submitted, on behalf of Sabal Trail Transmission, a comprehensive table summarizing state and federally listed plant and animal species that potentially may occur within or immediately adjacent to the proposed ±500-mile Sabal Trail natural gas pipeline project (Project) in Alabama, Georgia, and Florida, and accordingly, may be affected by the Project (Table 1). As part of this submittal we requested your concurrence that the species list and information in this table was complete and accurate, and, if not, to please provide applicable updates based upon your most recent data.

Based on the assumption that agency concurrence would be forthcoming with only minor changes, Sabal Trail used this summary list as the baseline document in developing species-specific survey protocols for the Project. The attached Sabal Trail Comprehensive Listed Species Survey Protocol Document incorporates all comments and suggestions received to date (including revisions to Table 1). We now request your review and written concurrence as to the completeness and effectiveness of these survey protocols for use in determining listed species presence and to assist in potential future permitting needs for the Project. To meet the Project schedule and critical survey windows for some species (e.g., active bald eagle nests, Florida sand skink spring activity period), it is our plan that surveys be initiated in February/March 2014 and be completed for all species within one year, if possible. Sabal Trail recognizes that changes to the Project corridor alignment may occur (e.g., to avoid impacts to a critical resource or species) and that additional surveys may be required. Thank you for your continued assistance with this project.

We look forward to receiving your response on this critical document. Thank you for your time. Please feel free to contact us with any questions.

Stephanie L. Fidler

SENIOR CONSULTANT/PRINCIPAL  
CARDNO ENTRIX



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EONUI_N_CAT_DESC	SNAME	SCOMNAME	GRANK	SRANK	USES	SPROT	COUNTIES	
0984	Vertebrate Animal	Aimophila aestivalis	Bachman's Sparrow	G3	S2	R	Colquitt	
0005	Vertebrate Animal	Aimophila aestivalis	Bachman's Sparrow	G3	S2	R	Brooks   Lowndes	
0002	Vertebrate Animal	Alosa alabamae	Alabama Shad	G3	S1	T	Brooks   Lowndes	
0006	Invertebrate Animal	Ambiema neislerii	Fat Threeridge	G1	S1	LE	E	Dougherty
0017	Vertebrate Animal	Ameiurus serracanthus	Spotted Bullhead	G3	S2	R	Lowndes   Brooks	
0012	Vascular Plant	Angelica dentata	Sandhill Angelica	G2G3	S2?			Lowndes
0006	Vascular Plant	Arabis georgiana	Georgia Rockcress	G1	S1	C	T	Stewart
0061	Vascular Plant	Balduina atropurpurea	Purple Honeycomb Head	G2	S2S3	R		Colquitt
0004	Vascular Plant	Balduina atropurpurea	Purple Honeycomb Head	G2	S2S3	R		Colquitt
0060	Vascular Plant	Balduina atropurpurea	Purple Honeycomb Head	G2	S2S3	R		Colquitt
0004	Vascular Plant	Baptisia lecontei	Leconte Wild Indigo	G4?	S1			Brooks   Lowndes
0003	Vascular Plant	Callirhoe papaver	Woodland Poppy-mallow	G5	S2S3			Mitchell   Dougherty
0005	Invertebrate Animal	Cambarus cryptodytes	Dougherty Plain Cave Crayfish	G2G3	S1S2	T		Dougherty
0006	Invertebrate Animal	Cambarus cryptodytes	Dougherty Plain Cave Crayfish	G2G3	S1S2	T		Dougherty
0014	Vascular Plant	Carex godfreyi	Godfrey's Sedge	G3G4	S2?			Lee
0007	Vascular Plant	Chamaecrista deeringiana	Florida Senna	G2G4Q	S1?			Mitchell
0003	Vertebrate Animal	Crotalus adamanteus	Eastern Diamond-backed Rat	G4	S4			Lowndes
0024	Vertebrate Animal	Crotalus adamanteus	Eastern Diamond-backed Rat	G4	S4			Colquitt
0111	Vertebrate Animal	Crotalus adamanteus	Eastern Diamond-backed Rat	G4	S4			Mitchell
0139	Vertebrate Animal	Crotalus adamanteus	Eastern Diamond-backed Rat	G4	S4			Brooks
0141	Vertebrate Animal	Crotalus adamanteus	Eastern Diamond-backed Rat	G4	S4			Dougherty
0317	Vertebrate Animal	Cyprinella callitaenia	Bluestripe Shiner	G2G3	S2	R		Stewart
0316	Vertebrate Animal	Cyprinella callitaenia	Bluestripe Shiner	G2G3	S2	R		
0006	Vascular Plant	Drosera tracyi	Tracy's Dew-threads	G3G4	S1			Lowndes   Brooks
0520	Vertebrate Animal	Elanoides forficatus	Swallow-tailed Kite	G5	S2	R		Lowndes
0005	Vertebrate Animal	Elassoma gilberti	Gulf Coast Pygmy Sunfish	GNR	S1S3			Dougherty
0057	Invertebrate Animal	Elliptio arcata	Delicate Spike	G2G3Q	S1S3	E		
0011	Invertebrate Animal	Elliptio arcata	Delicate Spike	G2G3Q	S1S3	E		
0011	Invertebrate Animal	Elliptio arcata	Delicate Spike	G2G3Q	S1S3	E		Dougherty   Mitchell   Baker
0011	Invertebrate Animal	Elliptio arcata	Delicate Spike	G2G3Q	S1S3	E		Dougherty   Mitchell   Baker
0071	Invertebrate Animal	Elliptio arcata	Delicate Spike	G2G3Q	S1S3	E		Dougherty
0001	Invertebrate Animal	Elliptio fraternus	Brother Spike	G1	S1			
0007	Invertebrate Animal	Elliptio nigella	Winged Spike	GX	S1			Dougherty
0007	Invertebrate Animal	Elliptio nigella	Winged Spike	GX	S1			Dougherty
0036	Invertebrate Animal	Elliptioideus sloatianus	Purple Bankclimber	G2	S2	LT	T	
0001	Vascular Plant	Epidendrum magnoliae	Greenfly Orchid	G4	S3		U	
0002	Vascular Plant	Evolvulus sericeus var. sericeus	Creeping Morning-glory	G5T3T5	S1			Mitchell
0301	Vertebrate Animal	Fundulus escambiae	Russetfin Topminnow	G4	SU			Stewart
0008	Vertebrate Animal	Geomys pinetis	Southeastern Pocket Gopher	G5	S2	T		Dougherty
0957	Vertebrate Animal	Gopherus polyphemus	Gopher Tortoise	G3	S2	C	T	Lowndes   Brooks
0012	Vertebrate Animal	Gopherus polyphemus	Gopher Tortoise	G3	S2	C	T	Lowndes
0011	Vertebrate Animal	Gopherus polyphemus	Gopher Tortoise	G3	S2	C	T	Lowndes
0958	Vertebrate Animal	Gopherus polyphemus	Gopher Tortoise	G3	S2	C	T	Lowndes
0132	Vertebrate Animal	Gopherus polyphemus	Gopher Tortoise	G3	S2	C	T	Colquitt
0014	Vertebrate Animal	Graptemys barbouri	Barbour's Map Turtle	G2	S2		T	Dougherty
0015	Vertebrate Animal	Graptemys barbouri	Barbour's Map Turtle	G2	S2		T	Dougherty
0013	Vertebrate Animal	Graptemys barbouri	Barbour's Map Turtle	G2	S2		T	Dougherty
0016	Vertebrate Animal	Graptemys barbouri	Barbour's Map Turtle	G2	S2		T	Dougherty   Mitchell
0027	Vertebrate Animal	Graptemys barbouri	Barbour's Map Turtle	G2	S2		T	Dougherty   Mitchell   Baker
0047	Vertebrate Animal	Graptemys barbouri	Barbour's Map Turtle	G2	S2		T	
0003	Vertebrate Animal	Haldeotriton wallacei	Georgia Blind Salamander	G2	S1		T	Dougherty
0002	Vertebrate Animal	Haldeotriton wallacei	Georgia Blind Salamander	G2	S1		T	Dougherty   Lee
0005	Vertebrate Animal	Haliaeetus leucocephalus	Bald Eagle	G5	S2		T	Lowndes
0137	Vertebrate Animal	Haliaeetus leucocephalus	Bald Eagle	G5	S2		T	Lowndes

0143	Vertebrate Animal	Haliaeetus leucocephalus	Bald Eagle	G5	S2		T	Lowndes
0111	Vertebrate Animal	Haliaeetus leucocephalus	Bald Eagle	G5	S2		T	Brooks
0071	Vertebrate Animal	Haliaeetus leucocephalus	Bald Eagle	G5	S2		T	Dougherty
0071	Vertebrate Animal	Haliaeetus leucocephalus	Bald Eagle	G5	S2		T	Dougherty
0079	Invertebrate Animal	Hamiota subangulata	Shinyrayed Pocketbook	G2	S2	LE	E	Dougherty
0030	Vertebrate Animal	Heterodon simus	Southern Hognose Snake	G2	S2		T	Dougherty   Lee
0005	Vertebrate Animal	Lasius intermedius	Northern Yellow Bat	G4G5	S2S3			Lowndes
0727	Vascular Plant	Litsea aestivalis	Pond Spice	G3	S2		R	
0727	Vascular Plant	Litsea aestivalis	Pond Spice	G3	S2		R	Lowndes
0727	Vascular Plant	Litsea aestivalis	Pond Spice	G3	S2		R	Lowndes
0727	Vascular Plant	Litsea aestivalis	Pond Spice	G3	S2		R	Lowndes
0315	Vertebrate Animal	Lythrurus atrapiculus	Blacktip Shiner	G4	S2			Stewart
0316	Vertebrate Animal	Lythrurus atrapiculus	Blacktip Shiner	G4	S2			Stewart
0016	Vertebrate Animal	Macrochelys temminckii	Alligator Snapping Turtle	G3G4	S3		T	Lowndes   Brooks
0015	Vertebrate Animal	Macrochelys temminckii	Alligator Snapping Turtle	G3G4	S3		T	Lowndes   Brooks
0010	Vertebrate Animal	Macrochelys temminckii	Alligator Snapping Turtle	G3G4	S3		T	
0028	Invertebrate Animal	Medionidus penicillatus	Gulf Moccasinshell	G2	S1	LE	E	Dougherty
0048	Invertebrate Animal	Medionidus penicillatus	Gulf Moccasinshell	G2	S1	LE	E	Dougherty
0006	Vertebrate Animal	Micropterus notius	Suwannee Bass	G3	S2		R	Lowndes
0006	Vertebrate Animal	Micropterus notius	Suwannee Bass	G3	S2		R	Lowndes
0007	Vertebrate Animal	Micropterus notius	Suwannee Bass	G3	S2		R	
0310	Vertebrate Animal	Moxostoma sp. 1	Apalachicola Redhorse	G3	S3			
0010	Vertebrate Animal	Mycteria americana	Wood Stork	G4	S2	LE	E	Brooks
0010	Vertebrate Animal	Mycteria americana	Wood Stork	G4	S2	LE	E	Brooks
0004	Vertebrate Animal	Necturus beyeri complex	Gulf Coast Waterdog	G4	S3			Dougherty
0010	Vertebrate Animal	Notropis hypsilepis	Highscale Shiner	G3	S3		R	Stewart
0006	Vertebrate Animal	Ophisaurus compressus	Island Glass Lizard	G3G4	S2			Brooks
0024	Invertebrate Animal	Pleurobema pyriforme	Oval Pigtoe	G2	S2	LE	E	Dougherty
0001	Vascular Plant	Polygala leptostachys	Georgia Milkwort	G3G4	S1			Lowndes   Brooks
0003	Vascular Plant	Polygala leptostachys	Georgia Milkwort	G3G4	S1			Baker   Dougherty   Mitchell
0005	Invertebrate Animal	Procambarus verrucosus	Grainy Crayfish	G4	S2		R	Stewart
0006	Invertebrate Animal	Procambarus verrucosus	Grainy Crayfish	G4	S2		R	Stewart
0304	Vertebrate Animal	Pteronotropis euryzonus	Broadstripe Shiner	G3	S2		R	
0304	Vertebrate Animal	Pteronotropis euryzonus	Broadstripe Shiner	G3	S2		R	Stewart
0001	Vertebrate Animal	Pteronotropis euryzonus	Broadstripe Shiner	G3	S2		R	Stewart
0001	Vertebrate Animal	Pteronotropis euryzonus	Broadstripe Shiner	G3	S2		R	Stewart
0001	Vertebrate Animal	Pteronotropis euryzonus	Broadstripe Shiner	G3	S2		R	Stewart
0336	Vertebrate Animal	Pteronotropis euryzonus	Broadstripe Shiner	G3	S2		R	
0003	Vertebrate Animal	Pteronotropis euryzonus	Broadstripe Shiner	G3	S2		R	Stewart
0342	Vertebrate Animal	Pteronotropis euryzonus	Broadstripe Shiner	G3	S2		R	Stewart
0013	Vertebrate Animal	Pteronotropis metallicus	Metallic Shiner	GNR	S2?			Lowndes
0025	Vertebrate Animal	Pteronotropis metallicus	Metallic Shiner	GNR	S2?			Colquitt
0056	Invertebrate Animal	Quadrula infucata	Sculptured Pigtoe	G3	S3			
0056	Invertebrate Animal	Quadrula Infucata	Sculptured Pigtoe	G3	S3			Terrell
0009	Vascular Plant	Quercus arkansana	Arkansas Oak	G3	S2S3			Stewart
0008	Vascular Plant	Quercus arkansana	Arkansas Oak	G3	S2S3			Stewart
0002	Vascular Plant	Quercus austrina	Bluff White Oak	G4?	S3?			Brooks
0035	Vascular Plant	Rhododendron prunifolium	Plumleaf Azalea	G3	S3		T	Stewart
0036	Vascular Plant	Rhododendron prunifolium	Plumleaf Azalea	G3	S3		T	Stewart
0048	Vascular Plant	Sarracenia flava	Yellow Flytrap	G5?	S3S4		U	
0029	Vascular Plant	Sarracenia flava	Yellow Flytrap	G5?	S3S4		U	Colquitt
0124	Vascular Plant	Sarracenia flava	Yellow Flytrap	G5?	S3S4		U	
0060	Vascular Plant	Sarracenia flava	Yellow Flytrap	G5?	S3S4		U	Colquitt
0017	Vascular Plant	Sarracenia minor var. minor	Hooded Pitcherplant	G4T4	S4		U	Brooks
0170	Vascular Plant	Sarracenia minor var. minor	Hooded Pitcherplant	G4T4	S4		U	

0006	Vascular Plant	Schoenoplectus etuberculatus	Canby's Clubrush	G3G4	S2				Stewart
0013	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Dougherty
0014	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Dougherty
0016	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Mitchell
0016	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Mitchell
0016	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Mitchell
0019	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Mitchell
0019	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Mitchell
0019	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Mitchell
0019	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Mitchell
0019	Vascular Plant	Schwalbea americana	Chaffseed	G2G3	S1	LE	E		Mitchell
0002	Vascular Plant	Scirpus hallii	Hall Bulrush	G2G3	SH				Dougherty   Baker
0039	Vascular Plant	Sporobolus teretifolius	Wire-leaf Dropseed	G2	S2?				Colquitt
0003	Vascular Plant	Tragia cordata	Heartleaf Nettle Vine	G4	S2?				Lee
0011	Vascular Plant	Tragia cordata	Heartleaf Nettle Vine	G4	S2?				Lowndes
0012	Vascular Plant	Tragia cordata	Heartleaf Nettle Vine	G4	S2?				Lowndes
0001	Vascular Plant	Trillium decipiens	Mimic Trillium	G3	S3?				Stewart
0010	Vertebrate Animal	Tyto alba	Barn owl	G5	S3S4				Terrell
0003	Vertebrate Animal	Ursus americanus floridanus	Florida Black Bear	G5T2	S2				Echols   Clinch   Ware   Brantley   Lanier   Charlton   Pierce   Coffee   Atkinson   Lowndes   Appling   Bacon   Wayne
0023	Invertebrate Animal	Villosa villosa	Downy Rainbow	G3	S3				Lowndes
0029	Invertebrate Animal	Villosa villosa	Downy Rainbow	G3	S3				Dougherty
0199	Animal Assemblage	Wading Bird Colony	Wading Bird Colony	G5	SU				Stewart
0200	Animal Assemblage	Wading Bird Colony	Wading Bird Colony	G5	SU				Stewart
0201	Animal Assemblage	Wading Bird Colony	Wading Bird Colony	G5	SU				Stewart
0516	Animal Assemblage	Wading Bird Colony	Wading Bird Colony	G5	SU				Lowndes
0366	Animal Assemblage	Wading Bird Colony	Wading Bird Colony	G5	SU				Brooks

tabase as right next to the pipeline!

October 30, 2013

Keith Bentley  
Chief – Air Protection Branch  
GDNR  
2 Martin Luther King Drive SE  
Suite 1152  
East Floyd Tower  
Atlanta, GA 30334-9000

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Mr. Bentley:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, (“Sabal Trail”) was formed as a joint venture between Spectra Energy Corp (“Spectra Energy”) and NextEra Energy, Inc. (“NextEra”) to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the “Project”) as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

The Federal Energy Regulatory Commission (“FERC”) regulates the interstate transmission of natural gas and plays a key role in the development of interstate natural gas pipeline projects. In order to initiate its early review of the Project pursuant to the National Environmental Policy Act and to facilitate early public interaction, FERC has established a pre-application process, called Pre-Filing. The Pre-Filing process allows all stakeholders - including FERC, Federal and State agencies and landowners, an opportunity to review project-related information and identify issues prior to submitting a formal application to FERC for a Certificate of Public Convenience and Necessity. Sabal Trail believes the Pre-Filing process is an effective process which allows for early participation and input as the proposed route for a project is being evaluated.

On October 15, 2013, FERC approved Sabal Trail’s request to utilize FERC’s Pre-Filing review process to enhance the early identification and resolution of environmental issues for the Project’s environmental review. FERC assigned Docket No. PF14-1-000 to the Project and you can follow this proceeding on FERC’s website, [www.ferc.gov](http://www.ferc.gov).

From October 1, 2013 through October 23, 2013, Sabal Trail held 18 informational meetings along the proposed pipeline corridor to provide affected landowners with information about the Project. Next, Sabal Trail intends to file with the FERC, draft Resource Report 1 (Project Description) and Resource Report 10 (Route Alternatives) as required by the Pre-Filing process on November 15, 2013. The documents will be available for public review on FERC's website. Copies of these draft resource reports will also be placed in public libraries for stakeholder access and will be distributed to the federal and state agencies that will be involved with the Project. A full set of Draft Resource Reports (1-12) describing project impacts are planned to be filed with FERC and available to the public for review and comment during the Second Quarter of 2014. The formal FERC application, as well as other federal and state applications for the Project, are planned to be filed during the last quarter of 2014.

Additionally, to keep stakeholders informed as the Project progresses, Open Houses will be scheduled during this coming December for additional opportunities to participate and to informally meet with project personnel to receive additional project information and discuss any concerns you. Project information including the schedule for the Open Houses is also available at [www.SabalTrailTransmission.com](http://www.SabalTrailTransmission.com).

We encourage your participation and consultation throughout this process and will continue to keep you apprised of important developments. Please do not hesitate to contact our Project office at (888) 596-7732.

Sincerely,



Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

October 30, 2013

Jac Capp  
Chief – Watershed Protection Branch  
GDNR  
4244 International Parkway  
Suite 120  
Atlanta, GA 30354

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Mr. Capp:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, (“Sabal Trail”) was formed as a joint venture between Spectra Energy Corp (“Spectra Energy”) and NextEra Energy, Inc. (“NextEra”) to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the “Project”) as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

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Sincerely,



Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

October 30, 2013

Dr. David Crass  
GDNR  
254 Washington St.  
SW Ground Level  
Atlanta, GA 30334

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Dr. Crass:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, (“Sabal Trail”) was formed as a joint venture between Spectra Energy Corp (“Spectra Energy”) and NextEra Energy, Inc. (“NextEra”) to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the “Project”) as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

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Sincerely,

A handwritten signature in blue ink, appearing to read "Gus McLachlan", is positioned above the printed name.

Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

October 30, 2013

Mary Walker  
Assistant Director  
GDNR  
2 Martin Luther King Drive SE  
Suite 1152  
East Floyd Tower  
Atlanta, GA 30334-9000

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Ms Walker:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, (“Sabal Trail”) was formed as a joint venture between Spectra Energy Corp (“Spectra Energy”) and NextEra Energy, Inc. (“NextEra”) to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the “Project”) as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

The Federal Energy Regulatory Commission (“FERC”) regulates the interstate transmission of natural gas and plays a key role in the development of interstate natural gas pipeline projects. In order to initiate its early review of the Project pursuant to the National Environmental Policy Act and to facilitate early public interaction, FERC has established a pre-application process, called Pre-Filing. The Pre-Filing process allows all stakeholders - including FERC, Federal and State agencies and landowners, an opportunity to review project-related information and identify issues prior to submitting a formal application to FERC for a Certificate of Public Convenience and Necessity. Sabal Trail believes the Pre-Filing process is an effective process which allows for early participation and input as the proposed route for a project is being evaluated.

On October 15, 2013, FERC approved Sabal Trail’s request to utilize FERC’s Pre-Filing review process to enhance the early identification and resolution of environmental issues for the Project’s environmental review. FERC assigned Docket No. PF14-1-000 to the Project and you can follow this proceeding on FERC’s website, [www.ferc.gov](http://www.ferc.gov).

From October 1, 2013 through October 23, 2013, Sabal Trail held 18 informational meetings along the proposed pipeline corridor to provide affected landowners with information about the Project. Next, Sabal Trail intends to file with the FERC, draft Resource Report 1 (Project Description) and Resource Report 10 (Route Alternatives) as required by the Pre-Filing process on November 15, 2013. The documents will be available for public review on FERC's website. Copies of these draft resource reports will also be placed in public libraries for stakeholder access and will be distributed to the federal and state agencies that will be involved with the Project. A full set of Draft Resource Reports (1-12) describing project impacts are planned to be filed with FERC and available to the public for review and comment during the Second Quarter of 2014. The formal FERC application, as well as other federal and state applications for the Project, are planned to be filed during the last quarter of 2014.

Additionally, to keep stakeholders informed as the Project progresses, Open Houses will be scheduled during this coming December for additional opportunities to participate and to informally meet with project personnel to receive additional project information and discuss any concerns you. Project information including the schedule for the Open Houses is also available at [www.SabalTrailTransmission.com](http://www.SabalTrailTransmission.com).

We encourage your participation and consultation throughout this process and will continue to keep you apprised of important developments. Please do not hesitate to contact our Project office at (888) 596-7732.

Sincerely,



Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

SABAL TRAIL TRANSMISSION, LLC  
2701 N. Rocky Point Drive, Suite 1050  
Tampa, FL 33607



November 6, 2013

Mr. Mark Whitney  
Assistant Director  
Georgia Department of Natural Resources  
Wildlife Resources Division  
2070 U.S. Highway 278, SE  
Social Circle, GA 30025

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Mr. Whitney:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, ("Sabal Trail") was formed as a joint venture between Spectra Energy Corp ("Spectra Energy") and NextEra Energy, Inc. ("NextEra") to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the "Project") as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

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Sincerely,



Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

October 29, 2013

Ms. Ana Yellin  
Georgia Department of Natural Resources  
2070 US Highway 278 SE  
Social Circle, GA 30025

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Ms. Yellin:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, (“Sabal Trail”) was formed as a joint venture between Spectra Energy Corp (“Spectra Energy”) and NextEra Energy, Inc. (“NextEra”) to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the “Project”) as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

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Sincerely,

A handwritten signature in black ink, appearing to read "Gus McLachlan", written in a cursive style.

Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Thursday, April 03, 2014 11:59 AM  
**To:** Renee.Alonso@dnr.state.ga.us  
**Cc:** Watson, Bonnie  
**Subject:** Sabal Trail Transmission - Information Request  
**Attachments:** GA\_DNR\_2014-03-31.zip

Ms. Alonso,

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting state and local offices and inquiring about public water supplies.

Specifically, I am looking to identify public drinking water supply sources and source water protection areas in the vicinity of the Project (i.e., public water supply wells, springs, surface water intakes, reservoirs, and any associated surface or groundwater protection areas or zones). A Project shapefile with three mile search radius is attached to assist in your review.

On behalf of Sabal Trail, TRC respectfully requests that the Georgia Environmental Protection Division review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

## Watson, Bonnie

---

**From:** Alonso, Renee <Renee.Alonso@dnr.state.ga.us>  
**Sent:** Thursday, April 03, 2014 12:35 PM  
**To:** Libby, Nicole  
**Cc:** Watson, Bonnie; Trent, Vicki  
**Subject:** RE: Sabal Trail Transmission - Information Request  
**Attachments:** GA\_PERMIT\_FACILITY\_SINCE\_2013.zip

Hi we are not allowed to give out Intake or public drinking water wells location information. We can tell you if there are some in that three mile radius. Vicki Trent can help you with that. Thanks!

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Thursday, April 03, 2014 11:59 AM  
**To:** Alonso, Renee  
**Cc:** Watson, Bonnie  
**Subject:** Sabal Trail Transmission - Information Request

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**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

## Watson, Bonnie

---

**From:** Trent, Vicki <Vicki.Trent@dnr.state.ga.us>  
**Sent:** Thursday, April 03, 2014 2:32 PM  
**To:** Alonso, Renee; Libby, Nicole  
**Cc:** Watson, Bonnie  
**Subject:** RE: Sabal Trail Transmission - Information Request  
**Attachments:** pipeline\_request.txt

Nicole –

Attached is a file containing a list of drinking water permits which fall within the shapefile buffer that you emailed to me.

Regards,

Vicki Trent  
[vicki.trent@dnr.state.ga.us](mailto:vicki.trent@dnr.state.ga.us)  
404.651.8482

---

**From:** Trent, Vicki  
**Sent:** Thursday, April 03, 2014 2:11 PM  
**To:** Alonso, Renee; Libby, Nicole  
**Cc:** Watson, Bonnie  
**Subject:** RE: Sabal Trail Transmission - Information Request

The attached file appears to be a retrieval of facilities from ICIS(?)...

Please provide a lat-long for the property and a search radius and I will conduct a database search for public water supplies.

Vicki Trent  
[vicki.trent@dnr.state.ga.us](mailto:vicki.trent@dnr.state.ga.us)  
404.651.8482

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**Sent:** Thursday, April 03, 2014 12:35 PM  
**To:** Libby, Nicole  
**Cc:** Watson, Bonnie; Trent, Vicki  
**Subject:** RE: Sabal Trail Transmission - Information Request

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**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Thursday, April 03, 2014 11:59 AM  
**To:** Alonso, Renee  
**Cc:** Watson, Bonnie  
**Subject:** Sabal Trail Transmission - Information Request

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Office/Cell: 508-944-2102

WSID	SYS_NAME	ALT_NAME	pipeline_request		FAC_NUM	FAC_TYPE	MI_PERMIT
GA2730000	BRONWOOD		WELL #2	102		WL	
GA0950000	ALBANY	FLORIDAN	WELL #46		146	WL	047-0002
GA0950000	ALBANY	OLD DAWSON RD &	WELLINGTON	WELL #38			138 WL
047-0002							
GA0710029	VINLAND SUBDIVISION		FRED WEBB RD	WELL #1		101	WL
GA0710040	RIVERWOOD SUBDIVISION		EASEMENT OFF	SUWANEE ROAD			101 WL
GA0710003	FUNSTON	WELL #1	101		WL		
GA0950005	BYRON LAKE ESTATES		BEHIND 4704	MILLBROOKE RD	WELL #1		101
WL							
GA1850122	SHERWOOD MOBILE	HAMLET	HWY 31S	WELL #1	101		WL
GA2050004	SALE CITY		WELL #2	102		WL	
GA0710004	MOULTRIE		"WELL #7, SOUTHWEST	WELL(AT RECREATION PARK)			GUFF"
107 WL							
GA0950000	ALBANY	FLORIDAN	WELL #40		140	WL	047-0002
GA1770012	"WOODGRAIN MILLWORK, INC."		WELL #1	101		WL	
GA0950000	ALBANY	FLORIDAN	WELL #41		141	WL	047-0002
GA0710023	TALLOAKES TRAILS/CIRCLE	BEHIND	102	TALLOKAS TRAIL			102 WL
GA0270033	MICRO CRAFT INCORPORATED		WELL #1	101		WL	
GA0710089	GREENVILLE MHP		WELL #2	102		WL	
GA2050004	SALE CITY		WELL #1	101		WL	
GA0710027	KENDALLWOOD CROSSING SUBDIVISION						KENDELLWOOD CHURCH ROAD
(WP201) WELL #1	101	WL					
GA0950000	ALBANY	OLD HALEY FARM &	COMMERCE	WELL #22		122	WL
047-0002							
GA0710081	PAVO ROAD FARM WS		BLACKBERRY LANE	WELL #2	102		WL
GA1770026	NORTH DOUBLEGATE WATER SYSTEM		BEHIND EZ	MART ON N DOUBLEGATE DR			
101 WL							
GA0950000	ALBANY	FLORIDAN	WELL #44		144	WL	047-0002
GA0950000	ALBANY	FLORIDAN	WELL #43		143	WL	047-0002
GA2730000	BRONWOOD		WELL #1	101		WL	
GA0950000	ALBANY	WILLIE PITTS JR	RD WELL #35		135	WL	047-0002
GA1770029	DAWSON ROAD APARTMENTS		DAWSON ROAD (US	HWY 82)	WELL #1	101	WL
N/A							
GA0710075	BARRENS GOLF COURSE		WELL #1	101		WL	
GA0950065	CREEKSIDE RV PARK		WELL #2	102		WL	
GA2590000	LUMPKIN COTTON ST/N STGE	TK	WELL #2		102	WL	128-0002
GA0950011	HOLLANDS AND HATCHER S/D		BEHIND 1425	NELMS RD	WELL #1		101
WL							
GA1850303	TIGER CREEK MHP		WELL #2	102		WL	
GA1850060	COUNTRY ESTATES EAST & WEST		CLAYATTVILLE	NANKIN RD	WELL #2		EAST
102 WL							
GA0710072	TALLOKAS ESTATES		TALLOKAS RD	WELL #1		101	WL
GA0950000	ALBANY	HOLLY DR BY RR	TRACKS	WELL #21	121		WL 047-0002
GA0950000	ALBANY	NICHOLS	WELL #34		134	WL	047-0002
GA0710081	PAVO ROAD FARM WS		TRAILER PARK	ROAD	WELL #1		101 WL
GA3070001	WESTON	HWY 41S	WELL #1	101		WL	
GA0710008	COLQUITT COUNTY CHILD DEV. CTR		JONAH TILLMAN	ROAD	WELL #1		101
WL							
GA2590000	LUMPKIN RESERVOIR	ST	WELL #1		101	WL	128-0002
GA0710081	PAVO ROAD FARM WS		BLACKBERRY LANE	WELL #3	103		WL
GA0270038	REDWOOD LAKE		WELL #1	101		WL	
GA0710083	HOWARD KNIGHT TRAILER PARKS		CIRCLE ROAD	WELL 1			101 WL
GA2730005	WINDSOR SUBDIVISION		WADSWORTH ROAD	WELL #1	101		WL
GA0710006	RIVERSIDE		MAIN PLANT - 420	11TH AVE	WELL #1		101 WL
035-0003							
GA0710088	SUNLIT PINES MHP		PAAAVO ROAD	WELL #1		101	WL
GA0270038	REDWOOD LAKE		WELL #2	102		WL	
GA2730002	PARROTT HUCKABY ST		WELL #2		102	WL	

		pipeline_request			
GA0950000 047-0002	ALBANY GILLIONVILLE W OF WEYMOUTH WELL #33	133	WL		
GA0950000 GA0710023	ALBANY FLORIDAN WELL #42 TALLOAKES TRAILS/CIRCLE BEHIND 422 PIONEER TRAIL	142	WL	047-0002	101 WL
GA0710087 GA1850303 GA1770060	TALLOKAS TRAIL SOUTHERN TRAILS DRIVE WELL #1 TIGER CREEK MHP WELL #1 101 "DOUBLEGATE NORTH, PHASE VI"	101	WL		101 WL
N/A GA0950000	ALBANY FLORIDAN WELL #47	147	WL	047-0002	
GA0950000 047-0002	ALBANY GILLIONVILLE W OF WESTOVER WELL #24	124	WL		
GA0710087 GA0950065	TALLOKAS TRAIL SOUTHERN TRAILS DRIVE WELL #2 CREEKSIDE RV PARK WELL #1 101	102	WL		
GA0950000 GA0950000	ALBANY FLORIDAN WELL #45 ALBANY OLD DAWSON RD & W DOUBLEGATE WELL #31	145	WL	047-0002	131 WL
047-0002 GA1850060 101 WL	COUNTRY ESTATES EAST & WEST N/A				CLAYATTVILLE NANKIN RD WELL #1 WEST
GA2590000 GA0710083	LUMPKIN TROUTMAN ST WELL #4 HOWARD KNIGHT TRAILER PARKS	104	WL	128-0002	102 WL
GA0710089 GA0710077	GREENVILLE MHP WELL #1 101 SOUTHLAKE SUBDIVISION SHADE MURPHY ROAD (WP201) WELL	101	WL		101 WL
GA0710004 035-0005	MOULTRIE "WELL #5, SUNSET CIRCLE"	105	WL		
GA0710015 GA1770068 WELL 104	SHADY GROVE SUBDIVISION SHADY GROVE ROAD LEE COUNTY UTILITIES AUTHORITY 123 WARRINGTON RD-BRENTWOOD N S/D WL	101	WL		
GA1770068	LEE COUNTY UTILITIES AUTHORITY QUAIL PINE S/D WELL	105	WL		

## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Thursday, April 03, 2014 3:28 PM  
**To:** Trent, Vicki  
**Cc:** Watson, Bonnie  
**Subject:** RE: Sabal Trail Transmission - Information Request

Great, thank you so much!

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

---

**From:** Trent, Vicki [<mailto:Vicki.Trent@dnr.state.ga.us>]  
**Sent:** Thursday, April 03, 2014 3:25 PM  
**To:** Libby, Nicole  
**Subject:** RE: Sabal Trail Transmission - Information Request

I did the 150 foot buffer myself – none of the permits fall within the 150'buffer.

Vicki Trent  
[vicki.trent@dnr.state.ga.us](mailto:vicki.trent@dnr.state.ga.us)  
404.651.8482

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Thursday, April 03, 2014 2:48 PM  
**To:** Trent, Vicki; Alonso, Renee  
**Cc:** Watson, Bonnie  
**Subject:** RE: Sabal Trail Transmission - Information Request

Thank you Vicki. These appear to all be well locations. Is it possible narrow the list down to those within 150 feet of the pipeline? Would it be easier if I provided a new buffer shapefile?

Thank you,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street

Lowell, MA 01854

Office/Cell: 508-944-2102

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**Cc:** Watson, Bonnie  
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Lowell, MA 01854

Office/Cell: 508-944-2102



**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>	4/8/2014		
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	Steve Friedman	<b>Name:</b>	Nicole Libby
<b>Agency/Organization:</b>	GA DNR State Parks	<b>Office Location:</b>	Lowell, MA
<b>Phone No.:</b>	(404) 656-9173	<b>Phone No.:</b>	(508) 944-2102
<b>Subject of Call:</b>	Sabal Trail Transmission – Agency Consultation Public Lands		
<b>Follow-up:</b>			
<b>Cc: (via email)</b>			

**Discussion:**

Mr. Friedman said that any state lands would be identified in the GA clearinghouse data online. I asked if he would like to review Project mapping and he requested to see an overview of the line with the state lands shown.

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Wednesday, April 09, 2014 11:19 AM  
**To:** sfriedman@dnr.state.ga.us  
**Cc:** Watson, Bonnie  
**Subject:** Sabal Trail Transmission - Information Request  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip; Lands GA 11x17P 2014-04-08.pdf; GA Conservation Land MPs 2014-04-09.xlsx

Mr. Friedman,

Thank you for speaking with me on the phone. As I mentioned, I am working on a proposed natural gas transmission pipeline project in Georgia. Below is a brief description of the Project.

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting state offices and inquiring about state-owned lands, easements, and recreational and scenic areas.

Specifically, I am looking to identify whether the proposed facilities will cross or be within 0.25-miles of the following sensitive environmental areas:

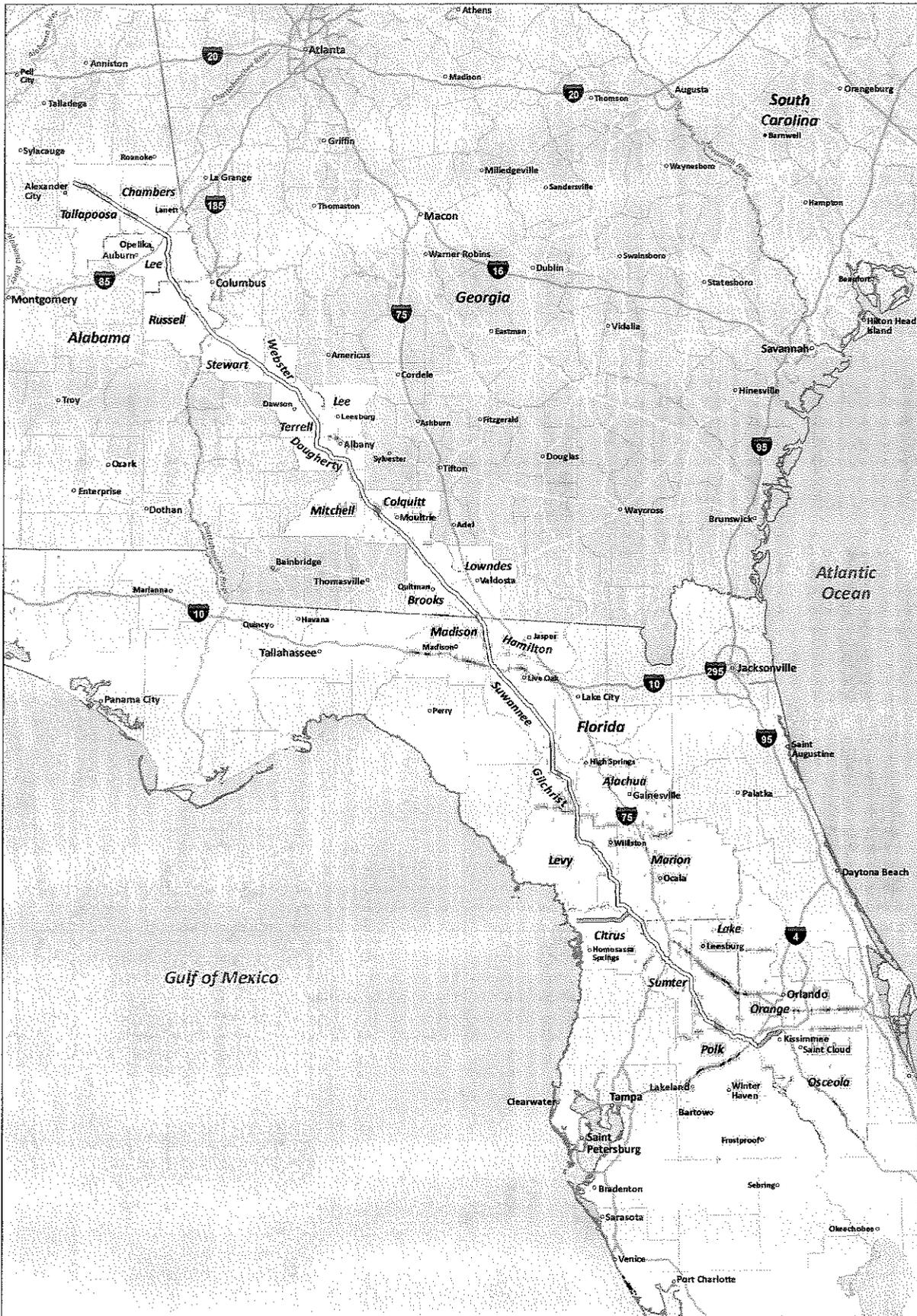
- State designated wild or scenic rivers
- Lands administered by state agencies
- Any state-designated natural, recreational or scenic areas
- Any state-designated or administered natural landmarks or visually-sensitive areas

On behalf of Sabal Trail, TRC respectfully requests that the Georgia Department of Natural Resources review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. Additionally, per our phone conversation yesterday, I have included a Project map showing the Georgia Conservation Lands, and a spreadsheet of Georgia Conservation lands identified as crossed by the Project in Georgia, from the Georgia GIS Clearinghouse information. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

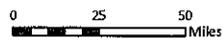
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route

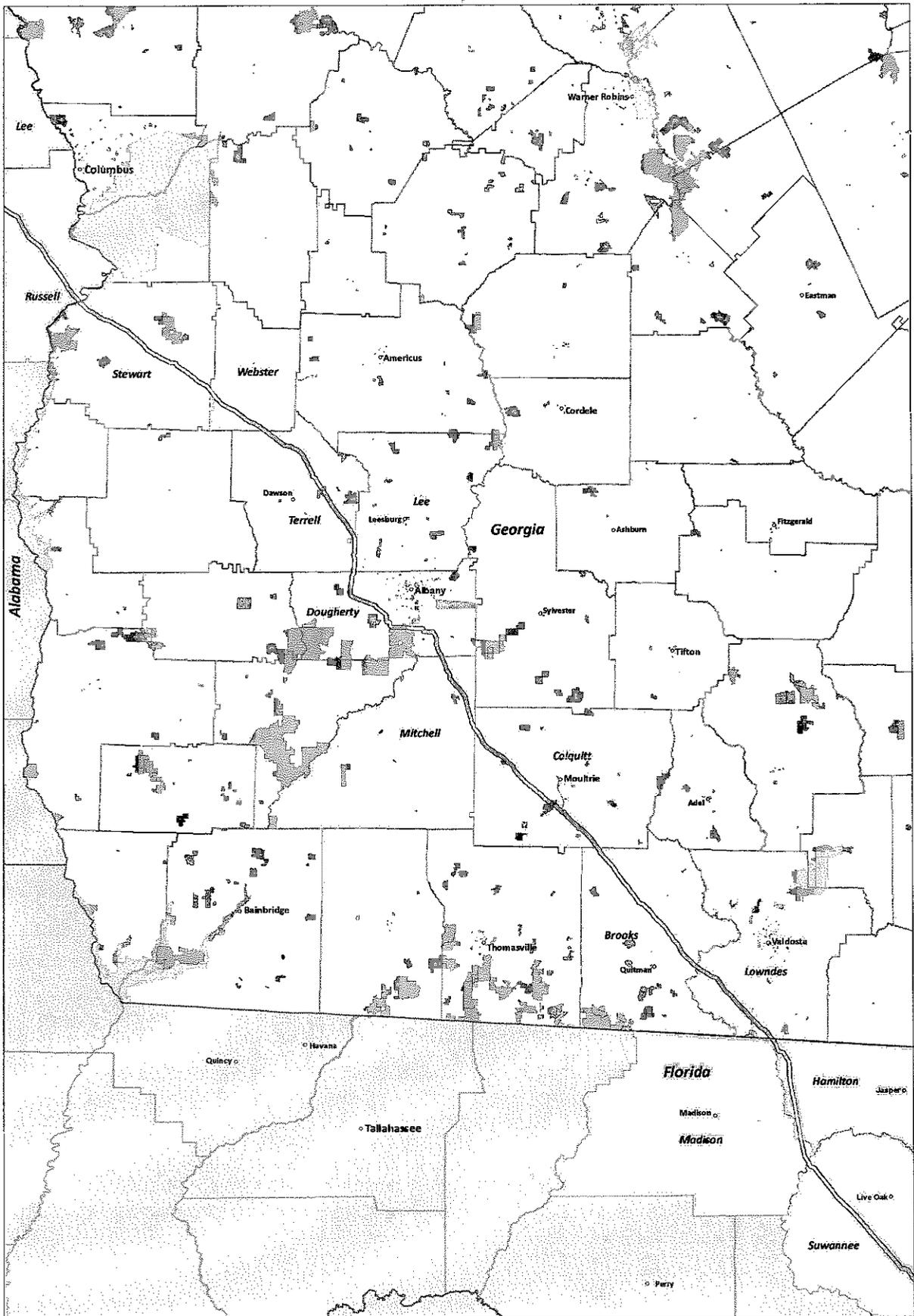


Source: National Atlas



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

DATE: MARCH 13, 2014



- Sabal Trail Route
- ▨ Federal Land
- ▩ State Land
- Local Land
- ◻ Private Land



**GEORGIA CONSERVATION LANDS**

Source: Conservation Lands of Georgia, 2012

RouteID	FMEAS	TMEAS	Category	Owner Type	Owner Name	Local Owner	Manager Name	Primary Designation Type	Primary Local Designation
Sabal Trail Centerline	85.87	85.97	Fee	Federal	Department of Defense (DOD)	U.S. Army Corps of Engineers (ACE)	U.S. Army Corps of Engineers (ACE)	Other Designation	Army Corps of Engineers (ACE)
Sabal Trail Centerline	132.16	132.47	Easement	Private	Private Landowner	Private With Easement or Covenant	Georgia Land Trust	Private Conservation Land	Easement
Sabal Trail Centerline	159.52	160.08	Easement	Private	Private Landowner	Private With Easement or Covenant	Georgia Land Trust	Private Conservation Land	Easement
Sabal Trail Centerline	196.22	196.78	Easement	Private	Private Landowner	Private With Easement or Covenant	Tall Timbers Land Conservancy	Private Conservation Land	Easement

Primary Designation Name	Primary Local Name	Status	State Name	Aggregator Source	GIS Source	GIS Source Date	GIS Acres
Lake Walter F. George	Lake Walter F. George	Designated – Legally or administratively decreed	Georgia	UGA_NARSAL_GAConservationLands2012.gdb	GADNR_conservation_lands11_2011.shp	8/6/2012	25513
2008034	2008034	Designated – Legally or administratively decreed	Georgia	UGA_NARSAL_GAConservationLands2012.gdb	GADNR_it_pr12_2012.shp	8/6/2012	507
2010063	2010063	Designated – Legally or administratively decreed	Georgia	UGA_NARSAL_GAConservationLands2012.gdb	GADNR_it_pr12_2012.shp	8/6/2012	8602
Carlton Farms	Carlton Farms	Designated – Legally or administratively decreed	Georgia	UGA_NARSAL_GAConservationLands2012.gdb	GADNR_it_pr12_2012.shp	8/6/2012	1173

Source Unique ID	Source Protected Area ID	Public Access	GAP Status Code	GAP Status Code Source	GAP Status Code Date	IUCN Category	Date of Establishment	Comments
3704	2595	Unknown	2 - managed for biodiversity – disturbance events suppressed	GAP	2007	V: Protected landscape / seascape	<Null>	
4286	4286	Closed	2 - managed for biodiversity – disturbance events suppressed	GAP Default	2012	V: Protected landscape / seascape	<Null>	
4282	4282	Closed	2 - managed for biodiversity – disturbance events suppressed	GAP Default	2012	V: Protected landscape / seascape	<Null>	
2776	2776	Closed	2 - managed for biodiversity – disturbance events suppressed	GAP Default	2012	V: Protected landscape / seascape	<Null>	

## **Watson, Bonnie**

---

**From:** Friedman, Steve <Steve.Friedman@dnr.state.ga.us>  
**Sent:** Friday, May 09, 2014 1:10 PM  
**To:** Libby, Nicole  
**Cc:** Watson, Bonnie  
**Subject:** RE: Sabal Trail Transmission - Information Request

Our non-game program says they have been in touch with you for some time, so I am going to assume at this point you have what you need from us.

Steve Friedman  
Chief of Real Estate  
Suite 1352 East  
2 Martin Luther King Jr. Drive  
Atlanta, GA. 30334-9000  
(O) 404-656-9173  
Cell 404-538-1215

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Friday, May 09, 2014 8:42 AM  
**To:** Friedman, Steve  
**Cc:** Watson, Bonnie  
**Subject:** RE: Sabal Trail Transmission - Information Request

Okay, thank you.

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

**From:** Friedman, Steve [<mailto:Steve.Friedman@dnr.state.ga.us>]  
**Sent:** Friday, May 09, 2014 8:40 AM  
**To:** Libby, Nicole  
**Cc:** Watson, Bonnie  
**Subject:** RE: Sabal Trail Transmission - Information Request

I apologize for not getting back to you. I did forward this to our non-game program and my guess is you may have already spoken to them. Your maps show state lands and private CE lands which you say below you got from the clearinghouse. That should be very up to date information.

Steve Friedman

Chief of Real Estate  
Suite 1352 East  
2 Martin Luther King Jr. Drive  
Atlanta, GA. 30334-9000  
(O) 404-656-9173  
Cell 404-538-1215

---

**From:** Libby, Nicole [mailto:NLibby@trcsolutions.com]  
**Sent:** Wednesday, April 09, 2014 11:19 AM  
**To:** Friedman, Steve  
**Cc:** Watson, Bonnie  
**Subject:** Sabal Trail Transmission - Information Request

Mr. Friedman,

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Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting state offices and inquiring about state-owned lands, easements, and recreational and scenic areas.

Specifically, I am looking to identify whether the proposed facilities will cross or be within 0.25-miles of the following sensitive environmental areas:

- State designated wild or scenic rivers
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On behalf of Sabal Trail, TRC respectfully requests that the Georgia Department of Natural Resources review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. Additionally, per our phone conversation yesterday, I have included a Project map showing the Georgia Conservation Lands, and a spreadsheet of Georgia Conservation lands identified as crossed by the Project in Georgia, from the Georgia GIS Clearinghouse information. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

**From:** Jason Dickey  
**To:** ["anna.yellin@dnr.state.ga.us"](mailto:anna.yellin@dnr.state.ga.us)  
**Cc:** [Stephanie L. Fidler](#); [Jason Lancaster \(JLancaster@trcsolutions.com\)](mailto:JLancaster@trcsolutions.com); [Jamey Hollingsworth](#)  
**Subject:** Sabal Trail Proposed Mussel Survey - Review Requested  
**Date:** Sunday, June 15, 2014 10:40:00 PM  
**Attachments:** [Cardno ENTRIX Aquatic Reconnaissance Summary Report.pdf](#)

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Anna,

Thanks for speaking with me Thursday afternoon regarding RTE mussel surveys along the proposed Sabal Trail Project Corridor in Georgia. As mentioned, we have performed extensive due diligence to identify locations for species-specific surveys. Our approach has considered all perennial stream crossings where open-cut crossing is being proposed along the proposed corridor. This has included GIS aerial interpretation, consideration of Critical Habitat, review of state historic records and museum collections (*e.g.*, Auburn University Natural History Museum), and reconnaissance visits to numerous crossings to form an on-the-ground opinion as to whether habitat might be supportive of target species.

The attached report is a supplement to the Sabal Trail Pipeline Field SOP (Field SOP) that you would have reviewed earlier this year. This report details the additional review mentioned above and provides a list of the open-cut crossings where we are proposing qualitative surveys. We are requesting concurrence from GADNR that our proposed survey methods, timing, and locations are appropriate for determining presence/absence of RTE mussel species along the Sabal Trail Project Corridor in Georgia.

Please do not hesitate to contact me with any questions during your review.

Sincerely,

**R. Jason Dickey**  
PROJECT SCIENTIST  
CARDNO ENTRIX

Mobile (+1) 850-508-4554  
Address 2420 Lakeshore Drive Suite 100, Tallahassee, FL 32312 USA  
Email [jason.dickey@cardno.com](mailto:jason.dickey@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)



**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>	4/8/2014		
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	Andrew Szwak, Manager	<b>Name:</b>	Nicole Libby
<b>Agency/Organization:</b>	GA Land Conservation Program	<b>Office Location:</b>	Lowell, MA
<b>Phone No.:</b>	(404)584-1035	<b>Phone No.:</b>	(508) 944-2102
<b>Subject of Call:</b>	Sabal Trail Transmission – Agency Consultation Public Lands		
<b>Follow-up:</b>			
<b>Cc: (via email)</b>			

**Discussion:**

Mr. Szwak returned my call. I explained to Mr. Szwak that I am writing an environmental report for Sabal Trail Transmission and am looking to identify public lands, recreation and scenic areas crossed by or in the vicinity of the Project. Mr. Szwak said that any state lands would be identified in the GA GIS clearinghouse state land conservation files, and permanent easements are included in the National Conservation Easement Database. Mr. Szwak also mentioned the CUVA program, which are temporary 10 year conservation easements on private property, no database is available for these. Mr. Szwak did request that I send him the Project files and I sent the files via email after the phone call.

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Tuesday, April 08, 2014 11:29 AM  
**To:** andrew@gefa.ga.gov  
**Cc:** Watson, Bonnie  
**Subject:** Sabal Trail Transmission - Information Request  
**Attachments:** SIT Overview 11x17P 2014-03-13.pdf; SIT Routes\_2014-03-13.zip

Mr. Szwak,

Thank you for speaking with me on the phone. As I mentioned, I am working on a proposed natural gas transmission pipeline project in Georgia. Below is a brief description of the Project.

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting state offices and inquiring about state-owned lands, easements, and recreational and scenic areas.

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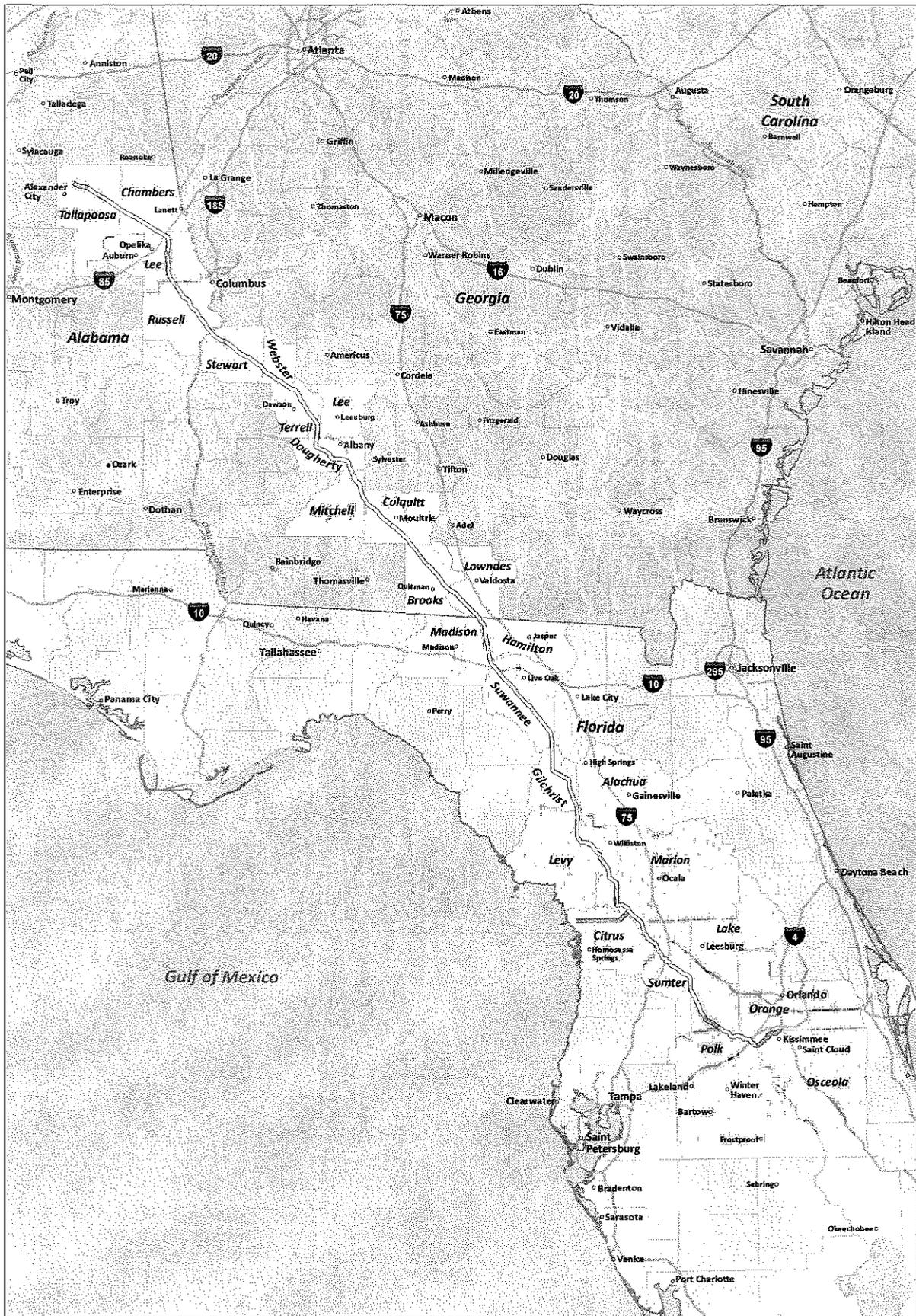
On behalf of Sabal Trail, TRC respectfully requests that the Georgia Land Conservation Program review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

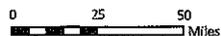
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



Source: National Atlas



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

DATE: MARCH 13, 2014

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Friday, April 04, 2014 1:22 PM  
**To:** dgary@gfc.state.ga.us  
**Cc:** Watson, Bonnie  
**Subject:** Sabal Trail Transmission - Information Request  
**Attachments:** STT Routes\_2014-03-13.zip; STT Overview 11x17P 2014-03-13.pdf

Mr. Gary,

Thank you for speaking with me on the phone. As I mentioned, I am working on a proposed natural gas transmission pipeline project in Georgia. Below is a brief description of the Project.

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting state offices and inquiring about state-owned lands, easements, and recreational and scenic areas.

Specifically, I am looking to identify any lands under the jurisdiction of the Forestry Commission crossed by the Project, any lands participating in any forestry certification programs through the state, and any other sensitive resource areas of concern to the Forestry Commission.

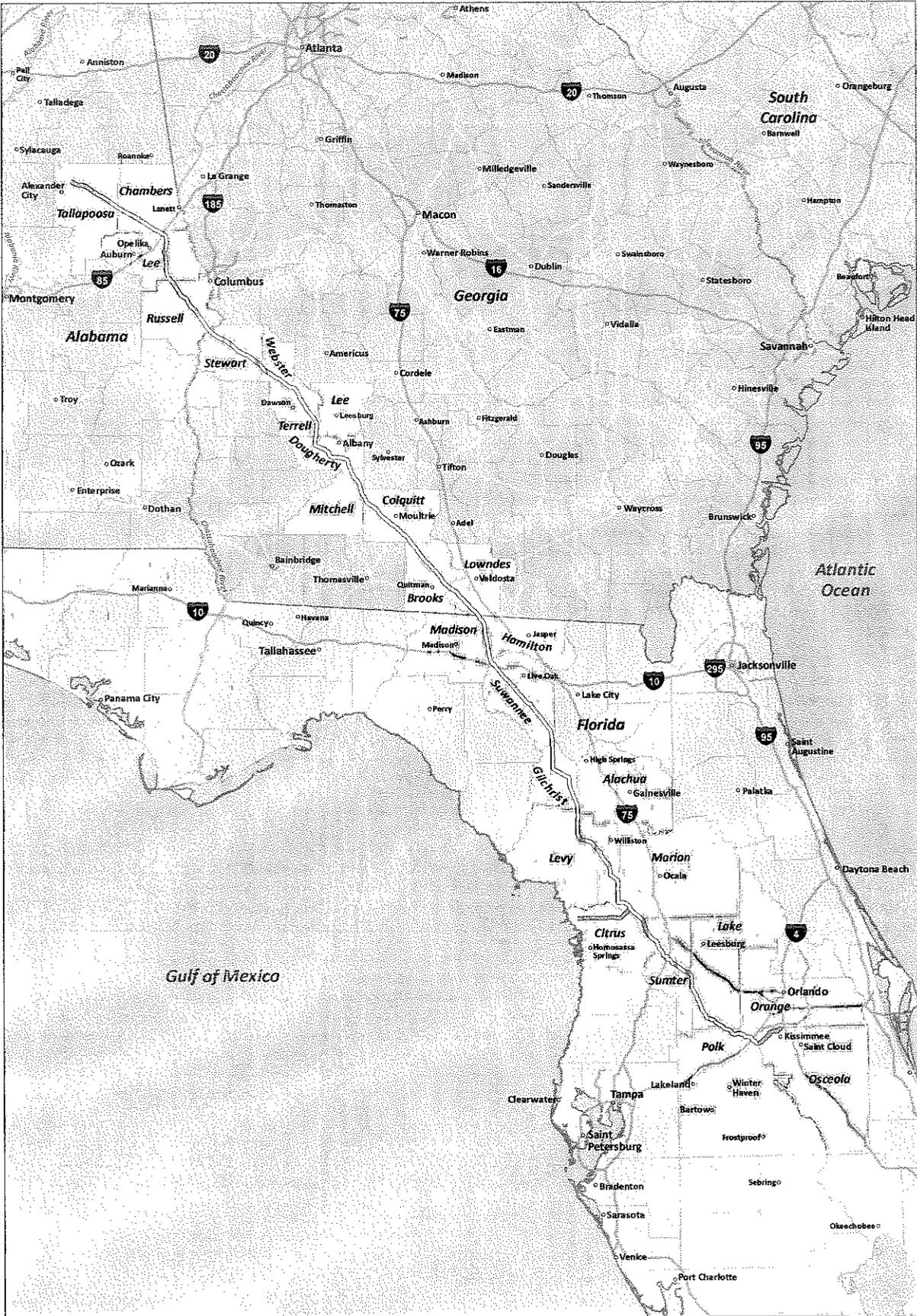
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Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



Source: National Atlas



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

DATE: MARCH 13, 2014

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Monday, April 21, 2014 10:23 AM  
**To:** James Johnson; Dan Gary  
**Cc:** Trent Ingram; Watson, Bonnie; Welch, Elisabeth  
**Subject:** RE: Sabal Trail Transmission - Information Request

Mr. Johnson,

Thank you for the response. Yes, we will contact other state agencies including GA DNR.

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

---

**From:** James Johnson [mailto:jjohnson@GFC.STATE.GA.US]  
**Sent:** Monday, April 21, 2014 10:18 AM  
**To:** Dan Gary  
**Cc:** Trent Ingram; Libby, Nicole  
**Subject:** RE: Sabal Trail Transmission - Information Request

Ms. Libby,

The GFC does not have any fee simple – owned properties nor possess any permanent easement rights to tracts within this corridor.

I assume you will contact other state agencies for their input (particularly GA Dept of Natural Resources)?

Thanks for checking with us.

*James Johnson*, RF  
Chief of Forest Management  
Georgia Forestry Commission  
P.O. Box 819  
Macon, GA 31202-0819  
(478) 951-8498

<http://www.gatrees.org/>

---

**From:** Dan Gary  
**Sent:** Tuesday, April 08, 2014 7:31 AM  
**To:** James Johnson  
**Cc:** Trent Ingram; [Nlibby@trcsolutions.com](mailto:Nlibby@trcsolutions.com)  
**Subject:** RE: Sabal Trail Transmission - Information Request

Yes, James I would like for you to handle this reply back to Ms. Libby if you would, but if you have conflicts and I need to coordinate just let me know.

Thanks so much for all you do,

Dan Gary  
Administrative Director  
Georgia Forestry Commission  
PO Box 819 Macon, GA 31202  
O -478-751-3463  
M-478-319-6538  
[dgary@gfc.state.ga.us](mailto:dgary@gfc.state.ga.us)

---

**From:** James Johnson  
**Sent:** Monday, April 07, 2014 8:40 AM  
**To:** Dan Gary  
**Cc:** Trent Ingram  
**Subject:** RE: Sabal Trail Transmission - Information Request

Good Morning,

I'll follow up with our existing easements and stewardship properties. We would need to refer the "existing certifications" piece to Tree Farm and let them respond.

Trent, do you know of any properties that fit this criteria (that would be in the above categories)? If so, we should compile and respond with a single return message from our agency...I'd be glad to do this if you agree.

*James Johnson, RF*  
Chief of Forest Management  
Georgia Forestry Commission  
P.O. Box 819  
Macon, GA 31202-0819  
(478) 951-8498

<http://www.gatrees.org/>

---

**From:** Dan Gary  
**Sent:** Friday, April 04, 2014 1:28 PM  
**To:** James Johnson  
**Cc:** Trent Ingram  
**Subject:** FW: Sabal Trail Transmission - Information Request

James:

This inquiry seem to be best handled by you and your personnel, as you all have the shape files and can look at our present conservation easements to see if we have anything that falls in the path of this proposed pipeline easement.

Nicole did indicate that she had made the same inquire to DNR as well and is looking for any unique areas that we are aware of ie 'Conservation easements" that might prohibit an easement such as this or be an environmental concern that they might want to avoid.

Trust you will respond accordingly and thanks for taking care of this inquiry.

Dan

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Friday, April 04, 2014 1:22 PM  
**To:** Dan Gary  
**Cc:** Watson, Bonnie  
**Subject:** Sabal Trail Transmission - Information Request

Mr. Gary,

Thank you for speaking with me on the phone. As I mentioned, I am working on a proposed natural gas transmission pipeline project in Georgia. Below is a brief description of the Project.

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Specifically, I am looking to identify any lands under the jurisdiction of the Forestry Commission crossed by the Project, any lands participating in any forestry certification programs through the state, and any other sensitive resource areas of concern to the Forestry Commission.

On behalf of Sabal Trail, TRC respectfully requests that the Georgia Forestry Commission review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Monday, April 21, 2014 11:37 AM  
**To:** Dan Gary  
**Cc:** Watson, Bonnie; Welch, Elisabeth  
**Subject:** RE: Sabal Trail Transmission - Information Request

Mr. Gary,

Thank you, sounds like we are all set. I appreciate your time for the review.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

---

**From:** Dan Gary [mailto:dgary@GFC.STATE.GA.US]  
**Sent:** Monday, April 21, 2014 11:32 AM  
**To:** Libby, Nicole  
**Subject:** FW: Sabal Trail Transmission - Information Request

Libby,

Trust the below response from James Johnson is what you needed in regard to the Georgia Forestry Commission and that we have no areas of concern in regard to land parcels that may pose a significant concern with the Sabal Trail Transmission easement in regard to parcels we have ownership or oversight of. If you have any further questions please advise.

Sincerely yours,

Dan Gary  
Administrative Director  
Georgia Forestry Commission  
PO Box 819 Macon, GA 31202  
O -478-751-3463  
M-478-319-6538  
dgary@gfc.state.ga.us

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**Cc:** Trent Ingram  
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Dan

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**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
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Specifically, I am looking to identify any lands under the jurisdiction of the Forestry Commission crossed by the Project, any lands participating in any forestry certification programs through the state, and any other sensitive resource areas of concern to the Forestry Commission.

On behalf of Sabal Trail, TRC respectfully requests that the Georgia Forestry Commission review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

October 29, 2013

Mr. Terry Kobs  
US Army Corps of Engineers  
1104 N. Westover Blvd.  
Unit 9  
Albany, GA 31707

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Mr. Kobs:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, ("Sabal Trail") was formed as a joint venture between Spectra Energy Corp ("Spectra Energy") and NextEra Energy, Inc. ("NextEra") to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the "Project") as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

The Federal Energy Regulatory Commission ("FERC") regulates the interstate transmission of natural gas and plays a key role in the development of interstate natural gas pipeline projects. In order to initiate its early review of the Project pursuant to the National Environmental Policy Act and to facilitate early public interaction, FERC has established a pre-application process, called Pre-Filing. The Pre-Filing process allows all stakeholders - including FERC, Federal and State agencies and landowners, an opportunity to review project-related information and identify issues prior to submitting a formal application to FERC for a Certificate of Public Convenience and Necessity. Sabal Trail believes the Pre-Filing process is an effective process which allows for early participation and input as the proposed route for a project is being evaluated.

On October 15, 2013, FERC approved Sabal Trail's request to utilize FERC's Pre-Filing review process to enhance the early identification and resolution of environmental issues for the Project's environmental review. FERC assigned Docket No. PF14-1-000 to the Project and you can follow this proceeding on FERC's website, [www.ferc.gov](http://www.ferc.gov).

From October 1, 2013 through October 23, 2013, Sabal Trail held 18 informational meetings along the proposed pipeline corridor to provide affected landowners with information about the Project. Next, Sabal Trail intends to file with the FERC, draft Resource Report 1

(Project Description) and Resource Report 10 (Route Alternatives) as required by the Pre-Filing process on November 15, 2013. The documents will be available for public review on FERC's website. Copies of these draft resource reports will also be placed in public libraries for stakeholder access and will be distributed to the federal and state agencies that will be involved with the Project. A full set of Draft Resource Reports (1-12) describing project impacts are planned to be filed with FERC and available to the public for review and comment during the Second Quarter of 2014. The formal FERC application, as well as other federal and state applications for the Project, are planned to be filed during the last quarter of 2014.

Additionally, to keep stakeholders informed as the Project progresses, Open Houses will be scheduled during this coming December for additional opportunities to participate and to informally meet with project personnel to receive additional project information and discuss any concerns you. Project information including the schedule for the Open Houses is also available at [www.SabalTrailTransmission.com](http://www.SabalTrailTransmission.com).

We encourage your participation and consultation throughout this process and will continue to keep you apprised of important developments. Please do not hesitate to contact our Project office at (888) 596-7732.

Sincerely,

A handwritten signature in black ink, appearing to read "Gus McLachlan", written in a cursive style.

Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

**From:** [Lancaster, Jason](#)  
**To:** [Watson, Bonnie](#)  
**Subject:** FW: Sabal Trail Transmission, LLC-Sabal Trail Project (UNCLASSIFIED)  
**Date:** Monday, October 27, 2014 10:28:46 AM

---

Please add to the USACE communications

Jason Sean Lancaster  
Certified Environmental Professional and Certified Ecologist  
Senior Biologist

4155 Shackleford Road, Suite 225 Norcross, GA 30093  
T: 770.270.1192 | F: 770.270.1392 | C: 404.862.9819  
[LinkedIn](#) | [Twitter](#) | [Blog](#) | [Flickr](#) | [www.trcsolutions.com](#)

-----Original Message-----

From: Kobs, Terry C SAS [<mailto:Terry.C.Kobs@usace.army.mil>]  
Sent: Monday, October 27, 2014 10:28 AM  
To: Lancaster, Jason  
Cc: Finch, Kelly C SAS; Evans, Mark R SAJ  
Subject: RE: Sabal Trail Transmission, LLC-Sabal Trail Project (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

Jason,

I just talked with Mark Evans with SAJ. Based on this conversation and a consideration of the number of crossings a typical crossing figure should work. The exception would be if you have any crossings that would be out of the ordinary or crossing section 408 water ways. Individual drawings should be provide for these crossings.

If you have any questions or concerns please give me a call.

Thanks,

Terry C. Kobs  
Project Manager, Coastal Branch

1104 North Westover Blvd, Unit 9  
Albany, Georgia 31707  
229-430-8567 (desk)  
229-430-8569 (fax)

Please see our Avatar website for additional information concerning the Savannah District's Regulatory Program:

<http://www.sas.usace.army.mil/Missions/Regulatory.aspx>

-----Original Message-----

From: Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]

Sent: Monday, October 20, 2014 2:38 PM

To: Kobs, Terry C SAS

Subject: [EXTERNAL] RE: Sabal Trail Transmission, LLC-Sabal Trail Project (UNCLASSIFIED)

Hi Terry,

As we discussed today, Sabal Trail was originally planning to file the USACE Individual Permit application request in October 2014 for the Sabal Trail Project. That date is currently postponed until late December.

During our discussion, I asked if individual wetland drawings would be required or could we provide typical crossing figures along with alignment sheets and figures to support the JD Report. Please let me know if individual wetland drawings would be required for the Savannah District portion of the application.

Thanks,

Jason Sean Lancaster

Certified Environmental Professional and Certified Ecologist Senior Biologist

4155 Shackelford Road, Suite 225 Norcross, GA 30093

T: 770.270.1192 | F: 770.270.1392 | C: 404.862.9819 LinkedIn | Twitter | Blog | Flickr |

[www.trcsolutions.com](http://www.trcsolutions.com)

-----Original Message-----

From: Kobs, Terry C SAS [<mailto:Terry.C.Kobs@usace.army.mil>]

Sent: Wednesday, June 11, 2014 10:56 AM

To: Lancaster, Jason

Subject: RE: Sabal Trail Transmission, LLC-Sabal Trail Project (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

-----Original Message-----

From: Lancaster, Jason [<mailto:JLancaster@trcsolutions.com>]

Sent: Tuesday, June 10, 2014 1:44 PM

To: Kobs, Terry C SAS

Subject: [EXTERNAL] FW: Sabal Trail Transmission, LLC-Sabal Trail Project

Hi Cindy and Terry,

I've left voice messages with your office today. I am assisting with the preparation of the USACE Section 404 and Section 10 permit applications for the Sabal Trail Project.

Based upon our communications to date with the USACE, the Jacksonville District has taken the lead for

this Project with Mark Evans being the primary point of contact. I was asked to contact each of your offices to discuss our pending applications. Although the Jacksonville District will be the lead office for this Project, it is my understanding that we will be submitting three applications (one per district).

When you have a moment, please contact me to discuss the applications that will be prepared specifically for your district. I would also like to verify that both of you will continue to be our point-of-contact for your respective district and that you have received information submitted to Jacksonville for dissemination.

Thank you for your time.

Jason Sean Lancaster

Certified Environmental Professional and Certified Ecologist Senior Biologist

cid:image002.jpg@01CDCC8F.25412B70

4155 Shackelford Road, Suite 225 Norcross, GA 30093

T: 770.270.1192 | F: 770.270.1392 | C: 404.862.9819

LinkedIn <<http://www.linkedin.com/company/trc-companies-inc>> | Twitter  
<[http://twitter.com/TRC\\_Companies](http://twitter.com/TRC_Companies)> | Blog <<http://blog.trcsolutions.com/>> | Flickr  
<<http://www.flickr.com/photos/trcsolutions/>> | www.trcsolutions.com <<http://www.trcsolutions.com>>

Classification: UNCLASSIFIED  
Caveats: NONE

Classification: UNCLASSIFIED  
Caveats: NONE

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Thursday, March 27, 2014 9:34 AM  
**To:** kyle.mansfield@ga.usda.gov  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Mr. Mansfield,

I am working on a proposed natural gas transmission pipeline Project in Georgia and recently submitted a request for information to the Georgia NRCS office. In response, Dan Wallace (USDA NRCS) suggested I contact you for information on CRP lands in the Project area. Specifically, we are looking to identify any USDA FSA program enrolled properties crossed by the proposed Project. Below is a brief description of the Project.

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands. The specific questions I need to address are stated below.

- 1) Does the project cross conservation lands (e.g., Conservation Reserve Program, Wetland Reserve Program, or Grassland Reserve Program)?
  - a. If yes:
    - i. Is there a map or GIS database available to the public illustrating these areas?
    - ii. If impacts are anticipated, does the NRCS/FSA have any recommendations for avoidance/minimization?

The Project is proposed to traverse the following counties in Georgia: Stewart, Webster, Terrell, Lee, Dougherty, Mitchell, Colquitt, Brooks, and Lowndes.

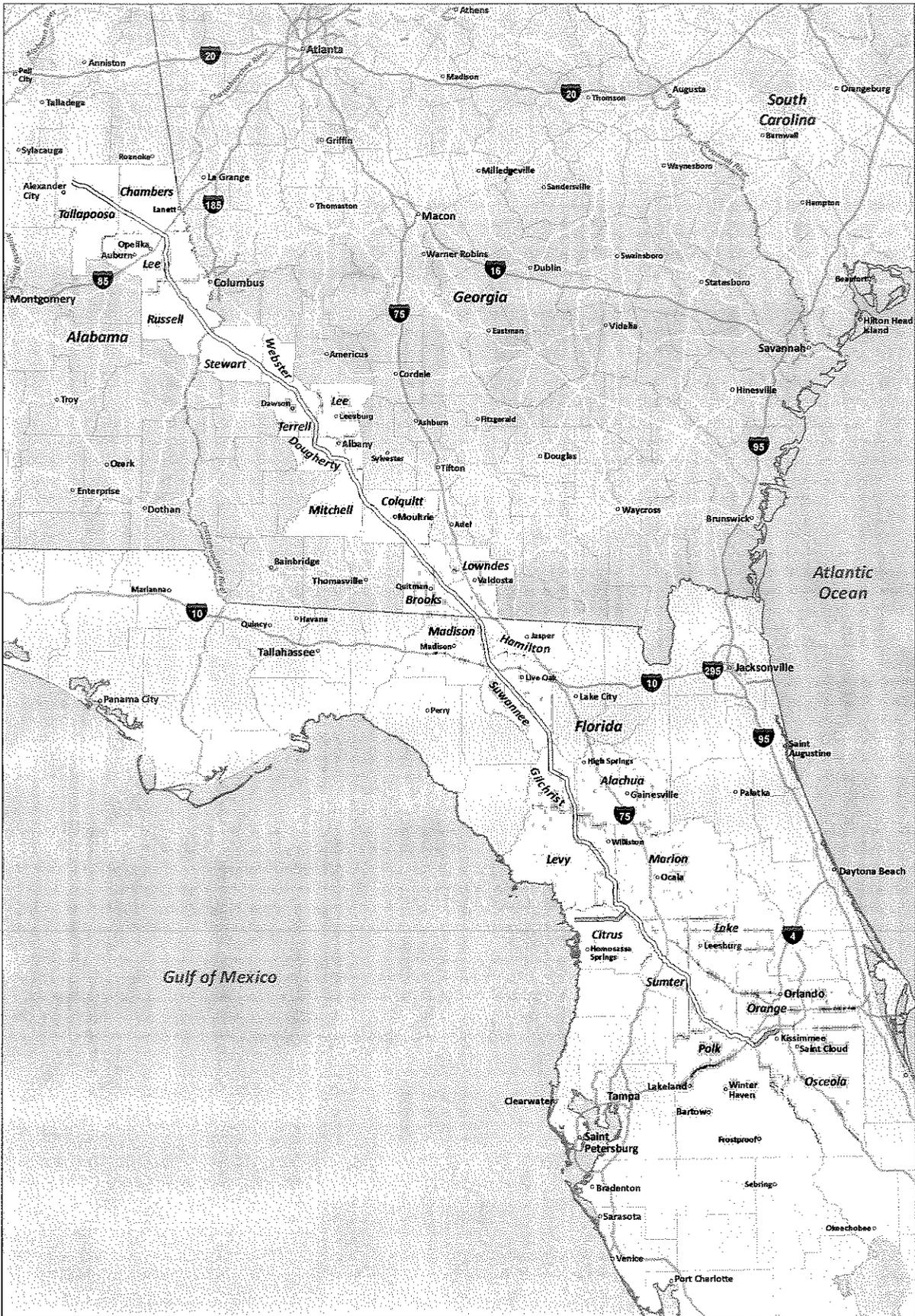
On behalf of Sabal Trail, TRC respectfully requests that the FSA review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

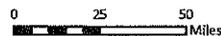
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



Source: National Atlas



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

DATE: MARCH 13, 2014

## **Watson, Bonnie**

---

**From:** Mansfield, Kyle - FSA, Athens, GA <kyle.mansfield@ga.usda.gov>  
**Sent:** Thursday, March 27, 2014 11:05 AM  
**To:** Libby, Nicole  
**Cc:** Watson, Bonnie; Shelton, Darwin; Leonard, Neal - FSA, Athens, GA; Martin, Brett - FSA, Athens, GA  
**Subject:** RE: Sabal Trail Transmission  
**Importance:** High

Good Morning Ms. Libby,

My Chief, Brett Martin and I did talk with Mr. Wallace yesterday concerning your request for information. The counties that are a proposed to be in this project have Conservation Reserve Program farms throughout each of these counties. Most of these counties have a lot of CRP contracts that are active right now. I know you are looking to identify any USDA FSA program enrollment properties but we are unable to provide that at the local or state levels. You would need to submit to Neal Leonard, FOIA Specialist, in writing a FOIA request on what you are trying to locate. I have CCed him in this email. We do not have a public site where you can view these maps/GIS database. A producer who is in CRP would have to terminate that section of the land and they would have to pay back all annual rental payments, liquidated damages, cost share, incentive payments, and interest for the life of the contract.

Please contact Mr. Leonard if you wish to submit a FOIA request.

If you have any additional questions concerning the CRP program, let me know and I will be happy to answer any of your questions or concerns.

Thanks

Kyle Mansfield  
Agricultural Program Specialist (Conservation)  
MIDAS Change Agent/State Trainer  
355 E. Hancock Avenue  
Athens, Georgia 30601  
Direct line: (706) 552-2520  
(706) 546-2262 ext. 6  
Fax: 855-409-5737

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Thursday, March 27, 2014 9:34 AM  
**To:** Mansfield, Kyle - FSA, Athens, GA

**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Sabal Trail Transmission

Mr. Mansfield,

I am working on a proposed natural gas transmission pipeline Project in Georgia and recently submitted a request for information to the Georgia NRCS office. In response, Dan Wallace (USDA NRCS) suggested I contact you for information on CRP lands in the Project area. Specifically, we are looking to identify any USDA FSA program enrolled properties crossed by the proposed Project. Below is a brief description of the Project.

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands. The specific questions I need to address are stated below.

- 1) Does the project cross conservation lands (e.g., Conservation Reserve Program, Wetland Reserve Program, or Grassland Reserve Program)?
  - a. If yes:
    - i. Is there a map or GIS database available to the public illustrating these areas?
    - ii. If impacts are anticipated, does the NRCS/FSA have any recommendations for avoidance/minimization?

The Project is proposed to traverse the following counties in Georgia: Stewart, Webster, Terrell, Lee, Dougherty, Mitchell, Colquitt, Brooks, and Lowndes.

On behalf of Sabal Trail, TRC respectfully requests that the FSA review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

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## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Monday, March 31, 2014 10:16 AM  
**To:** Neal.Leonard@ga.usda.gov  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** FOIA Request - Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Mr. Leonard,

I am working on a proposed natural gas transmission pipeline project in Georgia and recently submitted a request for information to the Georgia FSA office. In response, Kyle Mansfield (USDA FSA) suggested I contact you for information on CRP lands in the Project area. Specifically, we are looking to identify any USDA FSA program enrolled properties crossed by the proposed Project. Below is a brief description of the Project.

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands. The specific questions I need to address are state below.

- 1) Does the Project cross conservation lands (e.g., Conservation Reserve Program, Wetland Reserve Program, or Grassland Reserve Program)?
  - a. If yes:
    - i. Is there a map or GIS database available to the public illustrating these areas?
    - ii. If impacts are anticipated, does the NRCS/FSA have any recommendations for avoidance/minimization?

The Project is proposed to traverse the following counties in Georgia: Stewart, Webster, Terrell, Lee, Dougherty, Mitchell, Colquitt, Brooks, and Lowndes.

On behalf of Sabal Trail, TRC respectfully requests that the FSA review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>	4/3/2014		
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	Sharon Heidt, Program Assistant	<b>Name:</b>	
<b>Agency/Organization:</b>	U.S. Forest Service	<b>Office Location:</b>	
<b>Phone No.:</b>	(404) 347-7478	<b>Phone No.:</b>	
<b>Subject of Call:</b>	Sabal Trail Agency Consultation – Federal Lands		
<b>Follow-up:</b>			
<b>Cc: (via email)</b>			

**Discussion:**

I explained to Ms. Heidt that I am working on the Sabal Trail Project, a natural gas pipeline transmission Project in Alabama, Georgia, and Florida. I stated that I am looking to identify lands administered by the USFS that might be in the vicinity or crossed by the Project and asked if she could provide any information or if she would like to review Project mapping. Ms. Heidt said to contact the state forest service for the information.

Harrison, Fred - FSA, ATHENS, GA <Fred.Harrison@ga.usda.gov>

Mon 9/15/2014 4:20 PM

Mr. Young\_

Regarding your request, let me suggest that you contact the office of the University of Georgia Cooperative Service at 706.542.3924. I am confident they will be of assistance to you.

Fred Harrison, Jr.  
State Executive Director  
Georgia Farm Service Agency, USDA  
[Fred.harrison@ga.usda.gov](mailto:Fred.harrison@ga.usda.gov)  
706-546-2266  
355 E. Hancock Ave., Stop 100  
Athens, GA 30601

REPLYREPLY ALLFORWARD

Mark as unread

Young, Jeffery

Mon 9/15/2014 9:42 AM

Sent Items

To:

Harrison, Fred - FSA, ATHENS, GA <Fred.Harrison@ga.usda.gov>;

Mr. Harrison,

I am currently working on a proposed natural gas pipeline that will traverse the Southern counties of Stewart, Webster, Sumter, Lee, Dougherty, Mitchell, Colquitt, Brooks and Lowndes in the state of Georgia. I am seeking seeding mixture guidance for post-construction restoration processes.

If you could please direct me to the proper authority on this matter I would be greatly appreciative.

Thank you for your assistance,

Jeff Young  
Project Coordinator  
TRC Solutions, Inc.

v



**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>	<b>September 16, 2014</b>		
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	General office number	<b>Name:</b>	Jeffery Young
<b>Agency/Organization:</b>	University of Georgia Cooperative Service	<b>Office Location:</b>	Lake Mary, FL
<b>Phone No.:</b>	706.542.3924	<b>Phone No.:</b>	321-249-8677
<b>Subject of Call:</b>	Request for seed mixture guidance for the Sabal Trail Project		
<b>Follow-up:</b>	None		
<b>Cc: (via email)</b>	None		

**Discussion:** A general message was left offering a brief description of needs (seed mixtures), my name, title, office, and phone number with a request for a call back. None was ever received. Obtained information from another source.

## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 10:48 AM  
**To:** james.tillman@ga.usda.gov  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Mr. Tillman,

I am currently working on a natural gas pipeline transmission project proposed to extend through Colquitt County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

- 1) Does the project cross conservation lands (e.g., Conservation Reserve Program, Wetland Reserve Program, or Grassland Reserve Program)?
  - a. If yes:
    - i. Is there a map or GIS database available to the public illustrating these areas?
    - ii. If impacts are anticipated, does the NRCS have any recommendations for avoidance/minimization?
- 2) Does the NRCS have a list of nuisance/invasive species for Colquitt County, Georgia?
- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

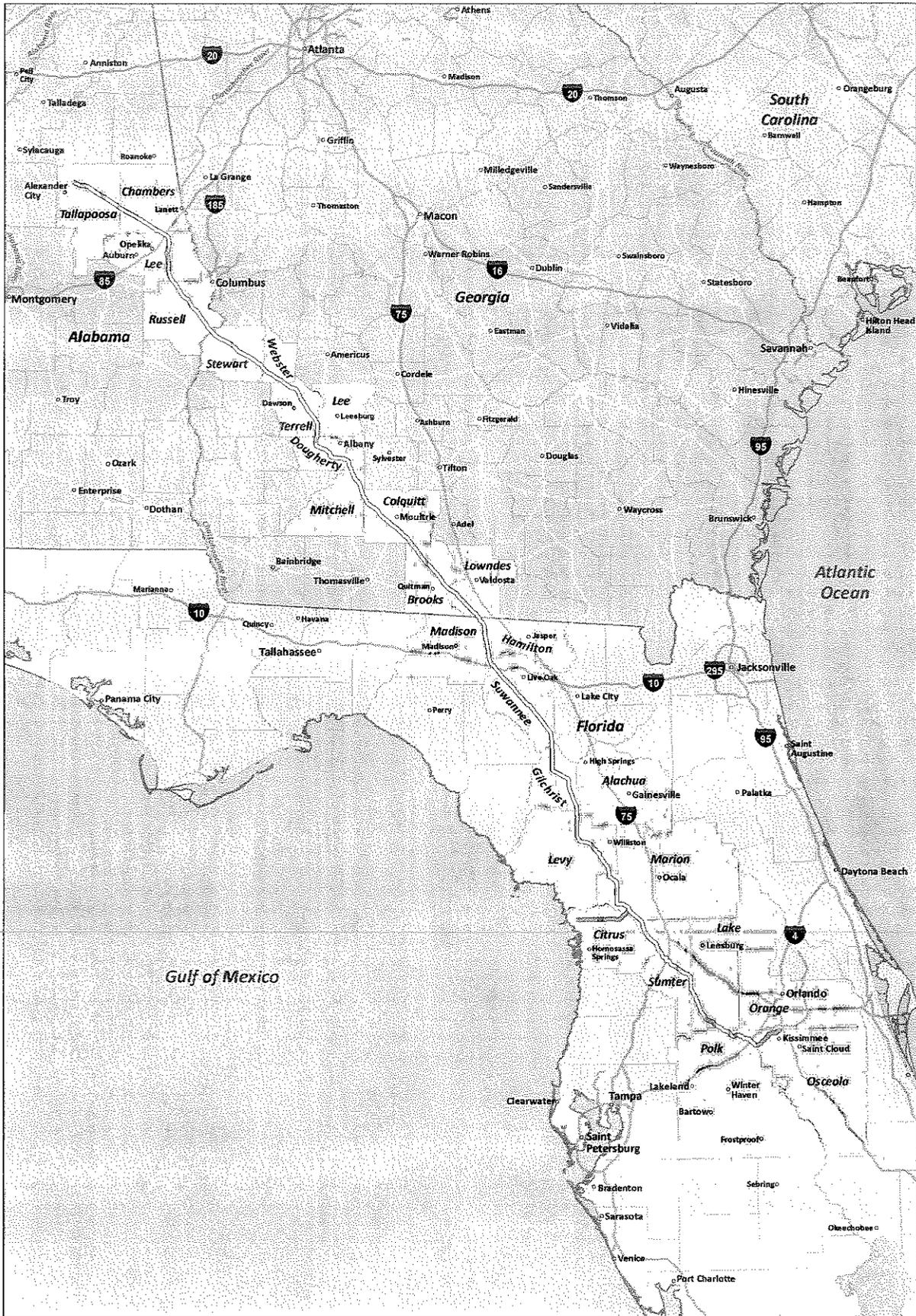
On behalf of Sabal Trail, TRC respectfully requests that the NRCS review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

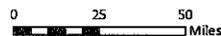
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



Source: National Atlas



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

DATE: MARCH 13, 2014

## Watson, Bonnie

---

**From:** Tillman, James - NRCS, Washington, DC <James.Tillman@wdc.usda.gov>  
**Sent:** Friday, March 14, 2014 12:49 PM  
**To:** Libby, Nicole; Kist, Greg - NRCS, Morgantown, WV; Hooker, Floyd - NRCS, Americus, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin; Lester, Janice - NRCS, Athens, GA; Odom, Randall - NRCS, Moultrie, GA  
**Subject:** RE: Information Request

Nicole,

Thanks for the inquiry, however I am no longer the State Conservationist in Georgia. Greg Kist is presently Acting STC. I have forward your request to him. He will contact you in reference to your email.

Thanks again.

James

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Friday, March 14, 2014 10:48 AM  
**To:** Tillman, James - NRCS, Washington, DC  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request

Mr. Tillman,

I am currently working on a natural gas pipeline transmission project proposed to extend through Colquitt County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species; and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

- 1) Does the project cross conservation lands (e.g., Conservation Reserve Program, Wetland Reserve Program, or Grassland Reserve Program)?
  - a. If yes:
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- 2) Does the NRCS have a list of nuisance/invasive species for Colquitt County, Georgia?
- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

On behalf of Sabal Trail, TRC respectfully requests that the NRCS review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or

comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

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## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 11:06 AM  
**To:** lashawn.dennis@ga.usda.gov  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Lashawn Dennis,

I am currently working on a natural gas pipeline transmission project proposed to extend through Brooks County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

- 1) Does the project cross conservation lands (e.g., Conservation Reserve Program, Wetland Reserve Program, or Grassland Reserve Program)?
  - a. If yes:
    - i. Is there a map or GIS database available to the public illustrating these areas?
    - ii. If impacts are anticipated, does the NRCS have any recommendations for avoidance/minimization?
- 2) Does the NRCS have a list of nuisance/invasive species for Brooks County, Georgia?
- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

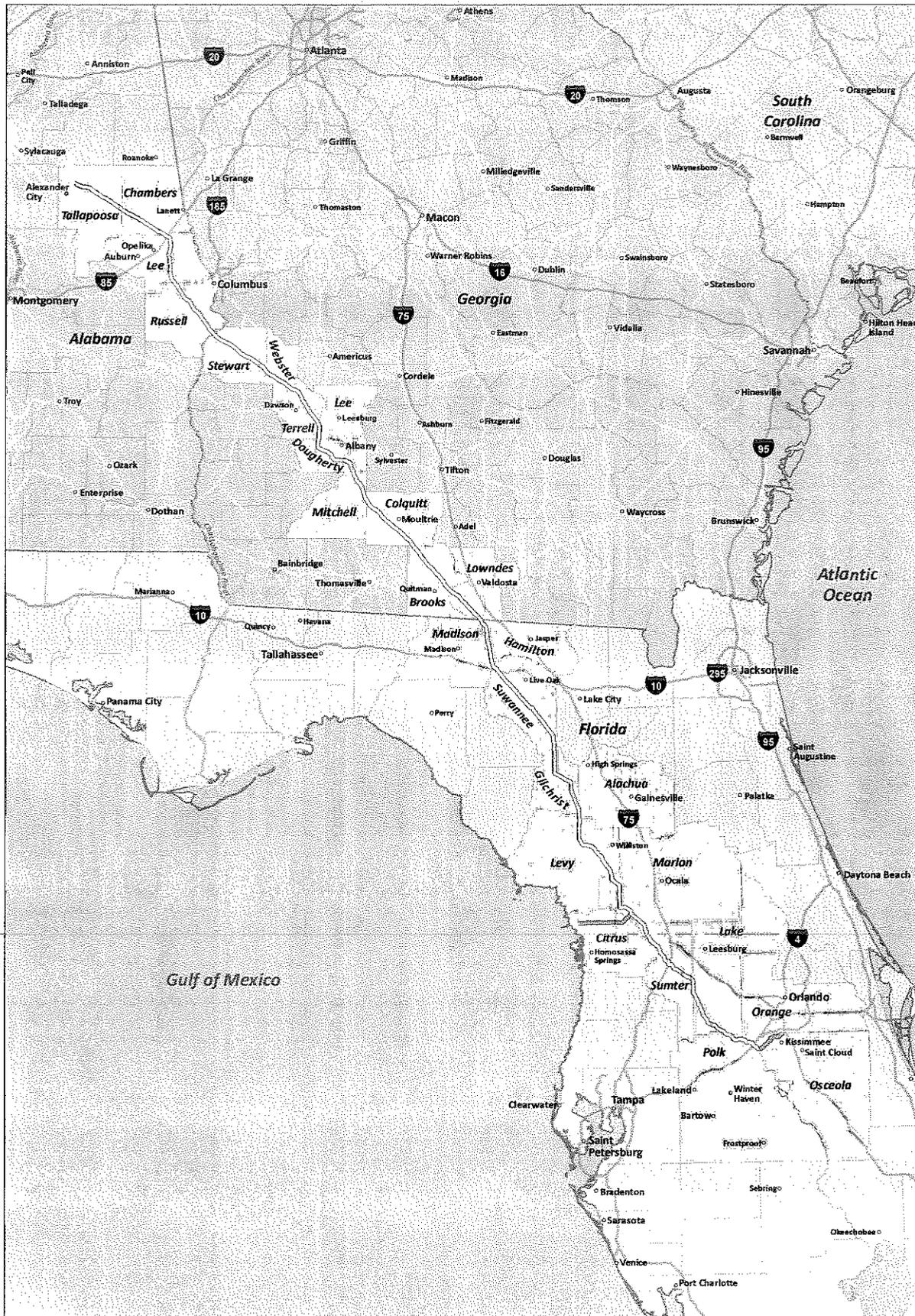
On behalf of Sabal Trail, TRC respectfully requests that the NRCS review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



- Sabal Trail Mainline Route
- Citrus County Line Route
- Hunters Creek Line Route



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

Source: National Atlas

DATE: MARCH 13, 2014

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 12:08 PM  
**To:** MELISSA.GOLDEN@GA.USDA.GOV  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Ms. Golden,

I am currently working on a natural gas pipeline transmission project proposed to extend through Lee County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

- 1) Does the project cross conservation lands (e.g., Conservation Reserve Program, Wetland Reserve Program, or Grassland Reserve Program)?
  - a. If yes:
    - i. Is there a map or GIS database available to the public illustrating these areas?
    - ii. If impacts are anticipated, does the NRCS have any recommendations for avoidance/minimization?
- 2) Does the NRCS have a list of nuisance/invasive species for Lee County, Georgia?
- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

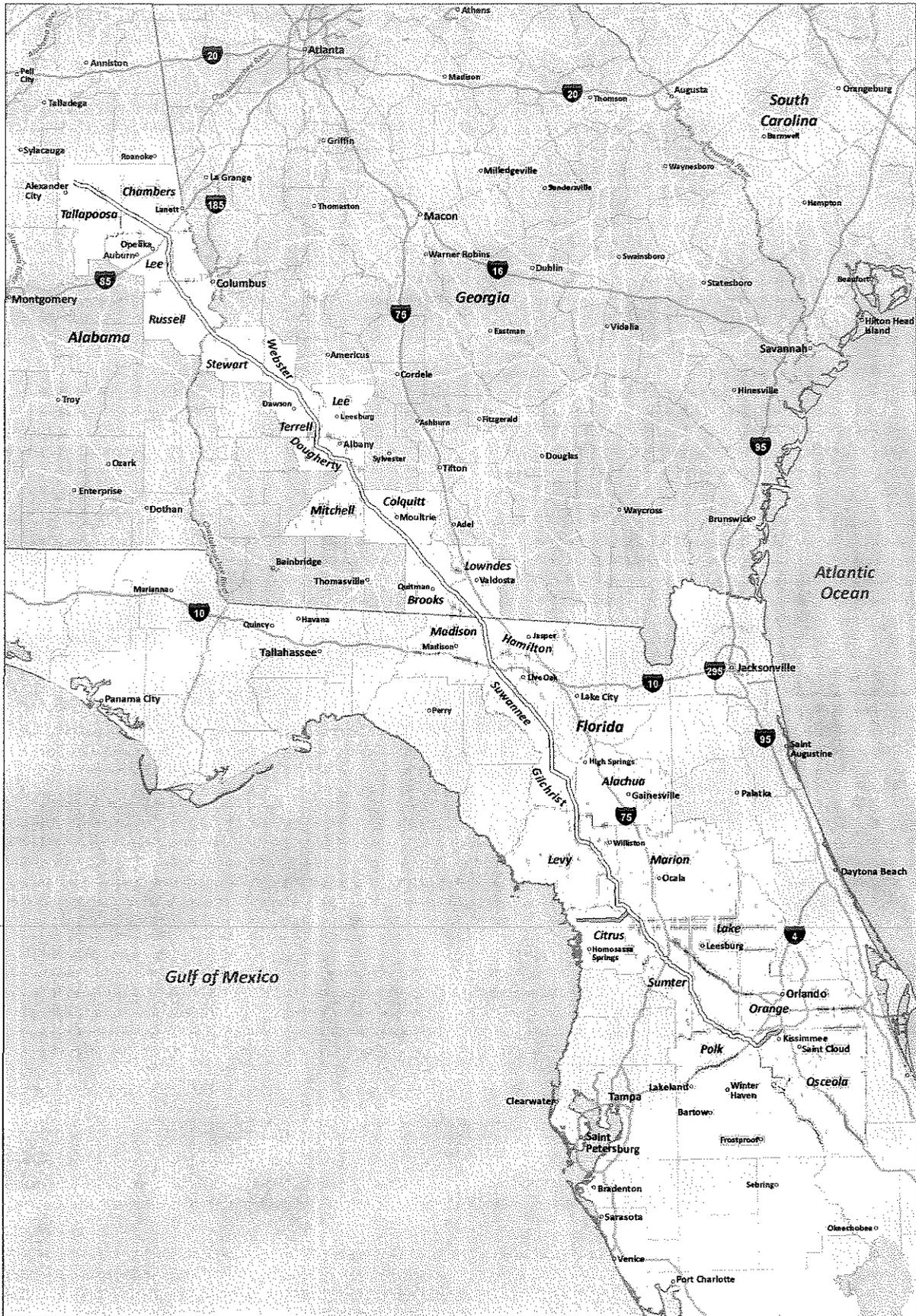
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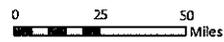
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

Source: National Atlas

DATE: MARCH 13, 2014

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 12:10 PM  
**To:** MIKE.GOARE@GA.USDA.GOV  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Mr. Goare,

I am currently working on a natural gas pipeline transmission project proposed to extend through Webster County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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  - a. If yes:
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    - ii. If impacts are anticipated, does the NRCS have any recommendations for avoidance/minimization?
- 2) Does the NRCS have a list of nuisance/invasive species for Webster County, Georgia?
- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

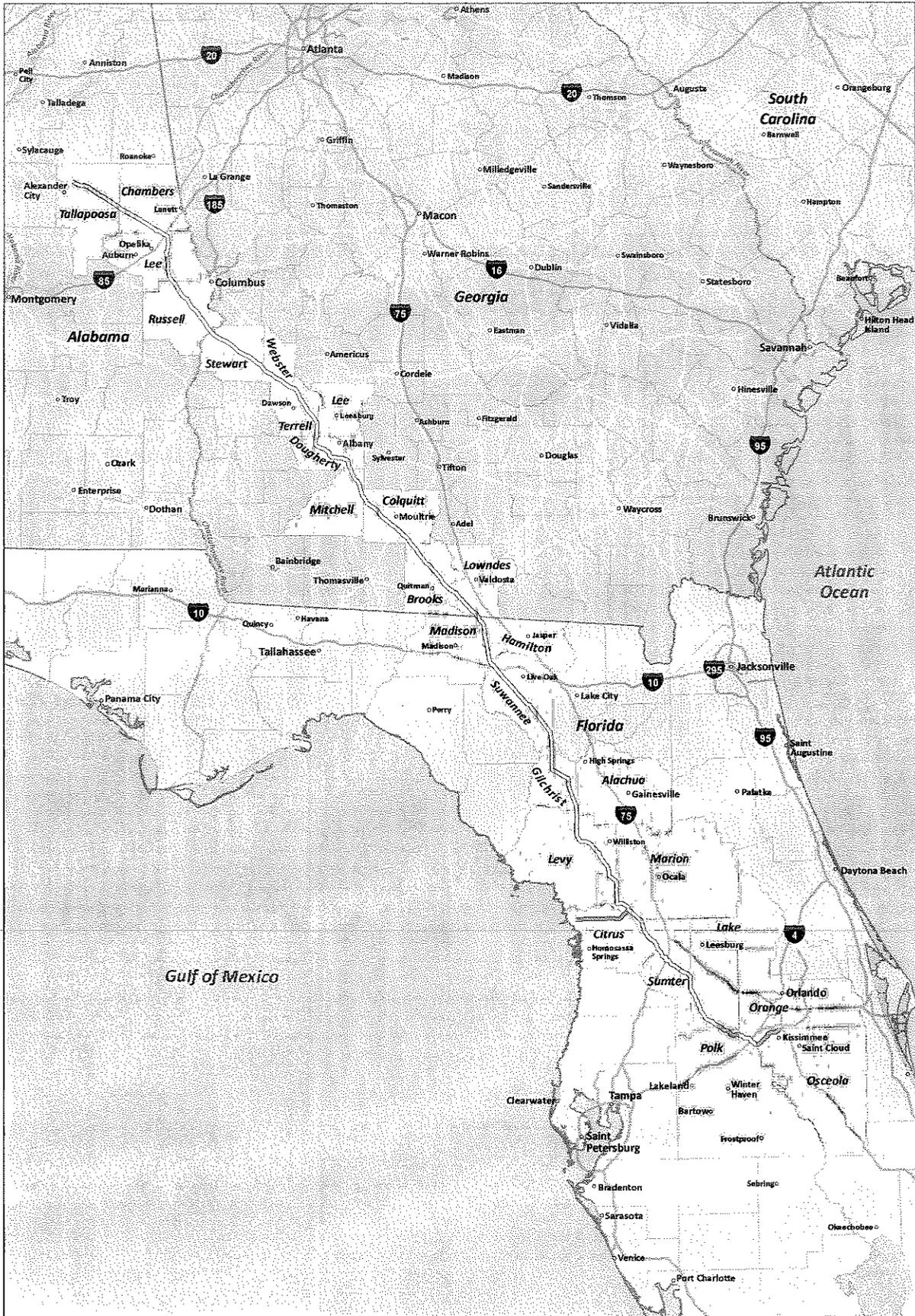
On behalf of Sabal Trail, TRC respectfully requests that the NRCS review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

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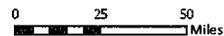
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



Source: National Atlas



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

DATE: MARCH 13, 2014

## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 1:57 PM  
**To:** richard.hosmer@ga.usda.gov  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission  
**Attachments:** SIT Overview 11x17P 2014-03-13.pdf; SIT Routes\_2014-03-13.zip

Mr. Hosmer,

I am currently working on a natural gas pipeline transmission project proposed to extend through Terrell County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

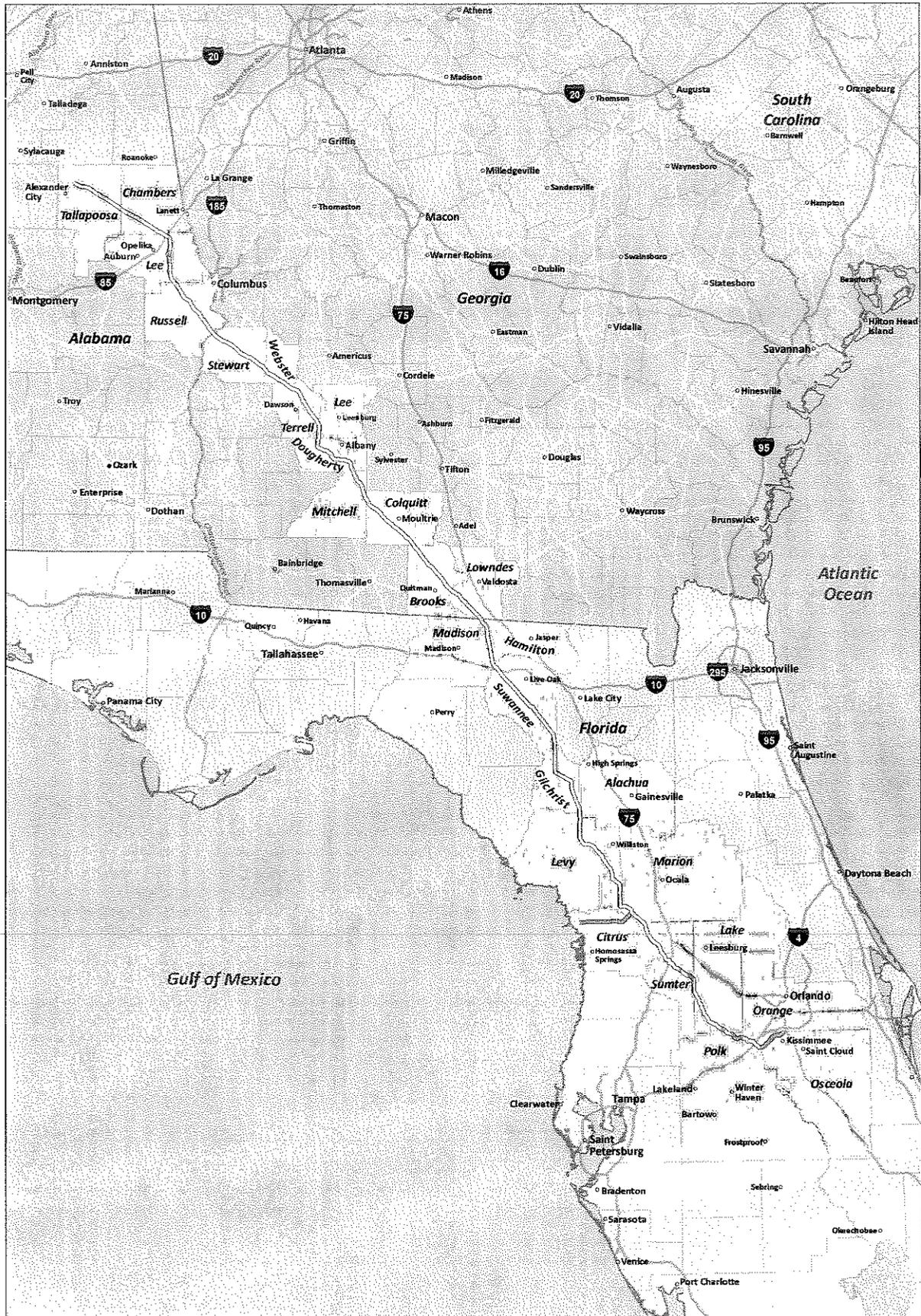
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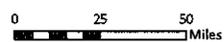
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



 Sabal Trail Mainline Route  
 Citrus County Line Route  
 Hunters Creek Line Route



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

Source: National Atlas

DATE: MARCH 13, 2014

## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 1:59 PM  
**To:** ronnie.may@ga.usda.gov  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Mr. May,

I am currently working on a natural gas pipeline transmission project proposed to extend through Dougherty County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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    - ii. If impacts are anticipated, does the NRCS have any recommendations for avoidance/minimization?
- 2) Does the NRCS have a list of nuisance/invasive species for Dougherty County, Georgia?
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- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

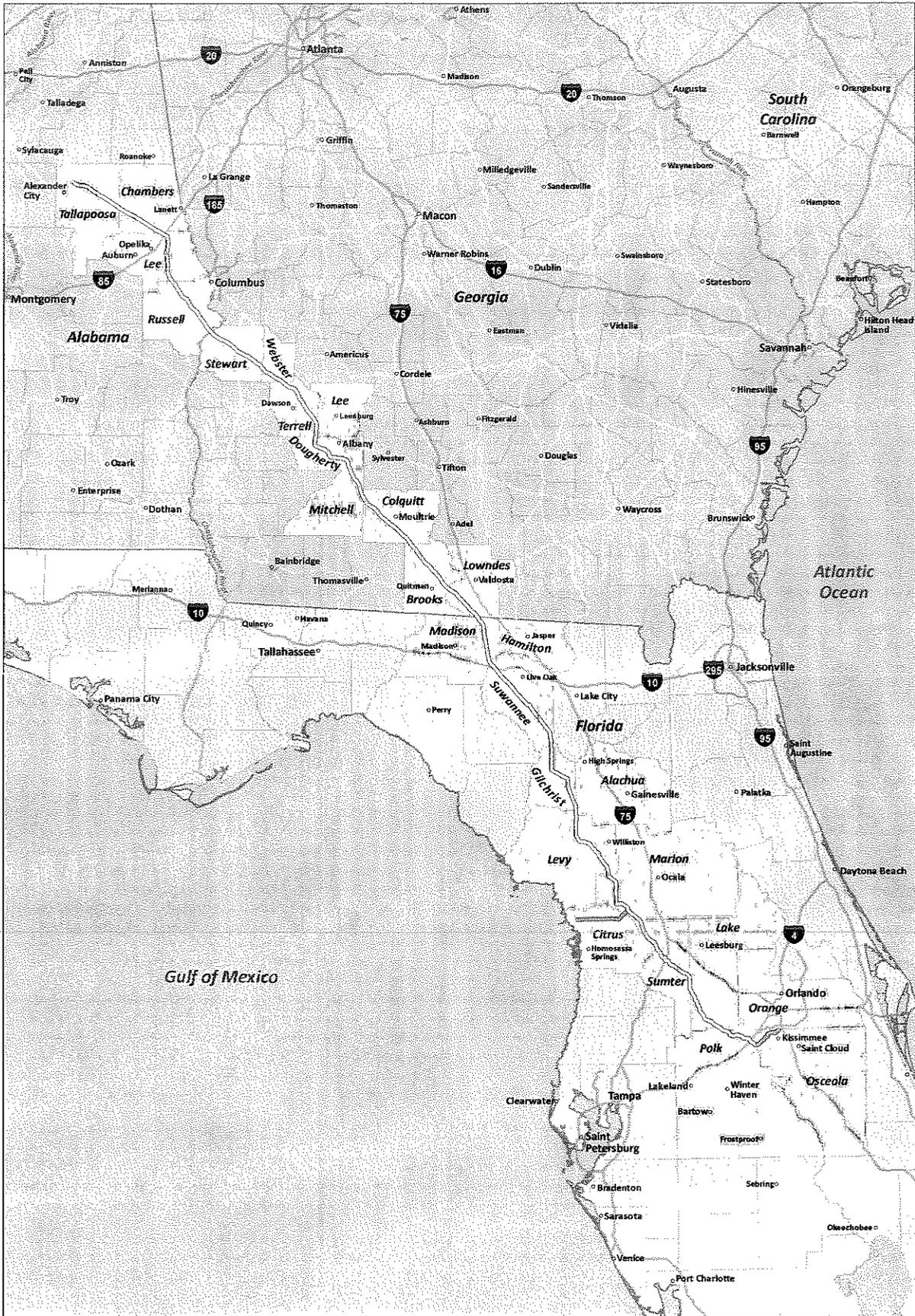
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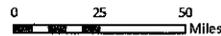
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

Source: National Atlas

DATE: MARCH 13, 2014

## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Tuesday, March 18, 2014 8:57 AM  
**To:** May, Ronnie - NRCS, Albany, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** RE: Information Request - Sabal Trail Transmission

Mr. May,

Thank you for the information. Is there anything you can provide regarding the NRCS conservation programs that are crossed? A general location or landowner information? Any information you are able to provide regarding these areas would be appreciated.

Thank you,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

**From:** May, Ronnie - NRCS, Albany, GA [<mailto:Ronnie.May@ga.usda.gov>]  
**Sent:** Tuesday, March 18, 2014 8:19 AM  
**To:** Libby, Nicole  
**Subject:** RE: Information Request - Sabal Trail Transmission

- 1) Yes, the proposed pipeline route does cross over some NRCS conservation programs. I cannot provide you a map.
- 2) No.
- 3) Please communicate with GA Extension on this.
- 4) Follow manufacturer recommendation.

Sincerely,

Ronnie R. May  
District Conservationist  
Albany Field Office  
Office: (229) 430-8509 ext. 1#  
Cell: (229) 317-3052  
email: [ronnie.may@ga.usda.gov](mailto:ronnie.may@ga.usda.gov)

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Friday, March 14, 2014 1:59 PM

**To:** May, Ronnie - NRCS, Albany, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission

Mr. May,

I am currently working on a natural gas pipeline transmission project proposed to extend through Dougherty County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the

law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Tuesday, March 18, 2014 9:12 AM  
**To:** May, Ronnie - NRCS, Albany, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** RE: Information Request - Sabal Trail Transmission

Okay, thank you. Vontice Jackson also replied that you cover Mitchell County. Is your response the same for that County? Do you know if there are conservation program areas in Mitchell that may be crossed by the Project?

Thank you,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

**From:** May, Ronnie - NRCS, Albany, GA [mailto:Ronnie.May@ga.usda.gov]  
**Sent:** Tuesday, March 18, 2014 9:09 AM  
**To:** Libby, Nicole  
**Subject:** RE: Information Request - Sabal Trail Transmission

No, due to PPI I cannot provide you with that information.

Sincerely,

Ronnie R. May  
District Conservationist  
Albany Field Office  
Office: (229) 430-8509 ext. 1#  
Cell: (229) 317-3052  
email: [ronnie.may@ga.usda.gov](mailto:ronnie.may@ga.usda.gov)

---

**From:** Libby, Nicole [mailto:NLibby@trcsolutions.com]  
**Sent:** Tuesday, March 18, 2014 8:57 AM  
**To:** May, Ronnie - NRCS, Albany, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** RE: Information Request - Sabal Trail Transmission

Mr. May,

Thank you for the information. Is there anything you can provide regarding the NRCS conservation programs that are crossed? A general location or landowner information? Any information you are able to provide regarding these areas would be appreciated.

Thank you,

**Nicole Libby**  
Project Specialist

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**From:** May, Ronnie - NRCS, Albany, GA [<mailto:Ronnie.May@ga.usda.gov>]  
**Sent:** Tuesday, March 18, 2014 8:19 AM  
**To:** Libby, Nicole  
**Subject:** RE: Information Request - Sabal Trail Transmission

- 1) Yes, the proposed pipeline route does cross over some NRCS conservation programs. I cannot provide you a map.
- 2) No.
- 3) Please communicate with GA Extension on this.
- 4) Follow manufacturer recommendation.

Sincerely,

Ronnie R. May  
District Conservationist  
Albany Field Office  
Office: (229) 430-8509 ext. 1#  
Cell: (229) 317-3052  
email: [ronnie.may@ga.usda.gov](mailto:ronnie.may@ga.usda.gov)

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Friday, March 14, 2014 1:59 PM  
**To:** May, Ronnie - NRCS, Albany, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission

Mr. May,

I am currently working on a natural gas pipeline transmission project proposed to extend through Dougherty County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of

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Sincerely,

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Project Specialist

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Office/Cell: 508-944-2102

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## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 2:01 PM  
**To:** STAN.MOORE@GA.USDA.GOV  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Mr. Moore,

I am currently working on a natural gas pipeline transmission project proposed to extend through Lowndes County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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    - ii. If impacts are anticipated, does the NRCS have any recommendations for avoidance/minimization?
- 2) Does the NRCS have a list of nuisance/invasive species for Lowndes County, Georgia?
- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

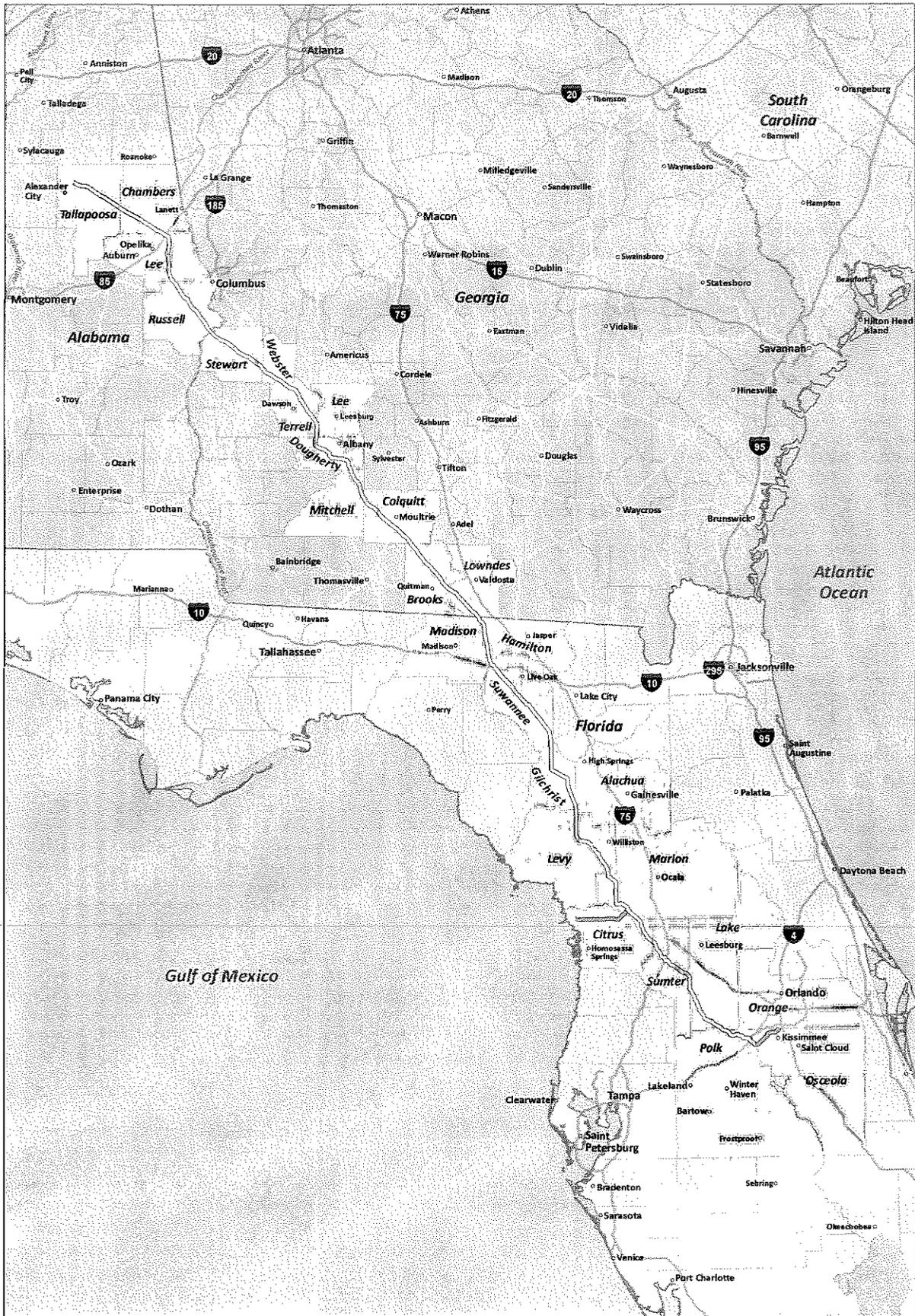
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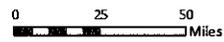
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



- Sabal Trail Mainline Route
- - - Citrus County Line Route
- ..... Hunters Creek Line Route



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

Source: National Atlas

DATE: MARCH 13, 2014

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Tuesday, March 18, 2014 9:04 AM  
**To:** Moore, Stan - NRCS, Nashville, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** RE: Information Request - Sabal Trail Transmission

We anticipate filing draft reports with FERC in Mid-May. It would be great to have any information in the next month for inclusion in that filing.

Thank you,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

**From:** Moore, Stan - NRCS, Nashville, GA [<mailto:stan.moore@ga.usda.gov>]  
**Sent:** Monday, March 17, 2014 6:28 PM  
**To:** Libby, Nicole  
**Subject:** RE: Information Request - Sabal Trail Transmission

Thanks....when do you need this information by?

Stan Moore  
District Conservationist  
USDA Natural Resources Conservation Service  
516A County Farm Road Suite 2  
Nashville, GA 31639  
Office: 229-686-5557  
Cell: 912-218-1984

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Friday, March 14, 2014 2:01 PM  
**To:** Moore, Stan - NRCS, Nashville, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission

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(Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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Lowell, MA 01854

Office/Cell: 508-944-2102

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## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 2:05 PM  
**To:** vontice.jackson@ga.usda.gov  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Vontice Jackson,

I am currently working on a natural gas pipeline transmission project proposed to extend through Mitchell County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

- 1) Does the project cross conservation lands (e.g., Conservation Reserve Program, Wetland Reserve Program, or Grassland Reserve Program)?
  - a. If yes:
    - i. Is there a map or GIS database available to the public illustrating these areas?
    - ii. If impacts are anticipated, does the NRCS have any recommendations for avoidance/minimization?
- 2) Does the NRCS have a list of nuisance/invasive species for Mitchell County, Georgia
- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

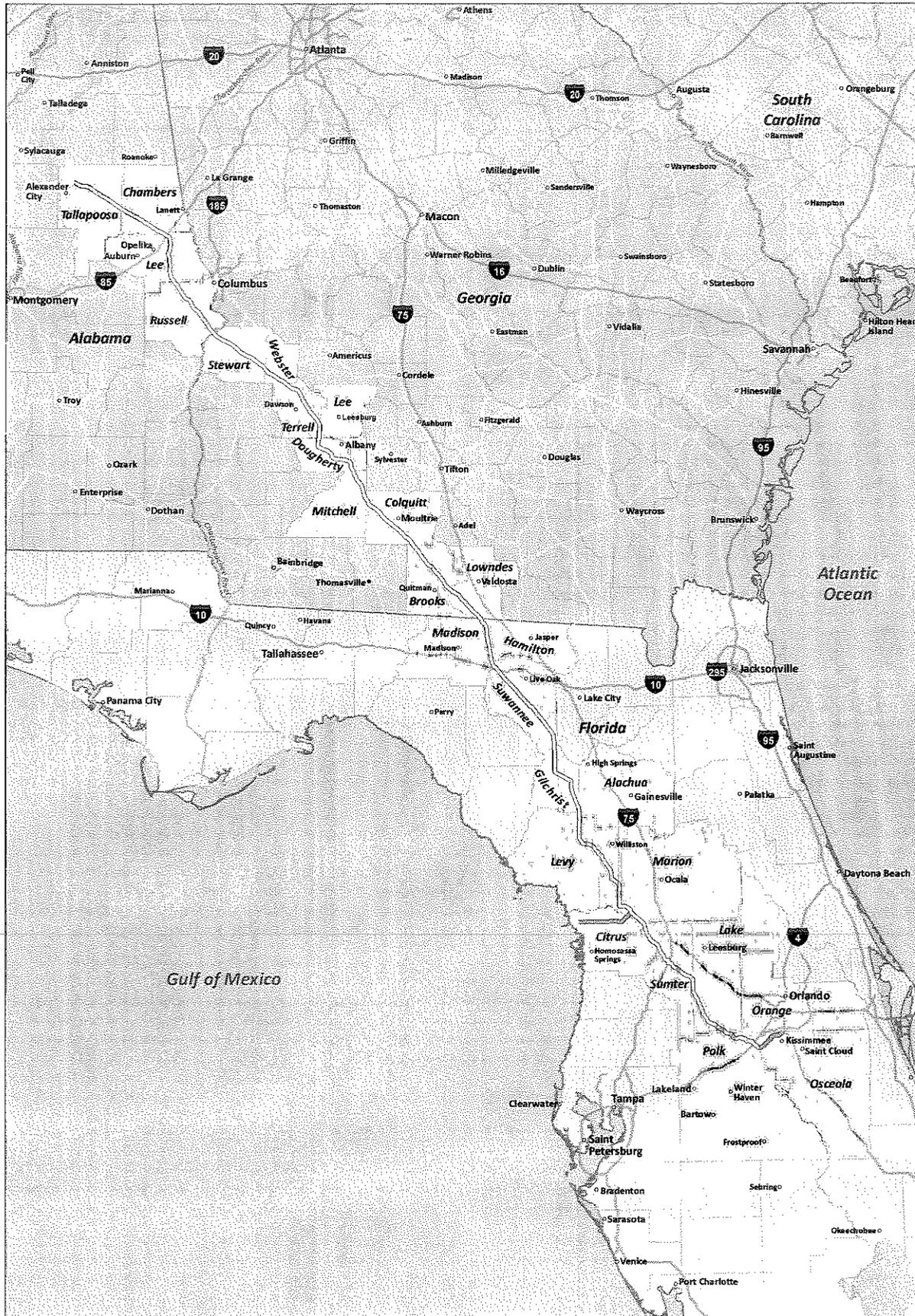
On behalf of Sabal Trail, TRC respectfully requests that the NRCS review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

Source: National Atlas

DATE: MARCH 13, 2014

## Watson, Bonnie

---

**From:** Jackson, Vontice - NRCS, Swainsboro, GA <vontice.jackson@ga.usda.gov>  
**Sent:** Monday, March 17, 2014 1:10 PM  
**To:** Libby, Nicole  
**Cc:** Watson, Bonnie; Shelton, Darwin; May, Ronnie - NRCS, Albany, GA; Hooker, Floyd - NRCS, Americus, GA; Odom, Randall - NRCS, Moultrie, GA  
**Subject:** FW: Information Request - Sabal Trail Transmission  
**Attachments:** STT Overview 11x17P 2014-03-13.pdf; STT Routes\_2014-03-13.zip

Ms. Libby,

I no longer cover Dougherty/Mitchell Counties under NRCS. Ronnie May is the DC there and I have cc'd him on my this response so that he can better assist you. Should you need additional assistance please contact the Area Engineer for that area, Randy Odom, whom I have cc'd as well.

Vontice Jackson  
District Conservationist  
USDA-NRCS  
145 North Anderson Drive  
Swainsboro, GA 30401

478-237-8037 Ext. 3  
855-794-1329 Fax  
912-218-1981 Cell

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Friday, March 14, 2014 2:05 PM  
**To:** Jackson, Vontice - NRCS, Swainsboro, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission

Vontice Jackson,

I am currently working on a natural gas pipeline transmission project proposed to extend through Mitchell County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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    - ii. If impacts are anticipated, does the NRCS have any recommendations for avoidance/minimization?
- 2) Does the NRCS have a list of nuisance/invasive species for Mitchell County, Georgia

- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

On behalf of Sabal Trail, TRC respectfully requests that the NRCS review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

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**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>	3/19/2014		
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	Dan Wallace	<b>Name:</b>	Nicole Libby
<b>Agency/Organization:</b>	USDA NRCS GA Resource Inventory Coordinator	<b>Office Location:</b>	Lowell, MA
<b>Phone No.:</b>	(767) 546 2244	<b>Phone No.:</b>	508-944-2102
<b>Subject of Call:</b>	Sabal Trail Transmission Information Request		
<b>Follow-up:</b>	Phone call		
<b>Cc: (via email)</b>	Dan.wallace@usda.gov		

**Discussion:**

Dan called me in response to the email information requests to USDA NRCS that I sent out to the county representatives for Georgia. Dan said that he would review the Project for all Georgia counties and get back to me with one response.

## Watson, Bonnie

---

**From:** Libby, Nicole  
**Sent:** Thursday, March 27, 2014 9:16 AM  
**To:** Watson, Bonnie  
**Cc:** Shelton, Darwin; Stoltzfus, Michael  
**Subject:** FW: Information Request - Sabal Trail Transmission  
**Attachments:** GA\_Critical\_Area\_Planting\_(342)\_Conservation\_Practice\_Standard.pdf; STT\_SoilWatershedMap.pdf; GeorgiaInvasiveSpeciesStrategy.pdf

Consultation response below, NRCS.

---

**From:** Wallace, Dan - NRCS, Athens, GA [mailto:Dan.Wallace@ga.usda.gov]  
**Sent:** Wednesday, March 26, 2014 1:50 PM  
**To:** Libby, Nicole  
**Cc:** jon.ambrose@dnr.state.ga.us; Holbrooks, Sharon - NRCS, Athens, GA; Mansfield, Kyle - FSA, Athens, GA; Lawrence, Steve - NRCS, Athens, GA; Dennis, Lashawn - NRCS, Quitman, GA; Darsey, William - NRCS, Moultrie, GA; May, Ronnie - NRCS, Albany, GA; Hosmer, Richard - NRCS, Dawson, GA; Yancey, Frank - NRCS, Americus, GA; Moore, Stan - NRCS, Nashville, GA  
**Subject:** RE: Information Request - Sabal Trail Transmission

Hello Ms. Libby, I am answering your information request on behalf of the Georgia field offices you contacted concerning the questions for your Sabal Trail Transmission natural gas pipeline resource report to the FERC. This reply does not apply to areas in Alabama and Florida. Addressing your questions as you posed them in the original email:

1. Conservation Reserve Program (CRP) lands are administered by the Farm Service Agency. Inquiring directly of landowners whether their land is in CRP as you contact them will be the easiest way to locate CRP participants in the pipeline's path. Almost definitely, there will be participants along this stretch. To get the information from FSA will require a Freedom of Information Request approved at their national level. The contact is Kyle Mansfield, copied on this e-mail. As to Wetland Reserve Program, Grassland Reserve Program and also Farm and Ranchland Protection Program easements, which are administered by NRCS, we have consulted our records and determined that there are no easements within 8,000' of the proposed route. There is a public website: <http://gdwweb1.ftw.nrcs.usda.gov/> I advise you to keep contacting us personally however, as there is some lag time between the closing of an easement and posting on this public site. Sharon Holbrooks manages easement programs in Georgia, copied here.
2. Georgia's state government has an invasive species control plan administered through the Department of Natural Resources which can be found here: <http://www.georgiawildlife.org/Conservation/InvasiveManagement?cat=6> It includes a list of invasive species. The DNR contact is Jon Ambrose, copied on this e-mail. I have attached the .pdf copy of the plan.
3. Georgia NRCS has a practice standard specifically for invasive herbaceous species. It is located on the electronic Field Office Technical Guide site (eFOTG): <http://efotg.sc.egov.usda.gov/treemenuFS.aspx> under Georgia and Section IV. It is Herbaceous Weed Control (315) and includes an invasive list and general methods of control.
4. Georgia NRCS does have a construction re-vegetation Critical Area Planting standard which I have attached as a .pdf to this document. It is maintained and updated on the eFOTG as well.

I would also like to address some other items. In our process to address NRCS concerns on federally funded projects we address Farmland Protection Policy Act (FPPA), PL566 Watershed Structures, and Easements. As we discussed on the phone, no federal funds are involved in this project so FPPA does not apply. Please advise us if federal funds do become involved in the future. We have discussed easements above.

As to watershed structures, I overlaid our PL566 structure locations with the pipeline route you sent to assess whether they would be impacted. On the current route it is well away from all our structures except three in Colquitt County. Those locations are shown on the attached map. As currently routed it should not impact the two upstream structures at all. We would ask for due diligence in construction stabilization to avoid siltation of the downstream structure. If the route changes, please be aware that these structures are there and could be impacted. Finally, although wetland issues are the jurisdiction of the U.S. Army Corps of Engineers, NRCS does produce and maintain relevant soils data. I have provided an overview of that for the area in Georgia under consideration and would note that significant areas of potential wetland are involved. Detailed information on many soil properties, including hydric ratings, can be found on the Web Soil Survey: <http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

NRCS appreciates this opportunity to comment. If you have questions or need further information, feel free to contact me.

Sincerely, Dan Wallace

DANIEL F. WALLACE  
USDA NRCS GEORGIA RESOURCE INVENTORY COORDINATOR

355 E. HANCOCK AVE.  
ATHENS, GA 30601

(706) 546-2244

[WWW.NRCS.USDA.GOV](http://WWW.NRCS.USDA.GOV)  
[WWW.GA.NRCS.USDA.GOV](http://WWW.GA.NRCS.USDA.GOV)  
[WWW.SOILS.USDA.GOV](http://WWW.SOILS.USDA.GOV)

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**From:** Moore, Stan - NRCS, Nashville, GA  
**Sent:** Wednesday, March 19, 2014 10:30 AM  
**To:** Wallace, Dan - NRCS, Athens, GA  
**Subject:** FW: Information Request - Sabal Trail Transmission

Stan Moore  
District Conservationist  
USDA Natural Resources Conservation Service  
516A County Farm Road Suite 2  
Nashville, GA 31639  
Office: 229-686-5557  
Cell: 912-218-1984

---

**From:** Libby, Nicole [<mailto:NLibby@trcsolutions.com>]  
**Sent:** Friday, March 14, 2014 2:01 PM  
**To:** Moore, Stan - NRCS, Nashville, GA  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission

Mr. Moore,

I am currently working on a natural gas pipeline transmission project proposed to extend through Lowndes County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the

Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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- 2) Does the NRCS have a list of nuisance/invasive species for Lowndes County, Georgia?
- 3) What recommendations does the NRCS have for the prevention and control of the spread of exotic and invasive plant species in wetland and other vegetative communities during and following construction?
- 4) Does the NRCS have a recommended seed mix or re-vegetation procedure following pipeline construction?

On behalf of Sabal Trail, TRC respectfully requests that the NRCS review its records relative to any of the above-referenced areas and provide written comments pertaining to the identified resources. I have enclosed a Project Overview Map, Project shapefiles, and a Project kmz file to assist with your review. If you have any questions or comments regarding the Project, I can be reached at the contact information below. Thank you for your attention to this request.

Sincerely,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102

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## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Friday, March 14, 2014 10:46 AM  
**To:** Frank.Yancey@ga.usda.gov  
**Cc:** Watson, Bonnie; Shelton, Darwin  
**Subject:** Information Request - Sabal Trail Transmission  
**Attachments:** STT Routes\_2014-03-13.zip; STT Overview 11x17P 2014-03-13.pdf

Mr. Yancey,

I am currently working on a natural gas pipeline transmission project proposed to extend through Stewart County, Georgia. Sabal Trail Transmission, LLC (Sabal Trail), a joint venture between affiliates of Spectra Energy Partners, LLC (Spectra) and NextEra Energy, Inc. (NextEra) are planning to construct a new pipeline extending from Tallapoosa County, Alabama to Osceola County, Florida (the "Project"). I am assembling a resource report that will be submitted to the Federal Energy Regulatory Commission. As a part of the National Environmental Policy Act (NEPA) review process, I've been tasked with contacting local NRCS offices and inquiring about conservation lands, prevention and control of exotic/invasive species, and recommended seed mixes/revegetation procedures. The specific questions I need to address are stated below.

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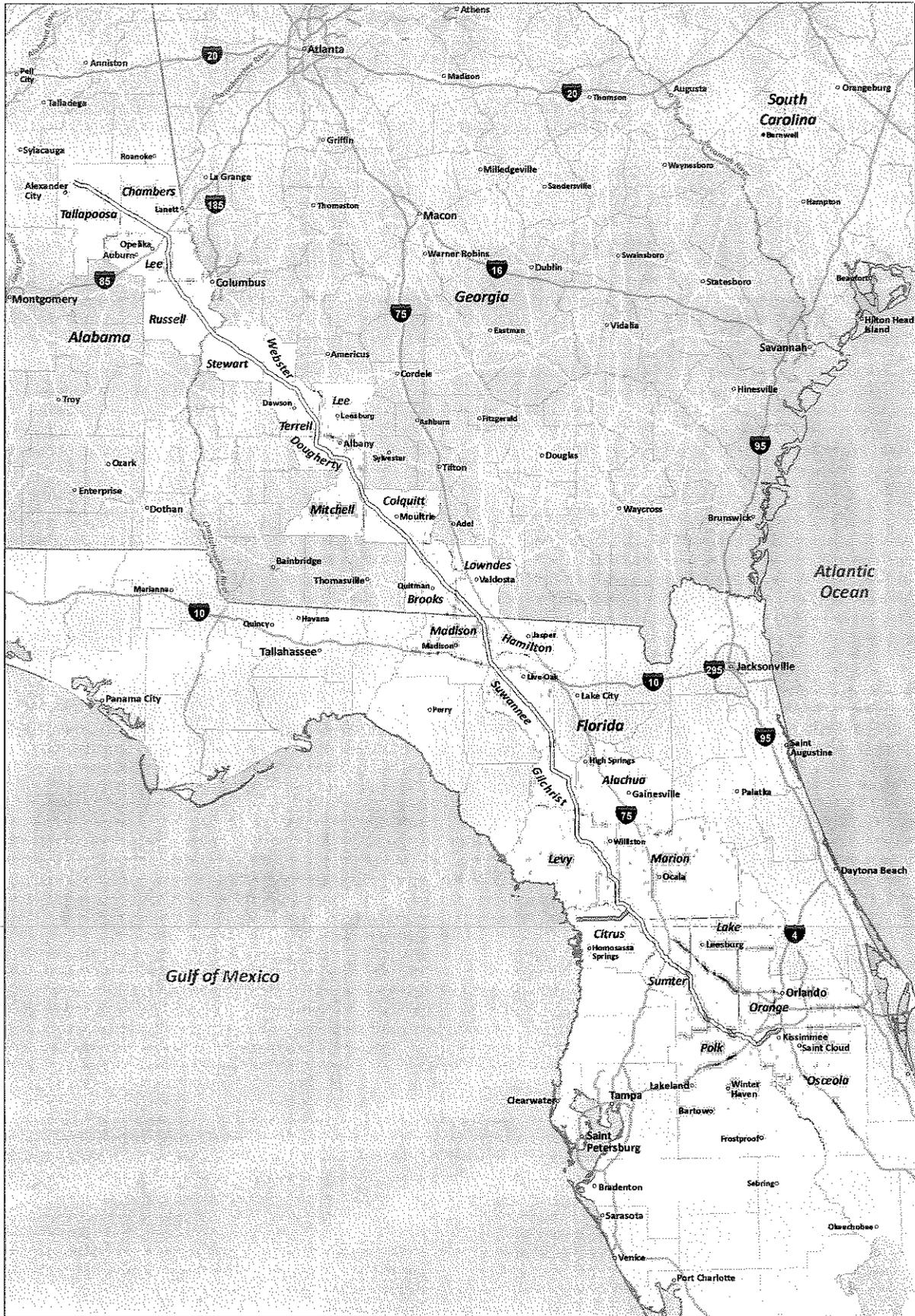
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Sincerely,

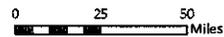
**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



-  Sabal Trail Mainline Route
-  Citrus County Line Route
-  Hunters Creek Line Route



Source: National Atlas



**FIGURE 1**  
**SABAL TRAIL PROJECT**  
**PROJECT OVERVIEW MAP**

DATE: MARCH 13, 2014

October 30, 2013

Heinz Muller  
USEPA  
61 Forsyth Street  
13th Floor  
Atlanta, GA 30303-8960

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Mr. Muller:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, (“Sabal Trail”) was formed as a joint venture between Spectra Energy Corp (“Spectra Energy”) and NextEra Energy, Inc. (“NextEra”) to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the “Project”) as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

The Federal Energy Regulatory Commission (“FERC”) regulates the interstate transmission of natural gas and plays a key role in the development of interstate natural gas pipeline projects. In order to initiate its early review of the Project pursuant to the National Environmental Policy Act and to facilitate early public interaction, FERC has established a pre-application process, called Pre-Filing. The Pre-Filing process allows all stakeholders - including FERC, Federal and State agencies and landowners, an opportunity to review project-related information and identify issues prior to submitting a formal application to FERC for a Certificate of Public Convenience and Necessity. Sabal Trail believes the Pre-Filing process is an effective process which allows for early participation and input as the proposed route for a project is being evaluated.

On October 15, 2013, FERC approved Sabal Trail’s request to utilize FERC’s Pre-Filing review process to enhance the early identification and resolution of environmental issues for the Project’s environmental review. FERC assigned Docket No. PF14-1-000 to the Project and you can follow this proceeding on FERC’s website, [www.ferc.gov](http://www.ferc.gov).

From October 1, 2013 through October 23, 2013, Sabal Trail held 18 informational meetings along the proposed pipeline corridor to provide affected landowners with information

about the Project. Next, Sabal Trail intends to file with the FERC, draft Resource Report 1 (Project Description) and Resource Report 10 (Route Alternatives) as required by the Pre-Filing process on November 15, 2013. The documents will be available for public review on FERC's website. Copies of these draft resource reports will also be placed in public libraries for stakeholder access and will be distributed to the federal and state agencies that will be involved with the Project. A full set of Draft Resource Reports (1-12) describing project impacts are planned to be filed with FERC and available to the public for review and comment during the Second Quarter of 2014. The formal FERC application, as well as other federal and state applications for the Project, are planned to be filed during the last quarter of 2014.

Additionally, to keep stakeholders informed as the Project progresses, Open Houses will be scheduled during this coming December for additional opportunities to participate and to informally meet with project personnel to receive additional project information and discuss any concerns you. Project information including the schedule for the Open Houses is also available at [www.SabalTrailTransmission.com](http://www.SabalTrailTransmission.com).

We encourage your participation and consultation throughout this process and will continue to keep you apprised of important developments. Please do not hesitate to contact our Project office at (888) 596-7732.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gus McLachlan', is positioned above the printed name.

Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

## **Watson, Bonnie**

---

**From:** Libby, Nicole  
**Sent:** Monday, May 05, 2014 11:57 AM  
**To:** Floyd, Brad  
**Cc:** Degutis, Erin; Stoltzfus, Michael; Brandt, Jeff; Studwell, Gregory; Watson, Bonnie; De La Flor, Laura  
**Subject:** Environmental Justice  
**Attachments:** USEPA\_EJ Analysis\_KAJUMBA\_05052014.docx

Attached is a summary of my phone call with USEPA. Overall, EPA is expecting the information requested in their scoping comments to be provided for their review. I was not aware when I spoke with her that we are submitting a response to scoping comments today, so I did not mention that document to her.

Let me know if you have any questions.

Thank you,

**Nicole Libby**  
Project Specialist

TRC Environmental Corporation  
650 Suffolk Street  
Lowell, MA 01854

Office/Cell: 508-944-2102



**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>	5/5/2014		
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	Ntale Kajumba	<b>Name:</b>	Nicole Libby
<b>Agency/Organization:</b>	USEPA	<b>Office Location:</b>	Lowell, MA
<b>Phone No.:</b>	(404) 562-9620	<b>Phone No.:</b>	(508) 944-2102
<b>Subject of Call:</b>	Sabal Trail Transmission – Agency Consultation Environmental Justice		
<b>Follow-up:</b>			
<b>Cc: (via email)</b>			

**Discussion:**

I called Ntale to discuss the USEPA EJ comments in their April 21, 2014 scoping comment letter. We went over the main points including the following:

- Ntale asked what our methodology for determining EJ populations was and I read the text to her from RR5, “*census tracts with a minority population that consists of more than 50 percent of the census tract population; and all census tracts with a minority population that is at least 10 percent higher than the general population of the surrounding state, are EJ populations.*” (same methodology for low income). Ntale stated that this was certainly a bare minimum for methodology, while nothing else is required, it sometimes helps to have something between the census block level and the state level (county or city).
- Ntale asked if FERC had a methodology requirement for identifying EJ communities and I said that they did not.
- I described the EJ table that will be included in RR5 and that we are working on a matching figure.
- Ntale stated that USEPA wants to be able to see what the public comments on EJ communities are and where and how these comments have been addressed.
- Ntale stated that she understands co-location is preferred environmentally, but that co-location can lead to the same impacts over and over, cumulatively to EJ populations. Those cumulative impacts should be addressed.
- In regard to impacts analysis, we discussed what is being considered. I told Ntale what types of impacts are usually assessed across all populations, such as air, noise, traffic, revenue,

business disruption, etc. She thought that the items I listed off touched on the types of impacts they were looking to see discussed for EJ populations.

- Regarding the children's health I said that this analysis is not in the FERC ER guidance and is not typically included. Ntale said this is required analysis for EPA and suggested looking at the regulation. Ntale stated that USEPA prefers that this information be included in the draft ER, and that if it is not it will make it difficult to provide adequate and timely comments to Sabal on the Project.
- For mapping, we discussed what was intended for multi-family units and for hospitals. Ntale said multi-family is anything with more than one residence, duplex, multi-plex, apartments, condominiums, etc. For hospitals, we should include any available facility information on healthcare facilities that the population would be getting services from. Mapping tools, census data, and information from public meetings could all be used.

## Floyd, Brad

---

**From:** Floyd, Brad  
**Sent:** Tuesday, April 29, 2014 4:26 PM  
**To:** 'somerville.eric@epa.gov'  
**Cc:** 'Walls, Beth'; Lancaster, Jason  
**Subject:** Sabal Trail Project Wetland Delineations in Georgia  
**Attachments:** STT Georgia.kmz

Eric,

As a followup to our previous conversations, it is my understanding that you would like to review some of the wetland boundaries that our field teams delineated along the proposed Sabal Trail pipeline route in Georgia. As an introduction to the wetland boundary delineations that have been completed to date, I am attaching a .kmz file of the pipeline route with the delineated wetlands. This pipeline route is what will be filed with the draft resource reports on June 2, 2014. Please note that the pipeline route is still being reviewed and refined based on comments received during the FERC scoping period. In addition, there are portions of the route in Georgia for which survey permission was not available at the time this file was created. Sabal Trail is in the process of obtaining the necessary survey permission to complete the environmental field surveys for these portions of the route. On the .kmz file, you will see the yellow centerline of the pipeline and the orange lines represent the 300 foot wide survey corridor. If you note wetlands that appear outside of the orange survey corridor, this means that a reroute has occurred following the initial delineation, and that portion of the route has or will be resurveyed.

If you would like to go out in the field to review the wetland delineations, I would be happy to arrange a time that our field crews could meet you at a location of your choosing along the proposed pipeline route. If you could give us approximately 7 days notice of when and where you would like to visit, we can make the necessary arrangement. We will also keep you informed of the schedule to complete the delineations of the pipeline route where survey permission was previously not available. As these locations become available for survey, you certainly would be welcome to observe our field teams as they conduct the delineations.

Please let me know how you would like to proceed and I will make the necessary arrangements. Please contact me at 321-249-8638 or 404-790-5188 at your convenience.

Thank you,  
Brad Floyd



4155 Shackleford Road  
Suite 225  
Norcross, GA 30093

770.270.1192 PHONE  
770.270.1392 FAX

[www.TRCSolutions.com](http://www.TRCSolutions.com)

September 16, 2013

*Via U.S. Mail and Email*

Strant Colwell  
Supervisory Biologist  
United States Fish and Wildlife Service  
4890 Wildlife Drive NE  
Townsend, GA 31331  
[Strant\\_colwell@fws.gov](mailto:Strant_colwell@fws.gov)

Sabal Trail Transmission, LLC  
Rare, Threatened, and Endangered Species Initial Coordination  
Brooks and Lowndes Counties, Georgia

Dear Mr. Colwell:

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture of Spectra Energy Corporation and NextEra Energy Corporation., is reviewing a potential interstate pipeline project that will pass through portions of Alabama, Georgia, and Florida called the Sabal Trail Pipeline Project (Project). Sabal Trail anticipates initial field surveys for ecological resources, including habitat assessments for rare, threatened, and endangered species to begin in fall 2013.

A Project Frequently Asked Questions fact sheet that provides a brief description of the project and current status is provided as Enclosure 1. The preliminary mainline route and a shorter pipeline at the terminus of the Project are illustrated on the Project Location Map – Figure 1 (Enclosure 2). To assist in your review of the routes, we have enclosed ESRI shapefiles of the preliminary route (Enclosure 3).

**At this Time, Sabal Trail respectfully requests your review to determine if the Project areas are located near rare, threatened, or endangered species, critical habitats, or natural areas. Please use at least a one (1) mile review radius.**

Based on the current schedule, Sabal Trail anticipates field surveys to commence in fall 2013 and continue until summer 2014. Field surveys will include wetland and waterbody delineations, protected species habitat assessments, archeological, and civil surveys. In anticipation of these surveys, Sabal Trail would like to confirm the field protocols proposed for use by the field teams for determining if potential habitat is present for protected species and identify what information is necessary to confirm that a particular species is or could be present within the Study Area.

**Sabal Trail would like to schedule a meeting with you within the next month to discuss concerns or recommendations the United States Fish and Wildlife Service may have regarding the proposed project.** To discuss meeting arrangements, please contact the Project environmental consultant, TRC Environmental Corporation (TRC), c/o Mr. Jason Sean Lancaster at (770) 270-1192 ext. 119 or via email at [jlancaster@trcsolutions.com](mailto:jlancaster@trcsolutions.com).

Thank you for your time and consideration. We look forward to working with you on this project.

Sincerely,



Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
TRC

- Enclosures:
- 1) Sabal Trail: Frequently Asked Questions
  - 2) Project Location Map – Figure 1
  - 3) ESRI Shapefiles (CD)



## Sabal Trail: Frequently Asked Questions

### 1. Who is Sabal Trail Transmission, LLC?

Sabal Trail Transmission, LLC (“Sabal Trail”) is a joint venture of Spectra Energy Corp. and NextEra Energy, Inc. For more information, please visit [www.sabaltrailtransmission.com](http://www.sabaltrailtransmission.com) or [www.spectraenergy.com](http://www.spectraenergy.com).

### 2. What is the Sabal Trail interstate pipeline system?

Sabal Trail’s interstate pipeline system is a project that has been awarded by Florida Power & Light Company (“FPL”) to provide dedicated natural gas transportation services for their power generation needs starting in May 2017. This project would also enhance the availability and reliability of natural gas supplies in the Southeast region.

### 3. Where will the Sabal Trail interstate pipeline be located, and what would be its approximate length?

Sabal Trail is currently evaluating several options for the pipeline path. Generally, the natural gas pipeline study corridors under review originate in Alabama, extend to Georgia and end in Central Florida.

### 4. What is the “study corridor” for the Sabal Trail interstate pipeline project?

Generally, study corridors are established along the proposed routing options to determine the best possible locations for the pipeline facilities and potential workspace areas. The study corridors are typically 600 feet wide. However, once our field evaluations are complete, the pipeline corridor will be reduced to a much narrower width that would be necessary to construct the pipeline. Typically, this is approximately 100 feet.

### 5. What would be the Sabal Trail interstate pipeline’s capacity?

The Sabal Trail pipeline will be capable of transporting up to 1 billion cubic feet of natural gas per day – enough to meet the needs of over 4 million American homes annually.

### 6. What would be the estimated cost for the Sabal Trail interstate pipeline project?

The preliminary estimates are in the range of several billion dollars; however, this could change, depending on final project scope.

### 7. When would the Sabal Trail interstate pipeline be in service?

FPL has requested that the project begin to deliver natural gas by a May 2017 in-service date.

### 8. What stage is the Sabal Trail interstate pipeline project in now, and what are the next steps?

The Sabal Trail project is in the early development stage, as FPL formally awarded the project to Sabal Trail on

Friday, July 26, 2013. Sabal Trail will continue to work with communities along the proposed route options to position the project to meet the schedule requirements. These activities include engaging federal, state and local officials to inform them of Sabal Trail’s initial planned work in the study corridor areas. Landowners who may be involved will receive introductory letters and information about initial survey plans in their area. The survey study corridors will be approximately 600 feet wide, which would allow future pipeline route refinements, as necessary, to incorporate landowner, environmental and construction-related concerns. Currently, Sabal Trail anticipates survey work to commence in late summer 2013. Once our field evaluations are complete, the pipeline corridor will be reduced to a much narrower width that would be necessary to construct the pipeline. Typically, this is approximately 100 feet.

### 9. Who authorizes the construction of the Sabal Trail interstate pipeline and what kind of regulatory oversight will the project development have?

Sabal Trail has already begun the process of obtaining necessary regulatory authorization from the Federal Energy Regulatory Commission (FERC), the federal agency with jurisdiction over U.S. interstate natural gas pipeline projects. The FERC process and the permitting processes of other federal and state agencies will allow interested stakeholders multiple opportunities to comment on the proposed pipeline project.

The FERC exclusively authorizes the construction of new interstate natural gas facilities. FERC is also the lead federal agency responsible for conducting environmental reviews of interstate natural gas projects, in compliance with the National Environmental Policy Act. In addition to its FERC certificate application, Sabal Trail will seek review from numerous other federal agencies, including the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, and appropriate agencies of Florida, Georgia and Alabama.

### 10. How will the Sabal Trail interstate pipeline benefit the southeastern states, including Alabama, Georgia and Florida?

The Sabal Trail interstate pipeline will increase energy diversity, security and reliability to southeastern markets.

In addition, the Sabal Trail interstate pipeline project will create significant jobs during planning, construction and development, as well as add capital investment and tax base to all three states.

### 11. What are safety measures for this project?

Sabal Trail is dedicated to the safe, reliable operation of facilities and the protection of employees, the public and the environment.

Natural gas pipelines monitor and control safety in many ways and use many different tools. Collectively, these tools make natural gas transmission pipelines one of the safest forms of energy transportation. Our safety

programs are designed to prevent pipeline failures, detect anomalies, perform repairs and often exceed regulatory requirements.

The U.S. Department of Transportation's (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) oversees the safety of interstate natural gas pipelines and mandates minimum requirements, from the design and construction to testing, operations, maintenance and emergency response. The new pipeline will operate in strict accordance with all federal and state safety requirements.

Sabal Trail will work closely with local public safety officials to provide them with a thorough awareness of our pipelines and pipeline safety.

Once the facilities are placed in service, we will implement operations procedures designed to monitor the pipeline 24 hours a day, 7 days a week, and we maintain the facilities per applicable federal and state regulations.

## **12. Where will the above-ground facilities be located?**

Though minimal in number, above ground facilities are an important part of a mostly underground pipeline transmission system. Compressor stations will be strategically located along the route to push gas through the pipeline.

Initially, one compressor station will be constructed in Tallapoosa County, Ala., at the start of the pipeline and another in Osceola County, Fla., at the terminus of the line. An additional five stations will be added after the original in-service date. Additionally, valves, regulators, measurement equipment, communication towers and other components that enhance pipeline safety and performance may be seen along the route. These above-ground facilities are strategically placed and will be discussed with you should your property be affected.

## **13. What kind of input will affected stakeholders have in anticipation of the Sabal Trail interstate pipeline project?**

Sabal Trail will continue to communicate with public officials, permitting agencies and area stakeholders during the initial development process and will maintain open lines of communication throughout the project's development. Landowners and other stakeholders will have multiple opportunities to provide input on the project during the permitting process.

Sabal Trail has also sent letters to property owners whose properties may be initially involved to inform them of the project and our need to perform surveys to collect information about their properties.

Later this year, Sabal Trail will host local public meetings for area residents to learn more about the project and ask questions, and we will provide advance notification to make stakeholders aware of these important events.

## **14. What kind of interactions will Sabal Trail have with affected stakeholders when addressing the pipeline alignments and the project's overall economic and environmental impact?**

The project's experienced development team is committed to a comprehensive consultation and ongoing communications process with stakeholders to develop a viable pipeline route that mitigates impacts to landowners and the environment and meets or exceeds customer needs, constructability requirements and safety regulations. This process involves evaluating various routes and study corridors. Whenever possible, Sabal Trail tries to locate the study corridors adjacent to existing utility corridors – either electric transmission lines or underground pipelines.

We will seek opportunities to discuss the project directly with each landowner in small, face-to-face discussions. The survey activities (engineering, environmental and cultural resources) will help Sabal Trail obtain the necessary field data to further assess the pipeline alignments and address individual landowner concerns. These activities will be performed in a minimal amount of time and should not inconvenience any landowner.

## **15. What is the estimated environmental and overall economic impact of the Sabal Trail interstate pipeline project?**

Sabal Trail is committed to protecting the environment. Wherever possible, the new pipeline will follow existing rights-of-way to substantially limit environmental impacts and effects to landowners. These development efforts are closely monitored by federal and state environmental agencies, requiring a number of permits, and we closely adhere to all applicable environmental standards to ensure we minimize our footprint.

Environmental aspects of the construction project are regulated by FERC, which will review all plans and conduct its own environmental study of the project.

## **16. What sort of local or regional benefits can we expect to see from a project of this size?**

The Sabal Trail interstate pipeline project will create a significant amount of jobs during construction and add capital investment and tax base to Alabama, Georgia and Florida.

The proposed project will provide consumers and businesses with critical access to an affordable, new natural gas supply source that will:

- Invigorate economies, spur growth and ensure regional economic competitiveness;
- Enhance supply diversity, reliability and security; and
- Ensure clean-burning, affordable natural gas will continue to be available.



- Preliminary Sabal Trail Mainline Route
- Preliminary Hunters Creek Line Route
- Preliminary Compressor Station Locations (phased in as necessary)



Source: National Atlas



**PROJECT LOCATION MAP**  
**GREENFIELD CONSTRUCTION**

FIGURE 1	REVISION: 7	REV. DATE: 9/5/13
SHEET 1 OF 1	SEPT. 2013	Prepared by:

October 29, 2013

Mr. Grant Colwell  
Supervisory Biologist  
United States Fish and Wildlife Service  
4890 Wildlife Drive NE  
Townsend, GA 31331

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Mr. Colwell:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, (“Sabal Trail”) was formed as a joint venture between Spectra Energy Corp (“Spectra Energy”) and NextEra Energy, Inc. (“NextEra”) to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the “Project”) as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

The Federal Energy Regulatory Commission (“FERC”) regulates the interstate transmission of natural gas and plays a key role in the development of interstate natural gas pipeline projects. In order to initiate its early review of the Project pursuant to the National Environmental Policy Act and to facilitate early public interaction, FERC has established a pre-application process, called Pre-Filing. The Pre-Filing process allows all stakeholders - including FERC, Federal and State agencies and landowners, an opportunity to review project-related information and identify issues prior to submitting a formal application to FERC for a Certificate of Public Convenience and Necessity. Sabal Trail believes the Pre-Filing process is an effective process which allows for early participation and input as the proposed route for a project is being evaluated.

On October 15, 2013, FERC approved Sabal Trail’s request to utilize FERC’s Pre-Filing review process to enhance the early identification and resolution of environmental issues for the Project’s environmental review. FERC assigned Docket No. PF14-1-000 to the Project and you can follow this proceeding on FERC’s website, [www.ferc.gov](http://www.ferc.gov).

From October 1, 2013 through October 23, 2013, Sabal Trail held 18 informational meetings along the proposed pipeline corridor to provide affected landowners with information about the Project. Next, Sabal Trail intends to file with the FERC, draft Resource Report 1

(Project Description) and Resource Report 10 (Route Alternatives) as required by the Pre-Filing process on November 15, 2013. The documents will be available for public review on FERC's website. Copies of these draft resource reports will also be placed in public libraries for stakeholder access and will be distributed to the federal and state agencies that will be involved with the Project. A full set of Draft Resource Reports (1-12) describing project impacts are planned to be filed with FERC and available to the public for review and comment during the Second Quarter of 2014. The formal FERC application, as well as other federal and state applications for the Project, are planned to be filed during the last quarter of 2014.

Additionally, to keep stakeholders informed as the Project progresses, Open Houses will be scheduled during this coming December for additional opportunities to participate and to informally meet with project personnel to receive additional project information and discuss any concerns you. Project information including the schedule for the Open Houses is also available at [www.SabalTrailTransmission.com](http://www.SabalTrailTransmission.com).

We encourage your participation and consultation throughout this process and will continue to keep you apprised of important developments. Please do not hesitate to contact our Project office at (888) 596-7732.

Sincerely,

A handwritten signature in black ink, appearing to read "Gus McLachlan", written in a cursive style.

Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC



4155 Shackleford Road  
Suite 225  
Norcross, GA 30093

770.270.1192 PHONE  
770.270.1392 FAX

[www.TRCSolutions.com](http://www.TRCSolutions.com)

September 16, 2013

*Via U.S. Mail and Email*

Mike Oetker  
Assistant Regional Director  
United States Fish and Wildlife Service  
1875 Century Blvd NE  
Suite 200  
Atlanta, GA 30345  
[Mike.oetker@fws.gov](mailto:Mike.oetker@fws.gov)

Sabal Trail Transmission, LLC  
Rare, Threatened, and Endangered Species Initial Coordination  
Stewart, Webster, Terrell, Lee, Dougherty, Mitchell, Colquitt, Brooks and Lowndes Counties,  
Georgia

Dear Mr. Oetker:

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture of Spectra Energy Corporation and NextEra Energy Corporation., is reviewing a potential interstate pipeline project that will pass through portions of Alabama, Georgia, and Florida called the Sabal Trail Pipeline Project (Project). Sabal Trail anticipates initial field surveys for ecological resources, including habitat assessments for rare, threatened, and endangered species to begin in fall 2013.

A Project Frequently Asked Questions fact sheet that provides a brief description of the project and current status is provided as Enclosure 1. The preliminary mainline route and a shorter pipeline at the terminus of the Project are illustrated on the Project Location Map – Figure 1 (Enclosure 2). To assist in your review of the routes, we have enclosed ESRI shapefiles of the preliminary route (Enclosure 3).

**At this Time, Sabal Trail respectfully requests your review to determine if the Project areas are located near rare, threatened, or endangered species, critical habitats, or natural areas. Please use at least a one (1) mile review radius.**

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Thank you for your time and consideration. We look forward to working with you on this project.

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Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
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- Enclosures:
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  - 2) Project Location Map – Figure 1
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## Sabal Trail: Frequently Asked Questions

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Generally, study corridors are established along the proposed routing options to determine the best possible locations for the pipeline facilities and potential workspace areas. The study corridors are typically 600 feet wide. However, once our field evaluations are complete, the pipeline corridor will be reduced to a much narrower width that would be necessary to construct the pipeline. Typically, this is approximately 100 feet.

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Friday, July 26, 2013. Sabal Trail will continue to work with communities along the proposed route options to position the project to meet the schedule requirements. These activities include engaging federal, state and local officials to inform them of Sabal Trail’s initial planned work in the study corridor areas. Landowners who may be involved will receive introductory letters and information about initial survey plans in their area. The survey study corridors will be approximately 600 feet wide, which would allow future pipeline route refinements, as necessary, to incorporate landowner, environmental and construction-related concerns. Currently, Sabal Trail anticipates survey work to commence in late summer 2013. Once our field evaluations are complete, the pipeline corridor will be reduced to a much narrower width that would be necessary to construct the pipeline. Typically, this is approximately 100 feet.

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Sabal Trail has already begun the process of obtaining necessary regulatory authorization from the Federal Energy Regulatory Commission (FERC), the federal agency with jurisdiction over U.S. interstate natural gas pipeline projects. The FERC process and the permitting processes of other federal and state agencies will allow interested stakeholders multiple opportunities to comment on the proposed pipeline project.

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We will seek opportunities to discuss the project directly with each landowner in small, face-to-face discussions. The survey activities (engineering, environmental and cultural resources) will help Sabal Trail obtain the necessary field data to further assess the pipeline alignments and address individual landowner concerns. These activities will be performed in a minimal amount of time and should not inconvenience any landowner.

## **15. What is the estimated environmental and overall economic impact of the Sabal Trail interstate pipeline project?**

Sabal Trail is committed to protecting the environment. Wherever possible, the new pipeline will follow existing rights-of-way to substantially limit environmental impacts and effects to landowners. These development efforts are closely monitored by federal and state environmental agencies, requiring a number of permits, and we closely adhere to all applicable environmental standards to ensure we minimize our footprint.

Environmental aspects of the construction project are regulated by FERC, which will review all plans and conduct its own environmental study of the project.

## **16. What sort of local or regional benefits can we expect to see from a project of this size?**

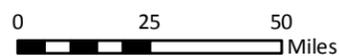
The Sabal Trail interstate pipeline project will create a significant amount of jobs during construction and add capital investment and tax base to Alabama, Georgia and Florida.

The proposed project will provide consumers and businesses with critical access to an affordable, new natural gas supply source that will:

- Invigorate economies, spur growth and ensure regional economic competitiveness;
- Enhance supply diversity, reliability and security; and
- Ensure clean-burning, affordable natural gas will continue to be available.



- Preliminary Sabal Trail Mainline Route
- Preliminary Hunters Creek Line Route
- Preliminary Compressor Station Locations (phased in as necessary)



Source: National Atlas



**PROJECT LOCATION MAP**  
**GREENFIELD CONSTRUCTION**

FIGURE 1	REVISION: 7	REV. DATE: 9/5/13
SHEET 1 OF 1	SEPT. 2013	Prepared by:

## Shelton, Darwin

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**From:** Michael Oetker <michael\_oetker@fws.gov>  
**Sent:** Wednesday, September 18, 2013 8:11 AM  
**To:** Shelton, Darwin  
**Cc:** Leopoldo Miranda; Jack Arnold  
**Subject:** Re: Sabal Trail Transmission interstate pipeline project

Thank you Donnie. Your information packet will be forwarded to the Ecological Service Division when it arrives. Leo and Jack (cc'd here) manage that program and will likely assign someone to work with you.

Mike

Mike Oetker  
Deputy Regional Director, Region 4  
U.S. Fish and Wildlife Service

On Sep 17, 2013, at 2:43 PM, "Shelton, Darwin" <[DShelton@trcsolutions.com](mailto:DShelton@trcsolutions.com)> wrote:

Mr. Oetker,

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture of Spectra Energy Corporation and NextEra Energy Corporation., is proposing an interstate pipeline project that will pass through portions of Alabama, Georgia, and Florida called the Sabal Trail Pipeline Project (Project). Sabal Trail anticipates initial field surveys for ecological resources, including habitat assessments for rare, threatened, and endangered species to begin in fall 2013.

Please be advised that on 9/17/2013 an Information Packet on this Project was sent via FedEx to your attention at the following address, 1875 Century Blvd NE. Suite 200 Atlanta, GA 30345. The packet contains a general project location map, shape files of the proposed route and associated facilities, and a .kmz file of the proposed route. Please use the information provided in the packet to review the Project area for rare, threatened, or endangered species, and critical habitats or other sensitive natural areas within a one mile radius of the Project area. Once you have had sufficient time for review, we would like to schedule a meeting with you within the next month to discuss concerns or recommendations that your agency might have regarding the proposed Project.

Mr. Jason Sean Lancaster of TRC Environmental, the Project environmental consultant, will be contacting you in the near future to set up a convenient time to meet with representatives of Sabal Trail and TRC. Should you have any questions or comments in the meantime, please contact Mr. Jason Sean Lancaster at 770-270-1192, Ext. 119 or via e-mail at [Jlancaster@trcsolutions.com](mailto:Jlancaster@trcsolutions.com)

Donnie Shelton

Environmental Scientist

<image001.jpg>

4155 Shackleford Road, Suite 225 Norcross, GA 30093  
T: 770.270.1192 | F: 770.270.1392 | C: 770.826.8205

October 29, 2013

Mr. Mike Oetker  
Assistant Regional Director  
United States Fish and Wildlife Service  
1875 Century Blvd, NE  
Suite 400  
Atlanta, GA 30345

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Mr. Oetker:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, ("Sabal Trail") was formed as a joint venture between Spectra Energy Corp ("Spectra Energy") and NextEra Energy, Inc. ("NextEra") to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the "Project") as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

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On October 15, 2013, FERC approved Sabal Trail's request to utilize FERC's Pre-Filing review process to enhance the early identification and resolution of environmental issues for the Project's environmental review. FERC assigned Docket No. PF14-1-000 to the Project and you can follow this proceeding on FERC's website, [www.ferc.gov](http://www.ferc.gov).

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about the Project. Next, Sabal Trail intends to file with the FERC, draft Resource Report 1 (Project Description) and Resource Report 10 (Route Alternatives) as required by the Pre-Filing process on November 15, 2013. The documents will be available for public review on FERC's website. Copies of these draft resource reports will also be placed in public libraries for stakeholder access and will be distributed to the federal and state agencies that will be involved with the Project. A full set of Draft Resource Reports (1-12) describing project impacts are planned to be filed with FERC and available to the public for review and comment during the Second Quarter of 2014. The formal FERC application, as well as other federal and state applications for the Project, are planned to be filed during the last quarter of 2014.

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We encourage your participation and consultation throughout this process and will continue to keep you apprised of important developments. Please do not hesitate to contact our Project office at (888) 596-7732.

Sincerely,



Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC



4155 Shackleford Road  
Suite 225  
Norcross, GA 30093

770.270.1192 PHONE  
770.270.1392 FAX

www.TRCSolutions.com

September 16, 2013

*Via U.S. Mail and Email*

John Doresky  
Supervisory Biologist  
United States Fish and Wildlife Service  
Highway 27 at First Division Road  
Building 5889  
Fort Benning, GA 31905  
John\_doresky@fws.gov

Sabal Trail Transmission, LLC  
Rare, Threatened, and Endangered Species Initial Coordination  
Stewart, Webster, Terrell, Lee, Dougherty, Mitchell and Colquitt Counties, Georgia

Dear Mr. Doresky:

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture of Spectra Energy Corporation and NextEra Energy Corporation., is reviewing a potential interstate pipeline project that will pass through portions of Alabama, Georgia, and Florida called the Sabal Trail Pipeline Project (Project). Sabal Trail anticipates initial field surveys for ecological resources, including habitat assessments for rare, threatened, and endangered species to begin in fall 2013.

A Project Frequently Asked Questions fact sheet that provides a brief description of the project and current status is provided as Enclosure 1. The preliminary mainline route and a shorter pipeline at the terminus of the Project are illustrated on the Project Location Map – Figure 1 (Enclosure 2). To assist in your review of the routes, we have enclosed ESRI shapefiles of the preliminary route (Enclosure 3).

**At this Time, Sabal Trail respectfully requests your review to determine if the Project areas are located near rare, threatened, or endangered species, critical habitats, or natural areas. Please use at least a one (1) mile review radius.**

Based on the current schedule, Sabal Trail anticipates field surveys to commence in fall 2013 and continue until summer 2014. Field surveys will include wetland and waterbody delineations, protected species habitat assessments, archeological, and civil surveys. In anticipation of these surveys, Sabal Trail would like to confirm the field protocols proposed for use by the field teams for determining if potential habitat is present for protected species and identify what information is necessary to confirm that a particular species is or could be present within the Study Area.

**Sabal Trail would like to schedule a meeting with you within the next month to discuss concerns or recommendations the United States Fish and Wildlife Service may have regarding the proposed project.** To discuss meeting arrangements, please contact the Project environmental consultant, TRC Environmental Corporation (TRC), c/o Mr. Jason Sean Lancaster at (770) 270-1192 ext. 119 or via email at [jlancaster@trcsolutions.com](mailto:jlancaster@trcsolutions.com).

Thank you for your time and consideration. We look forward to working with you on this project.

Sincerely,



Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
TRC

- Enclosures:
- 1) Sabal Trail: Frequently Asked Questions
  - 2) Project Location Map – Figure 1
  - 3) ESRI Shapefiles (CD)



## Sabal Trail: Frequently Asked Questions

### 1. Who is Sabal Trail Transmission, LLC?

Sabal Trail Transmission, LLC (“Sabal Trail”) is a joint venture of Spectra Energy Corp. and NextEra Energy, Inc. For more information, please visit [www.sabaltrailtransmission.com](http://www.sabaltrailtransmission.com) or [www.spectraenergy.com](http://www.spectraenergy.com).

### 2. What is the Sabal Trail interstate pipeline system?

Sabal Trail’s interstate pipeline system is a project that has been awarded by Florida Power & Light Company (“FPL”) to provide dedicated natural gas transportation services for their power generation needs starting in May 2017. This project would also enhance the availability and reliability of natural gas supplies in the Southeast region.

### 3. Where will the Sabal Trail interstate pipeline be located, and what would be its approximate length?

Sabal Trail is currently evaluating several options for the pipeline path. Generally, the natural gas pipeline study corridors under review originate in Alabama, extend to Georgia and end in Central Florida.

### 4. What is the “study corridor” for the Sabal Trail interstate pipeline project?

Generally, study corridors are established along the proposed routing options to determine the best possible locations for the pipeline facilities and potential workspace areas. The study corridors are typically 600 feet wide. However, once our field evaluations are complete, the pipeline corridor will be reduced to a much narrower width that would be necessary to construct the pipeline. Typically, this is approximately 100 feet.

### 5. What would be the Sabal Trail interstate pipeline’s capacity?

The Sabal Trail pipeline will be capable of transporting up to 1 billion cubic feet of natural gas per day – enough to meet the needs of over 4 million American homes annually.

### 6. What would be the estimated cost for the Sabal Trail interstate pipeline project?

The preliminary estimates are in the range of several billion dollars; however, this could change, depending on final project scope.

### 7. When would the Sabal Trail interstate pipeline be in service?

FPL has requested that the project begin to deliver natural gas by a May 2017 in-service date.

### 8. What stage is the Sabal Trail interstate pipeline project in now, and what are the next steps?

The Sabal Trail project is in the early development stage, as FPL formally awarded the project to Sabal Trail on

Friday, July 26, 2013. Sabal Trail will continue to work with communities along the proposed route options to position the project to meet the schedule requirements. These activities include engaging federal, state and local officials to inform them of Sabal Trail’s initial planned work in the study corridor areas. Landowners who may be involved will receive introductory letters and information about initial survey plans in their area. The survey study corridors will be approximately 600 feet wide, which would allow future pipeline route refinements, as necessary, to incorporate landowner, environmental and construction-related concerns. Currently, Sabal Trail anticipates survey work to commence in late summer 2013. Once our field evaluations are complete, the pipeline corridor will be reduced to a much narrower width that would be necessary to construct the pipeline. Typically, this is approximately 100 feet.

### 9. Who authorizes the construction of the Sabal Trail interstate pipeline and what kind of regulatory oversight will the project development have?

Sabal Trail has already begun the process of obtaining necessary regulatory authorization from the Federal Energy Regulatory Commission (FERC), the federal agency with jurisdiction over U.S. interstate natural gas pipeline projects. The FERC process and the permitting processes of other federal and state agencies will allow interested stakeholders multiple opportunities to comment on the proposed pipeline project.

The FERC exclusively authorizes the construction of new interstate natural gas facilities. FERC is also the lead federal agency responsible for conducting environmental reviews of interstate natural gas projects, in compliance with the National Environmental Policy Act. In addition to its FERC certificate application, Sabal Trail will seek review from numerous other federal agencies, including the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, and appropriate agencies of Florida, Georgia and Alabama.

### 10. How will the Sabal Trail interstate pipeline benefit the southeastern states, including Alabama, Georgia and Florida?

The Sabal Trail interstate pipeline will increase energy diversity, security and reliability to southeastern markets.

In addition, the Sabal Trail interstate pipeline project will create significant jobs during planning, construction and development, as well as add capital investment and tax base to all three states.

### 11. What are safety measures for this project?

Sabal Trail is dedicated to the safe, reliable operation of facilities and the protection of employees, the public and the environment.

Natural gas pipelines monitor and control safety in many ways and use many different tools. Collectively, these tools make natural gas transmission pipelines one of the safest forms of energy transportation. Our safety

programs are designed to prevent pipeline failures, detect anomalies, perform repairs and often exceed regulatory requirements.

The U.S. Department of Transportation's (DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA) oversees the safety of interstate natural gas pipelines and mandates minimum requirements, from the design and construction to testing, operations, maintenance and emergency response. The new pipeline will operate in strict accordance with all federal and state safety requirements.

Sabal Trail will work closely with local public safety officials to provide them with a thorough awareness of our pipelines and pipeline safety.

Once the facilities are placed in service, we will implement operations procedures designed to monitor the pipeline 24 hours a day, 7 days a week, and we maintain the facilities per applicable federal and state regulations.

## **12. Where will the above-ground facilities be located?**

Though minimal in number, above ground facilities are an important part of a mostly underground pipeline transmission system. Compressor stations will be strategically located along the route to push gas through the pipeline.

Initially, one compressor station will be constructed in Tallapoosa County, Ala., at the start of the pipeline and another in Osceola County, Fla., at the terminus of the line. An additional five stations will be added after the original in-service date. Additionally, valves, regulators, measurement equipment, communication towers and other components that enhance pipeline safety and performance may be seen along the route. These above-ground facilities are strategically placed and will be discussed with you should your property be affected.

## **13. What kind of input will affected stakeholders have in anticipation of the Sabal Trail interstate pipeline project?**

Sabal Trail will continue to communicate with public officials, permitting agencies and area stakeholders during the initial development process and will maintain open lines of communication throughout the project's development. Landowners and other stakeholders will have multiple opportunities to provide input on the project during the permitting process.

Sabal Trail has also sent letters to property owners whose properties may be initially involved to inform them of the project and our need to perform surveys to collect information about their properties.

Later this year, Sabal Trail will host local public meetings for area residents to learn more about the project and ask questions, and we will provide advance notification to make stakeholders aware of these important events.

## **14. What kind of interactions will Sabal Trail have with affected stakeholders when addressing the pipeline alignments and the project's overall economic and environmental impact?**

The project's experienced development team is committed to a comprehensive consultation and ongoing communications process with stakeholders to develop a viable pipeline route that mitigates impacts to landowners and the environment and meets or exceeds customer needs, constructability requirements and safety regulations. This process involves evaluating various routes and study corridors. Whenever possible, Sabal Trail tries to locate the study corridors adjacent to existing utility corridors – either electric transmission lines or underground pipelines.

We will seek opportunities to discuss the project directly with each landowner in small, face-to-face discussions. The survey activities (engineering, environmental and cultural resources) will help Sabal Trail obtain the necessary field data to further assess the pipeline alignments and address individual landowner concerns. These activities will be performed in a minimal amount of time and should not inconvenience any landowner.

## **15. What is the estimated environmental and overall economic impact of the Sabal Trail interstate pipeline project?**

Sabal Trail is committed to protecting the environment. Wherever possible, the new pipeline will follow existing rights-of-way to substantially limit environmental impacts and effects to landowners. These development efforts are closely monitored by federal and state environmental agencies, requiring a number of permits, and we closely adhere to all applicable environmental standards to ensure we minimize our footprint.

Environmental aspects of the construction project are regulated by FERC, which will review all plans and conduct its own environmental study of the project.

## **16. What sort of local or regional benefits can we expect to see from a project of this size?**

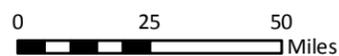
The Sabal Trail interstate pipeline project will create a significant amount of jobs during construction and add capital investment and tax base to Alabama, Georgia and Florida.

The proposed project will provide consumers and businesses with critical access to an affordable, new natural gas supply source that will:

- Invigorate economies, spur growth and ensure regional economic competitiveness;
- Enhance supply diversity, reliability and security; and
- Ensure clean-burning, affordable natural gas will continue to be available.



- Preliminary Sabal Trail Mainline Route
- Preliminary Hunters Creek Line Route
- Preliminary Compressor Station Locations (phased in as necessary)



Source: National Atlas



**PROJECT LOCATION MAP**  
**GREENFIELD CONSTRUCTION**

FIGURE 1	REVISION: 7	REV. DATE: 9/5/13
SHEET 1 OF 1	SEPT. 2013	Prepared by:

## Shelton, Darwin

---

**From:** Abbott, Sandy <sandy\_abbott@fws.gov>  
**Sent:** Wednesday, September 18, 2013 2:02 PM  
**To:** Shelton, Darwin  
**Subject:** Fwd: Sabal Trail Transmission interstate pipeline project

Mr. Shelton,

I have just received the FedEx with the information on the Sabal Trail Transmission project. I will be sending out a letter, but have a question that will determine the complexity of this project for me and therefore you. Do you intend to directional bore under all stream and river crossings? The Flint River basin and many of its tributaries have federally listed freshwater mussels and also are designated critical habitat for these animals. The Ochlockonee River basin contains some as well. I will be glad to meet with you concerning this project for the Georgia portion. If you can give me a few dates to choose from that would be appreciated and we can go from there. Also, where would you like to meet at?

Thank you,  
Sandy Abbott  
USFWS

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----- Forwarded message -----

**From:** **Doresky, John** <[john\\_doresky@fws.gov](mailto:john_doresky@fws.gov)>  
**Date:** Wed, Sep 18, 2013 at 9:35 AM  
**Subject:** Fwd: Sabal Trail Transmission interstate pipeline project  
**To:** Sandy Abbott <[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)>

Can you take this and let me know if there's something I need to be made aware of, otherwise, full speed ahead....I'm feeling kind of nautical today.....

----- Forwarded message -----

**From:** **Shelton, Darwin** <[DShelton@trcsolutions.com](mailto:DShelton@trcsolutions.com)>  
**Date:** Tue, Sep 17, 2013 at 2:34 PM  
**Subject:** Sabal Trail Transmission interstate pipeline project  
**To:** "[John\\_doresky@fws.gov](mailto:John_doresky@fws.gov)" <[John\\_doresky@fws.gov](mailto:John_doresky@fws.gov)>

Mr. Doresky,

Sabal Trail Transmission, LLC (Sabal Trail), a joint venture of Spectra Energy Corporation and NextEra Energy Corporation., is proposing an interstate pipeline project that will pass through portions of Alabama, Georgia, and Florida called the Sabal Trail Pipeline Project (Project). Sabal Trail anticipates initial field surveys for ecological resources, including habitat assessments for rare, threatened, and endangered species to begin in fall 2013.

Please be advised that on 9/17/2013 an Information Packet on this Project was sent via FedEx to your attention at the following address, Highway 27 at First Division Road, Building 5889 Fort Benning, GA 31905. The packet contains a general project location map, shape files of the proposed route and associated facilities, and a .kmz file of the proposed route. Please use the information provided in the packet to review the Project area for rare, threatened, or endangered species, and critical habitats or other sensitive natural areas within a one mile radius of the Project area. Once you have had sufficient time for review, we would like to schedule a meeting with you within the next month to discuss concerns or recommendations that your agency might have regarding the proposed Project.

Mr. Jason Sean Lancaster of TRC Environmental, the Project environmental consultant, will be contacting you in the near future to set up a convenient time to meet with representatives of Sabal Trail and TRC. Should you have any questions or comments in the meantime, please contact Mr. Jason Sean Lancaster at 770-270-1192, Ext. 119 or via e-mail at [Jlancaster@trcsolutions.com](mailto:Jlancaster@trcsolutions.com)

Donnie Shelton

Environmental Scientist

4155 Shackelford Road, Suite 225 Norcross, GA  
30093

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John Doresky  
U.S. Fish and Wildlife Service  
PO Box 52560  
Fort Benning, GA 31995  
706.544.6030 (w)  
706.202.2467 (c)

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October 29, 2013

Ms. Sandy Abbott  
United States Fish and Wildlife Service  
Hwy 27 at First Division Road  
Bldg 5889  
Fort Benning, GA 31905

Re: Sabal Trail Transmission, LLC Project  
FERC Docket No. PF14-1-000

Dear Ms. Abbott:

As we previously communicated, Sabal Trail Transmission, LLC, an interstate pipeline company, (“Sabal Trail”) was formed as a joint venture between Spectra Energy Corp (“Spectra Energy”) and NextEra Energy, Inc. (“NextEra”) to develop a natural gas pipeline expansion project that will increase energy supply diversity, security and reliability in the Southeast region. The currently proposed scope involves a 470 mile, underground 36-inch diameter pipeline in the states of Alabama, Georgia and Florida to deliver up to one billion cubic feet of natural gas to the Southeast US (the “Project”) as well as the above ground facilities necessary to operate the pipeline. This letter has been sent to provide you with an update of Project developments.

The Federal Energy Regulatory Commission (“FERC”) regulates the interstate transmission of natural gas and plays a key role in the development of interstate natural gas pipeline projects. In order to initiate its early review of the Project pursuant to the National Environmental Policy Act and to facilitate early public interaction, FERC has established a pre-application process, called Pre-Filing. The Pre-Filing process allows all stakeholders - including FERC, Federal and State agencies and landowners, an opportunity to review project-related information and identify issues prior to submitting a formal application to FERC for a Certificate of Public Convenience and Necessity. Sabal Trail believes the Pre-Filing process is an effective process which allows for early participation and input as the proposed route for a project is being evaluated.

On October 15, 2013, FERC approved Sabal Trail’s request to utilize FERC’s Pre-Filing review process to enhance the early identification and resolution of environmental issues for the Project’s environmental review. FERC assigned Docket No. PF14-1-000 to the Project and you can follow this proceeding on FERC’s website, [www.ferc.gov](http://www.ferc.gov).

From October 1, 2013 through October 23, 2013, Sabal Trail held 18 informational meetings along the proposed pipeline corridor to provide affected landowners with information about the Project. Next, Sabal Trail intends to file with the FERC, draft Resource Report 1

(Project Description) and Resource Report 10 (Route Alternatives) as required by the Pre-Filing process on November 15, 2013. The documents will be available for public review on FERC's website. Copies of these draft resource reports will also be placed in public libraries for stakeholder access and will be distributed to the federal and state agencies that will be involved with the Project. A full set of Draft Resource Reports (1-12) describing project impacts are planned to be filed with FERC and available to the public for review and comment during the Second Quarter of 2014. The formal FERC application, as well as other federal and state applications for the Project, are planned to be filed during the last quarter of 2014.

Additionally, to keep stakeholders informed as the Project progresses, Open Houses will be scheduled during this coming December for additional opportunities to participate and to informally meet with project personnel to receive additional project information and discuss any concerns you. Project information including the schedule for the Open Houses is also available at [www.SabalTrailTransmission.com](http://www.SabalTrailTransmission.com).

We encourage your participation and consultation throughout this process and will continue to keep you apprised of important developments. Please do not hesitate to contact our Project office at (888) 596-7732.

Sincerely,



Gus McLachlan  
Environmental Manager  
Sabal Trail Transmission, LLC

## Watson, Bonnie

---

**From:** Abbott, Sandy <sandy\_abbott@fws.gov>  
**Sent:** Friday, November 15, 2013 8:14 AM  
**To:** Lancaster, Jason  
**Subject:** Re: Sabal Trail project

Jason,

It came to mind this week if you need an official letter from us responding to your request sent Sept. 16. You already had the information I would have told you in a letter, so I was wondering if you still needed one or if the meeting was good enough. Just let me know and I will get with Annie in Jax and see what we can do.

It was nice meeting you last week.

Sandy

On Wed, Nov 6, 2013 at 3:25 PM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

Hi Sandy,

If it's not too late, I wanted to let you know that Darwin "Donnie" Shelton and I will be attending the meeting at your office tomorrow at 11:00 AM. I don't think we'll have anyone else on our end tagging along with us.

I do have a more detailed set of maps for Georgia which I'll be bring with me tomorrow.

Did you receive a KMZ-Google Earth file of the proposed route? If not, I can send one to you.

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



4155 Shackelford Road, Suite 225 Norcross, GA 30093

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**From:** Abbott, Sandy [mailto:sandy\_abbott@fws.gov]  
**Sent:** Monday, November 04, 2013 11:06 AM

**To:** Lancaster, Jason  
**Subject:** Re: Sabal Trail project

thanks, they were just a little late getting on the line. I was just trying to make sure.

On Mon, Nov 4, 2013 at 10:53 AM, Lancaster, Jason <JLancaster@trcsolutions.com> wrote:

Hi Sandy,

Sorry if this late...I believe the call was scheduled for 10:00 AM.

877-326-2337 Conf ID 9247669

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Abbott, Sandy [mailto:[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]  
**Sent:** Monday, November 04, 2013 10:02 AM

**To:** Lancaster, Jason  
**Subject:** Re: Sabal Trail project

is the conference call still today at 10:00am

On Mon, Nov 4, 2013 at 8:09 AM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

Thanks Sandy, I'll check and see if I can bring more detailed mapping with me to the meeting.

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Abbott, Sandy [mailto:[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]  
**Sent:** Monday, November 04, 2013 7:48 AM

**To:** Lancaster, Jason  
**Subject:** Re: Sabal Trail project

Jason,

one piece of information we would like for Thursday's meeting is the area's where you are not following an existing pipeline easement, can you explain why and have a map of these areas in more detail for us to see.

Thank you,

Sandy Abbott

On Mon, Oct 28, 2013 at 7:24 AM, Abbott, Sandy <[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)> wrote:

Jason,

I have a meeting on Oct. 30th. Any other day this week would be fine though.

On Fri, Oct 25, 2013 at 11:54 AM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

Hi Sandy, I just got back into the office from being in the field this week. I'll check and see what everyone's availability for October 30<sup>th</sup> is for a meeting. I just heard yesterday we may have a meeting with the Jax Office tentatively scheduled for Nov 4<sup>th</sup>. Maybe Monday before I can confirm.

Thanks for working with us on the meeting date.

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Abbott, Sandy [mailto:[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]  
**Sent:** Thursday, October 24, 2013 8:44 AM  
**To:** Lancaster, Jason  
**Subject:** Re: Sabal Trail project

Jason,

I believe the Service will provide comments as a whole after you meet in Jacksonville. Since Annie in the Jax office is the lead for this, it will come from that office. I can meet with you to discuss my issues before you meet with her though. I believe this would be easier in the long run. I am pretty clear except for Oct. 30th, Nov. 6th and the 19th. Just let me know what is good for you. Thanks!

Sandy Abbott

USFWS

On Thu, Oct 24, 2013 at 8:26 AM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

Hi Sandy,

Sorry for the delay in response. I've been in the field most of this week with sporadic access to emails.

We would like to still meet with you to discuss the Project if you have availability.

If you'd like to go ahead and provide written comments before that meeting, that would be great. We could use your comments as a basis for the meeting's agenda.

When would you have availability in the up coming weeks?

Jason Sean Lancaster

Certified Environmental Professional and Certified Ecologist  
Senior Biologist



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**From:** Abbott, Sandy [mailto:[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]  
**Sent:** Tuesday, October 22, 2013 12:42 PM  
**To:** Lancaster, Jason  
**Subject:** Sabal Trail project

Jason,

I just found your project on my desk and realized that before the gov shutdown your were going to schedule a meeting to discuss this project with me. At that time I was going to wait until I met with you to write my comment letter, but now that I received your letter over a month ago I need to reply to get it off my desk. Do you still want to sit down with me to discuss this project? I will go ahead and write our comments on this proposed project from the information you have provided unless you would like to discuss it beforehand. I look forward to hearing from you.

Thank you,

Sandy Abbott

USFWS

West GA Ecological Sub Office

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## Watson, Bonnie

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**From:** Abbott, Sandy <sandy\_abbott@fws.gov>  
**Sent:** Friday, April 04, 2014 8:18 AM  
**To:** Lancaster, Jason  
**Subject:** Re: Sabal - Crevasse Pond (Wood Stork Rookery)

Jason,

I'm really in favor of you going around the site, but am working on a distance for you. I will try to get a distance to you by early next week.

Sandy

On Fri, Apr 4, 2014 at 6:06 AM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

Hello Sandy,

I'm in the field today but wanted to check in with you and see if a decision has been reached on our two proposed Scenarios at Crevasse Pond. Can you provide me an update?

As usual, thanks for the assistance.

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Lancaster, Jason  
**Sent:** Monday, March 31, 2014 11:23 AM

**To:** Abbott, Sandy ([sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov))  
**Subject:** RE: Sabal - Crevasse Pond (Wood Stork Rookery)

Hi Sandy,

Prior to your leave for vacation we briefly discussed the Wood Stork rookery that was identified at Crevasse Pond in Dougherty County, Georgia by the GDNR Natural Heritage Database. During our helicopter surveys last week, we confirmed that the rookery is active.

I was asked to inquire about two scenarios and what we can do to minimize the project's effects to this resource.

Scenario 1-the crossing of Crevasse Pond would be via a horizontal direction drill (HDD) to avoid surface disturbance to the pond. Construction would occur outside of the nesting window.

- Could our entry and exit workspaces for the HDD be located within the 1300-ft primary zone (in the agricultural fields) if construction occurs outside of the nesting window?
- Likewise, could we have a construction travel corridor in the 1300-ft primary zone if construction occurs outside of the nesting window?

Scenario 2-reroute within the 1,300-ft primary zone. Construction would occur outside of the nesting window.

- Using traditional construction techniques (no HDD proposed) could we reroute around Crevasse Pond to avoid direct impact to the pond/rookery? The reroute would avoid impacts to the pond but would be located within the 1,300-ft primary zone.

Can you also confirm that the nesting window for Georgia would be March to August?

Thanks for the assistance.

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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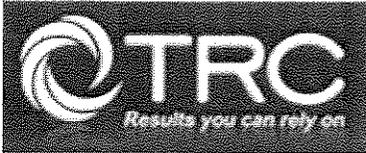
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**From:** Lancaster, Jason  
**Sent:** Thursday, March 20, 2014 3:09 PM  
**To:** Abbott, Sandy ([sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov))  
**Subject:** RE: Sabal - Crevasse Pond (Wood Stork Rookery)

Wood Stork Rookery

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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## Watson, Bonnie

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**From:** Lancaster, Jason  
**Sent:** Friday, April 04, 2014 1:20 PM  
**To:** Caldwell, David; Sandy Abbott  
**Subject:** RE: Crevasse Pond Wood Stork Rookery

Hi David,

I've asked our team to prepare a package for you based on our recent helicopter surveys. I'll forward it to you as soon as its ready (possible this afternoon but most likely Monday).

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Caldwell, David [[mailto:david\\_caldwell@fws.gov](mailto:david_caldwell@fws.gov)]  
**Sent:** Friday, April 04, 2014 9:14 AM  
**To:** Lancaster, Jason; Sandy Abbott  
**Subject:** Crevasse Pond Wood Stork Rookery

Mr. Lancaster,

My name is David Caldwell and I work with Sandy Abbott with the Fish and Wildlife Service. Sandy has passed this project over to me for review so I can provide some technical guidance with working with the wood stork population in your project scope.

After looking over the email correspondence between the two of you, it looks like your options are to bore under the colony or go around the colony with an underground option. Of the two options you provided it looks like the option to bury the lines in the agriculture fields will be the preferred route of action. That being the case, I need to obtain some more information prior to suggesting time of year and distance from vegetation edge for the pipes and disturbance to take place.

If you could send my the GPS coordinates and/or any information on the location of the rookery. I will look into this next week(April 7-11) and get back to you.

Thanks,

--

David Caldwell  
Fish and Wildlife Biologist  
US Fish and Wildlife Service  
Ecological Services Division

706-544-6253

[david\\_caldwell@fws.gov](mailto:david_caldwell@fws.gov)

## Watson, Bonnie

---

**From:** Caldwell, David <david\_caldwell@fws.gov>  
**Sent:** Tuesday, April 08, 2014 10:07 AM  
**To:** Lancaster, Jason  
**Subject:** Re: FW: Cravasse Pond Photos  
**Attachments:** Requirements to Reduce Impacts Expected to Wood Stork Rookery.docx

Jason,

Based on the photos and information you supplied, I have attached a list of recommendations for your project regarding the wood stork rookery. Please contact me if you have any questions.

Thanks,

On Mon, Apr 7, 2014 at 5:17 PM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

David/Sandy,

I've attached Google Earth KMZ points and photographs of the Wood Stork Rookery at Crevasse Pond in Dougherty County, Georgia. Please see additional information in the emails below.

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Stephanie L. Fidler [mailto:[stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com)]  
**Sent:** Monday, April 07, 2014 5:06 PM  
**To:** Lancaster, Jason  
**Cc:** Colleen M. Reilly; Jamey Hollingsworth  
**Subject:** Cravasse Pond Photos

Jason,

Please see below the information requested regarding the Cravasse Pond GADNR data points. We tried to include a zoomed out photo of each area to show the surrounding land use. We are scheduled to complete the next helicopter survey in early May so we can try to get some additional photos of these two areas if you need. Let us know if you have any other questions. Thanks.

**Stephanie L. Fidler**  
SENIOR CONSULTANT/PRINCIPAL  
CARDNO ENTRIX

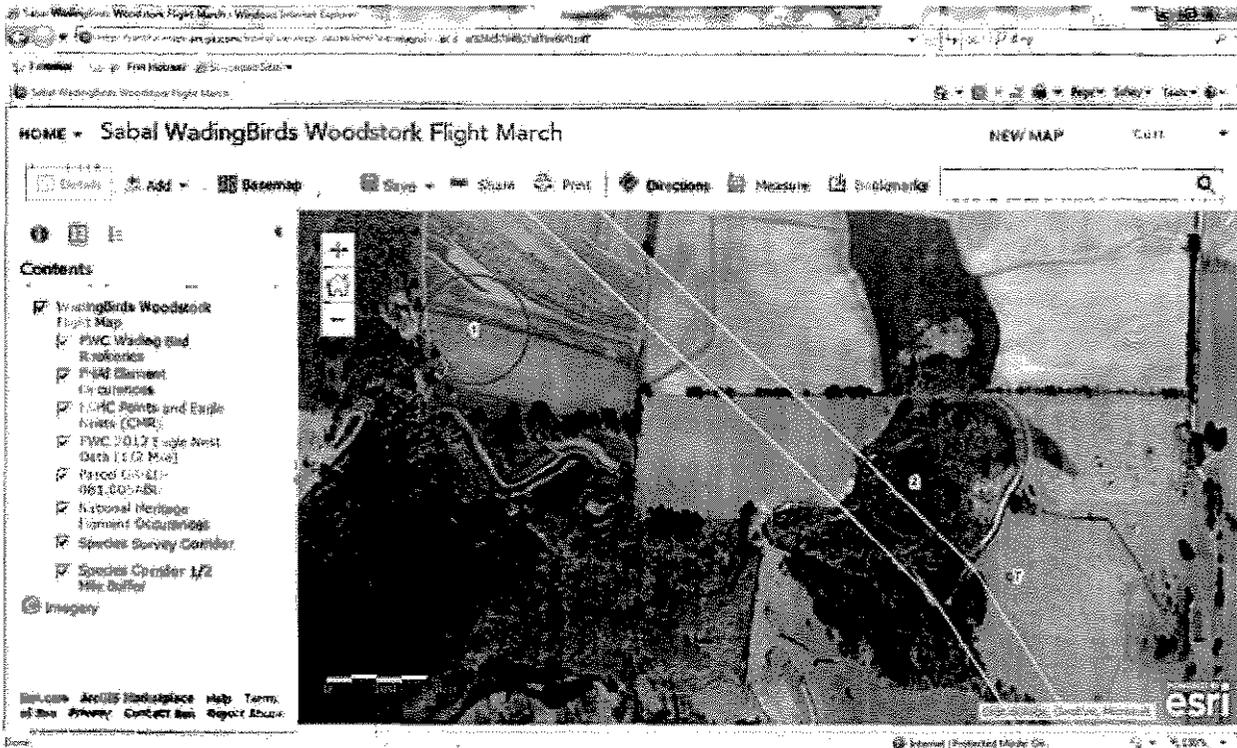
Phone (+1) 813-664-4500 Fax (+1) 813-664-0440 Direct (+1) 813-257-0007 Mobile (+1) 813-376-0189  
Address 3905 Crescent Park Drive, Riverview, FL 33578 USA  
Email [stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

---

**From:** Colleen M. Reilly  
**Sent:** Monday, April 07, 2014 2:36 PM  
**To:** Stephanie L. Fidler  
**Subject:** wood stork colony write up/screen shot

According to the GADNR, wood stork breeding typically begins in March, at which time Cardno ENTRIX biologists conducted the first of three planned aerial helicopter surveys for wood storks and other colonial nesting water birds. The screen shot below depicts three of the mapped GADNR data points that were investigated during the survey: two known wood stork colonies in N Cravasse Pond (#1 and #2) and a wading bird colony (#7). On March 26, the three sites were visited in the evening hours around 6:30 pm. During the survey, the pilot was asked to maintain an appropriate distance so as to not disrupt or flush the birds. The first of two GADNR points in N Cravasse Pond, represented as #2 below (attached photographs 6487, 6494, and 6498), was observed further southwest in the system than the official data point (see google earth place mark #2). A wood stork colony consisting of approximately 45-50 individuals was observed in the cypress system at this location. A number of potential nest structures were observed in the trees and a number of storks exhibited breeding behavior, including individuals (approximately 6) in apparent incubation posture. Areas surrounding the cypress system consist of agriculture/improved pastureland with grazing cattle. The second of two GADNR points in N Cravasse Pond, represented as #1 below (attached photographs 6503, 6505, and 6507), was observed further south in the system than the official data point (see google earth place mark #1). A colony consisting of approximately 30 individuals was observed at this location. The primary birds observed included great egret, with wood storks also observed. A number of potential nest structures were observed and a number of birds (approximately 16) exhibited apparent incubation posture. Areas surrounding the wetland system consists of improved pastureland with

grazing cattle in addition to multiple homes. The next aerial helicopter survey flight is proposed to occur in early May, at which time the N Cravasse Pond sites will be revisited.



Colleen M. Reilly  
SENIOR STAFF SCIENTIST  
CARDNO ENTRIX



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Address 3905 Crescent Park Drive, Riverview, FL 33578 USA  
Email [colleen.reilly@cardno.com](mailto:colleen.reilly@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

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--  
David Caldwell  
Fish and Wildlife Biologist  
US Fish and Wildlife Service

Ecological Services Division  
706-544-6253  
[david\\_caldwell@fws.gov](mailto:david_caldwell@fws.gov)

## Requirements to Reduce Impacts Expected to Wood Stork Rookery:

### Crevasse Pond, Brooks County, GA

All recommendations below take into account the surrounding landscape features and natural buffers surrounding the wood stork rookery. Ariel photography shows limited established vegetation surrounding Crevasse Pond and the actual roosting sites where the wood storks are present. This situation places larger buffers than expected to reduce the anticipated negative effects to the wood storks and their young. You can find more information at:

[http://www.fws.gov/northflorida/WoodStorks/Documents/19900100\\_gd\\_Wood-stork-habitat-guidelines-1990.pdf](http://www.fws.gov/northflorida/WoodStorks/Documents/19900100_gd_Wood-stork-habitat-guidelines-1990.pdf).

- All work must be conducted between August-February to avoid disturbance. Site surveys should be conducted prior to and during the installation process to ensure the wood storks are not present during any disturbance within 1500 feet of the rookeries.
- All pipelines should be buried deep enough to allow continued agriculture use and placed >1300 feet from existing edge of undisturbed (effected by agriculture use/mowing practices) vegetation surrounding the area utilized by the wood storks during nesting and roosting season.
- Herbicide and pesticide use should be not be used within 2000 feet of the wood stork rookery. This buffer reduces the chance of wind drift and runoff that could have negative effects on the habitat utilized by the wood storks for daily requirements.
- Native vegetation should be reestablished within 4 weeks following the actions needed to bury the pipeline in all areas where bare soil is exposed

## Watson, Bonnie

---

**From:** Lancaster, Jason  
**Sent:** Tuesday, April 08, 2014 11:39 AM  
**To:** Caldwell, David  
**Cc:** Abbott, Sandy (sandy\_abbott@fws.gov)  
**Subject:** FW: Sabal - Crevasse Pond (Wood Stork Rookery)  
**Attachments:** CrevassePond\_Aerial.pdf; CrevassePond\_USGS.PDF; Requirements to Reduce Impacts Expected to Wood Stork Rookery.docx

Hi David,

When I first spoke with Sandy, we discussed two scenarios. I've attached my email from Sandy outlining the scenarios we discussed. I've also attached the initial figures that show the 1,300-ft and 2,500-ft buffers.

Our preferred would have been to move forward with Scenario 2 as stated below.

From the recommendations you provided it looks like you would like the pipeline to be located outside of the 1,300-ft primary buffer. This would take Scenario 2 off the table. Can you confirm that we could not reroute the pipeline anywhere within the 1,300-ft primary buffer? We were hoping to avoid a horizontal direction drill of the pond, but not shift the pipeline that far out. The pipeline would be located within agricultural fields and we'd proposed constructing it within the non-nesting season. Vegetation would be restored within the time periods you specified (e.g., 4 weeks following installation) and would be returned to an agricultural use prior to the Wood Storks returning the next year.

If we moved forward with Scenario 1, an horizontal directional drill of the pond, could we have a travel corridor within the 1,300 ft primary buffer through the agricultural field. There would be nothing buried in this area just a travel path to get equipment from one side of the pipeline construction corridor to the other.

I'm working remotely this week but can be reached on my cell phone if you would like to discuss rather than email (404.862.9819).

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



4155 Shackleford Road, Suite 225 Norcross, GA 30093  
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**From:** Lancaster, Jason  
**Sent:** Monday, March 31, 2014 11:23 AM  
**To:** Abbott, Sandy (sandy\_abbott@fws.gov)  
**Subject:** RE: Sabal - Crevasse Pond (Wood Stork Rookery)

Hi Sandy,

Prior to your leave for vacation we briefly discussed the Wood Stork rookery that was identify at Crevasse Pond in Dougherty County, Georgia by the GDNR Natural Heritage Database. During our helicopter surveys last week, we confirmed that the rookery is active.

I was asked to inquire about two scenarios and what we can do to minimize the project's effects to this resource.

Scenario 1-the crossing of Crevasse Pond would be via a horizontal direction drill (HDD) to avoid surface disturbance to the pond. Construction would occur outside of the nesting window.

- Could our entry and exit workspaces for the HDD be located within the 1300-ft primary zone (in the agricultural fields) if construction occurs outside of the nesting window?
- Likewise, could we have a construction travel corridor in the 1300-ft primary zone if construction occurs outside of the nesting window?

Scenario 2-reroute within the 1,300-ft primary zone. Construction would occur outside of the nesting window.

- Using traditional construction techniques (no HDD proposed) could we reroute around Crevasse Pond to avoid direct impact to the pond/rookery? The reroute would avoid impacts to the pond but would be located within the 1,300-ft primary zone.

Can you also confirm that the nesting window for Georgia would be March to August?

Thanks for the assistance.

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*

Senior Biologist



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**From:** Lancaster, Jason

**Sent:** Thursday, March 20, 2014 3:09 PM

**To:** Abbott, Sandy ([sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov))

**Subject:** RE: Sabal - Crevasse Pond (Wood Stork Rookery)

Wood Stork Rookery

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*

Senior Biologist



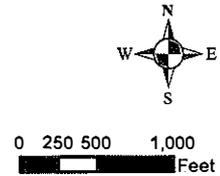
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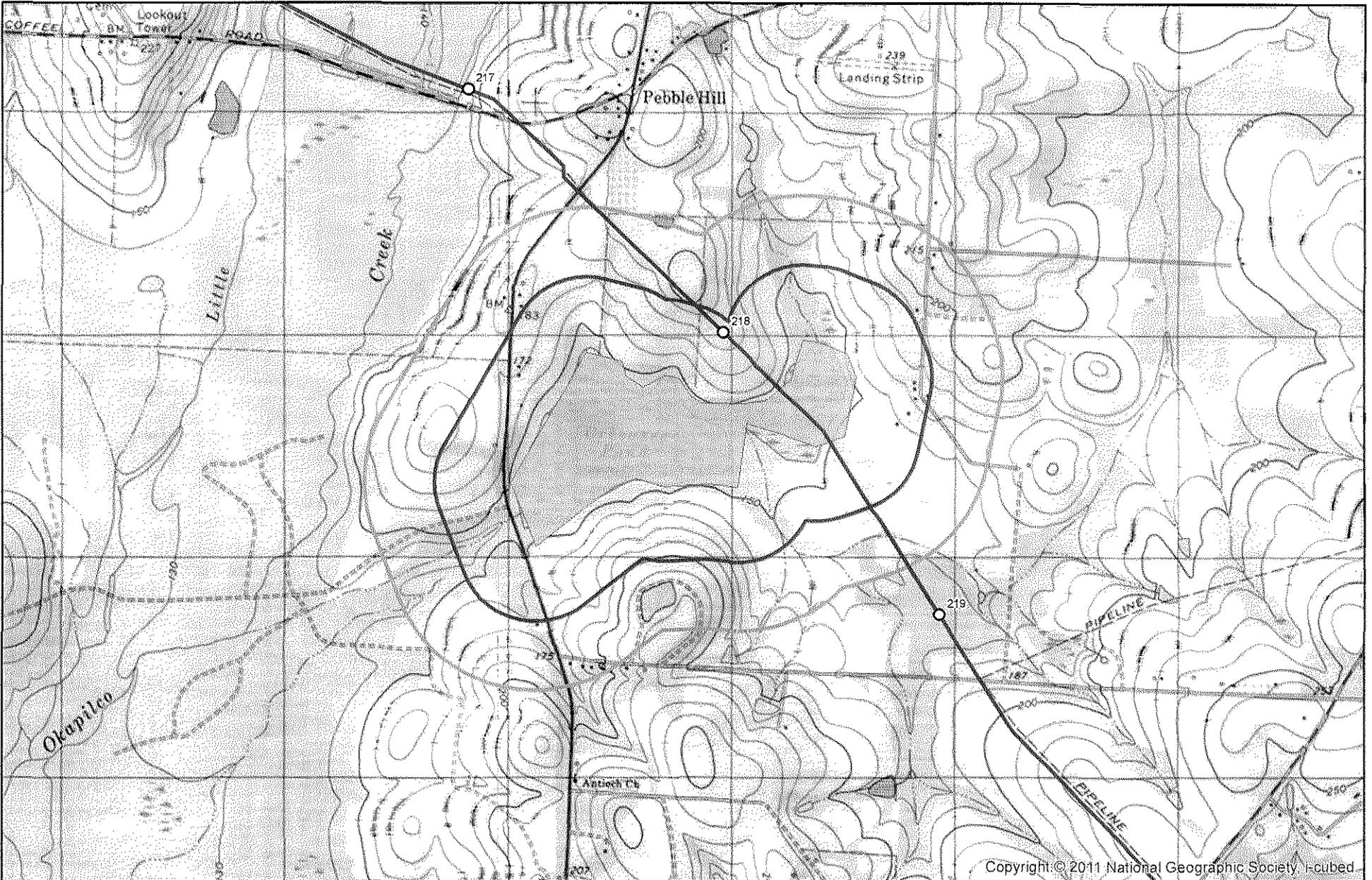


Source: Esri, i-cubed, USDA, USGS, AEX, GeoEye, Geomapping, Aerogrid, IGN, IGP, and the GIS User Community

-  Mileposts
-  Sabal Trail Mainline
-  Crevasse Pond
-  1300-ft Buffer
-  2500-ft Buffer

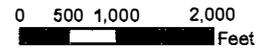



<b>SABAL TRAIL PROJECT</b> <b>CREVASSE POND</b>
DATE: MARCH 20, 2014



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- Mileposts
- Sabal Trail Mainline
- ▨ Crevasse Pond
- ▭ 1300-ft Buffer
- ▭ 2500-ft Buffer



  
**SABAL TRAIL PROJECT**  
**CREVASSE POND**  
DATE: MARCH 20, 2014

## Requirements to Reduce Impacts Expected to Wood Stork Rookery:

### Crevasse Pond, Brooks County, GA

All recommendations below take into account the surrounding landscape features and natural buffers surrounding the wood stork rookery. Aerial photography shows limited established vegetation surrounding Crevasse Pond and the actual roosting sites where the wood storks are present. This situation places larger buffers than expected to reduce the anticipated negative effects to the wood storks and their young. You can find more information at:

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## Watson, Bonnie

---

**From:** Lancaster, Jason  
**Sent:** Tuesday, April 29, 2014 11:34 AM  
**To:** Caldwell, David; Abbott, Sandy (sandy\_abbott@fws.gov)  
**Subject:** Sabal Trail - Crevasse Pond Reroute (Wood Stork Rookery)  
**Attachments:** CrevassePond\_Aerial\_2014\_04\_26.pdf; CrevassePond\_USGS\_2014\_04\_26.pdf

David and Sandy,

Sabal Trail has proposed a reroute around the Wood Stork Rookery at Crevasse Pond. I've attached an aerial photograph and USGS quadrangle excerpt that illustrates the original route and the proposed reroute.

The original route would have crossed Crevasse Pond. The reroute avoids the pond and therefore direct impacts to the Wood Stork Rookery. As we discussed, the reroute would cross the 1300-ft primary buffer but construction would be restricted to the non-nesting season (August-February). Note this is a requested change from the 1300-ft avoidance requirements supplied by your office via email on April 8, 2014. All other requirements will be followed including, a biological observer during construction, burying the pipeline deep enough to allow continued agricultural use, and restrictions on herbicide and pesticide use for pipeline maintenance.

Please let me know if this reroute and change to the avoidance requirements is acceptable to the USFWS or if there are any additional requirements.

Sincerely,  
Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Caldwell, David [mailto:david\_caldwell@fws.gov]  
**Sent:** Tuesday, April 08, 2014 10:07 AM  
**To:** Lancaster, Jason  
**Subject:** Re: FW: Cravasse Pond Photos

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**From:** Stephanie L. Fidler [<mailto:stephanie.fidler@cardno.com>]

**Sent:** Monday, April 07, 2014 5:06 PM

**To:** Lancaster, Jason

**Cc:** Colleen M. Reilly; Jamey Hollingsworth

**Subject:** Cravasse Pond Photos

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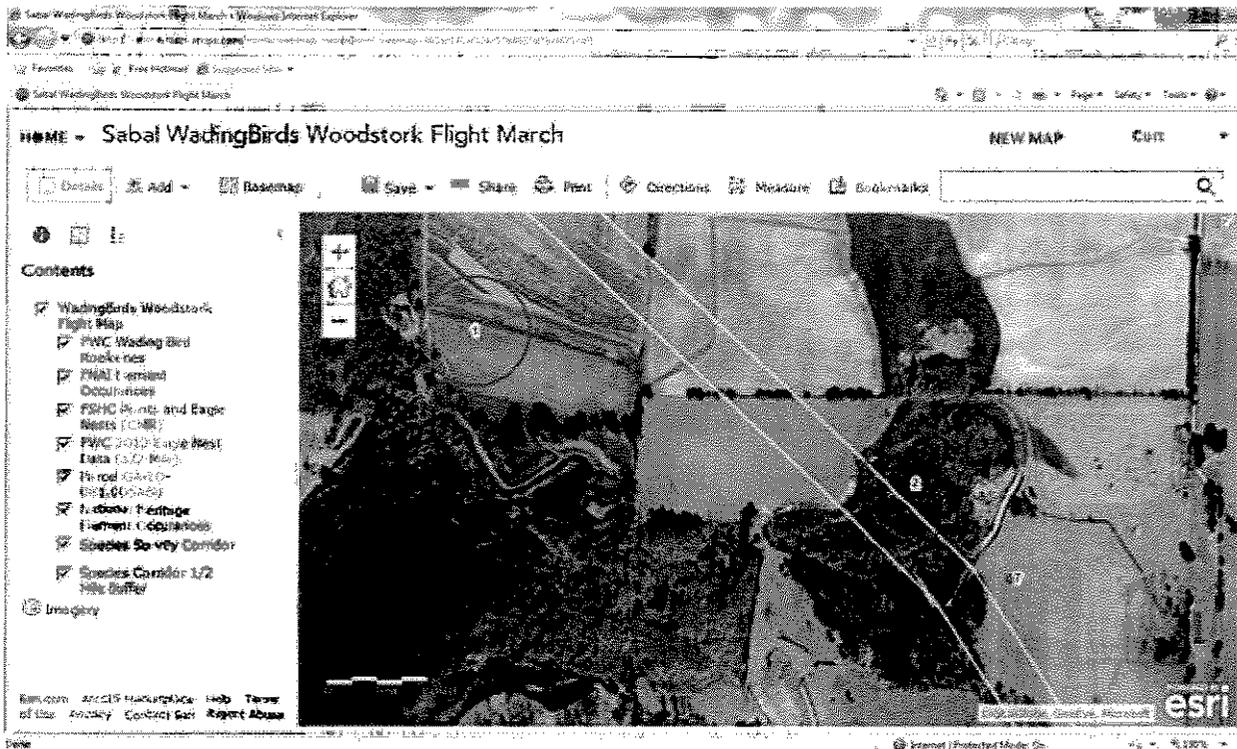
Stephanie L. Fidler  
SENIOR CONSULTANT/PRINCIPAL

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**From:** Colleen M. Reilly  
**Sent:** Monday, April 07, 2014 2:36 PM  
**To:** Stephanie L. Fidler  
**Subject:** wood stork colony write up/screen shot

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Colleen M. Reilly  
 SENIOR STAFF SCIENTIST  
 CARDNO ENTRIX



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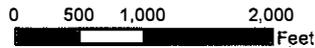
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--  
 David Caldwell  
 Fish and Wildlife Biologist  
 US Fish and Wildlife Service  
 Ecological Services Division  
 706-544-6253  
[david\\_caldwell@fws.gov](mailto:david_caldwell@fws.gov)

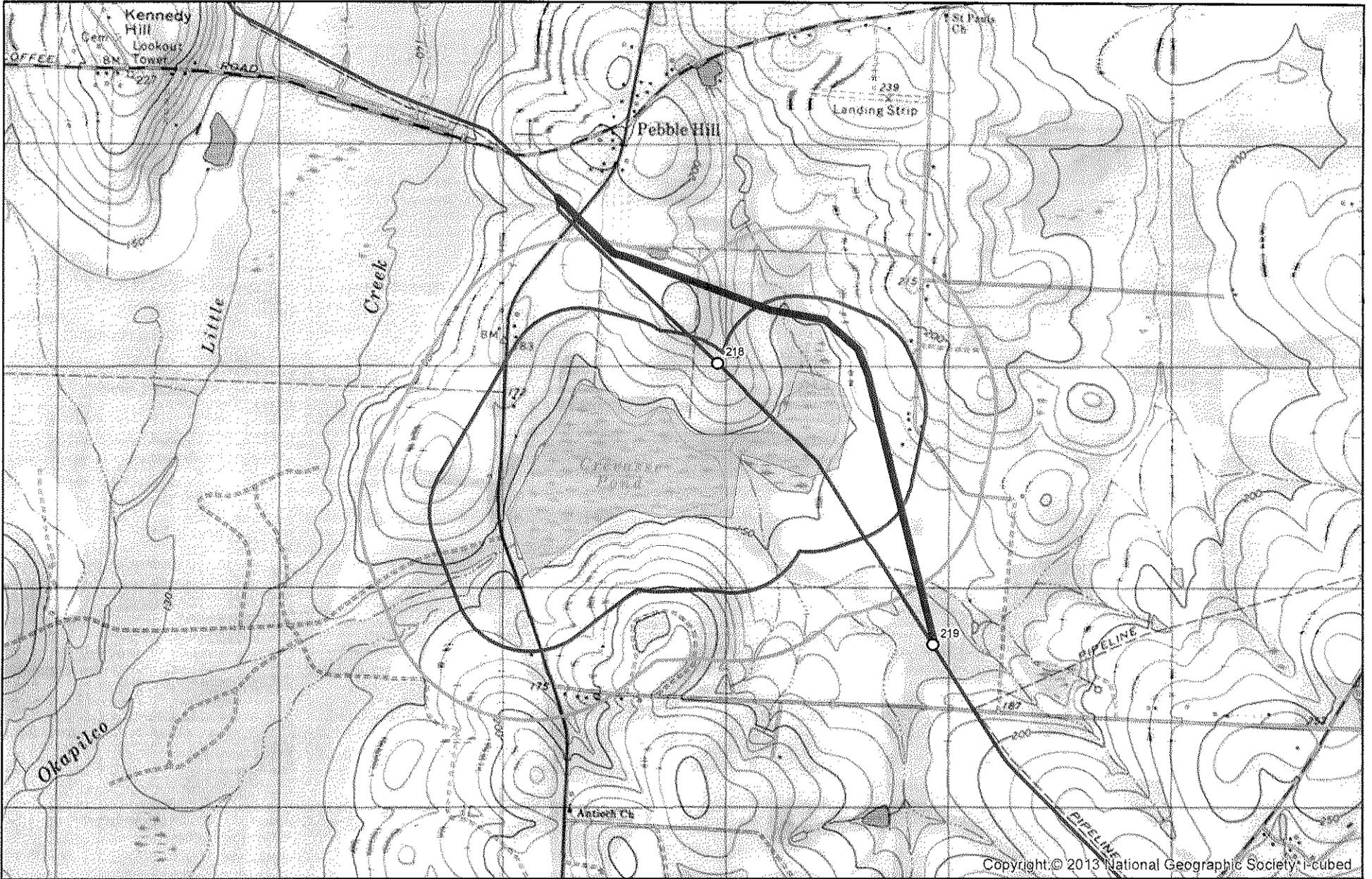


Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

- Mileposts
- ▬ Sabal Trail Mainline
- ▬ Reroute #107
- ▭ Crevasse Pond
- ▭ 1300-ft Buffer
- ▭ 2500-ft Buffer

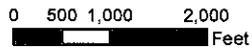


  
**SABAL TRAIL PROJECT**  
**CREVASSE POND**  
DATE: APRIL 26, 2014



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- Mileposts
- Sabal Trail Mainline
- ▬ Reroute #107
- ▭ Crevasse Pond
- ▭ 1300-ft Buffer
- ▭ 2500-ft Buffer



  
**SABAL TRAIL PROJECT**  
**CREVASSE POND**  
DATE: APRIL 26, 2014

## Watson, Bonnie

---

**From:** Lancaster, Jason  
**Sent:** Tuesday, April 29, 2014 2:11 PM  
**To:** Caldwell, David  
**Cc:** Abbott, Sandy (sandy\_abbott@fws.gov)  
**Subject:** RE: Sabal Trail - Crevasse Pond Reroute (Wood Stork Rookery)  
**Attachments:** March 2014 Aerial Helicopter Survey.kmz; SKMBT\_C45214042913490.pdf

Hi David,

I've attached the aerial and have hand drawn in the point locations received from the GDNR Natural Heritage Database and what was identified during our recent helicopter surveys. I may have already sent this, but I've also attached a Google KMZ of the point locations identified by Helicopter.

We believe the GDNR point locations are very generalized and not exact. GDNR 1 and GDNR 7 are both within the active agricultural field and it wouldn't make ecological sense for a Wood Stork or wading bird colony to be at those exact locations. We assume all three GDNR records were actually referring to locations in Crevasse Pond but due to GPS equipment or human errors the latitude/longitude coordinates were skewed.

There are two active Wood Stork colonies identified by Helicopter within Crevasse Pond at the locations I've hand drawn on the attached figure. The reroute was design to avoid all direct impacts to Crevasse Pond and the two known colonies.

I'll need to check with engineering to see if they can come up with the cost breakdown you requested. I do know that in addition to the cost associated with total length of pipe, there are costs and concerns with adding points-of-inflection or "PIs" (e.g., bends to the pipe). For this reroute, they've added 3 to 4 PIs and I believe to take it completely out of the 1300-ft buffer they'd need to adjust a few of these PIs and add 1 to 2 more.

At this point, is the reroute looking feasible or do you need the cost breakdown to make your final decision. Thanks for your help.

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**From:** Caldwell, David [mailto:david\_caldwell@fws.gov]  
**Sent:** Tuesday, April 29, 2014 12:16 PM  
**To:** Lancaster, Jason  
**Subject:** Re: Sabal Trail - Crevasse Pond Reroute (Wood Stork Rookery)

Jason,

Can you send me a screen shot of the reroute with the three known colonies(1,2,&7) inlayed into the same frame? It's hard to tell if the reroute will disrupt #7 by interpretation of the aerial and topo alone.

Also, What is the cost and material difference to extend the reroute closer to the 1300' buffer?

Thanks,

David

On Tue, Apr 29, 2014 at 11:53 AM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

David and Sandy,

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Sincerely,

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



4155 Shackleford Road, Suite 225 Norcross, GA 30093

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**From:** Caldwell, David [mailto:[david\\_caldwell@fws.gov](mailto:david_caldwell@fws.gov)]  
**Sent:** Tuesday, April 08, 2014 10:07 AM  
**To:** Lancaster, Jason  
**Subject:** Re: FW: Cravasse Pond Photos

Jason,

Based on the photos and information you supplied, I have attached a list of recommendations for your project regarding the wood stork rookery. Please contact me if you have any questions.

Thanks,

On Mon, Apr 7, 2014 at 5:17 PM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

David/Sandy,

I've attached Google Earth KMZ points and photographs of the Wood Stork Rookery at Crevasse Pond in Dougherty County, Georgia. Please see additional information in the emails below.

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**From:** Stephanie L. Fidler [mailto:[stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com)]  
**Sent:** Monday, April 07, 2014 5:06 PM  
**To:** Lancaster, Jason  
**Cc:** Colleen M. Reilly; Jamey Hollingsworth  
**Subject:** Cravasse Pond Photos

Jason,

Please see below the information requested regarding the Cravasse Pond GADNR data points. We tried to include a zoomed out photo of each area to show the surrounding land use. We are scheduled to complete the next helicopter survey in early May so we can try to get some additional photos of these two areas if you need. Let us know if you have any other questions. Thanks.

**Stephanie L. Fidler**  
SENIOR CONSULTANT/PRINCIPAL  
CARDNO ENTRIX

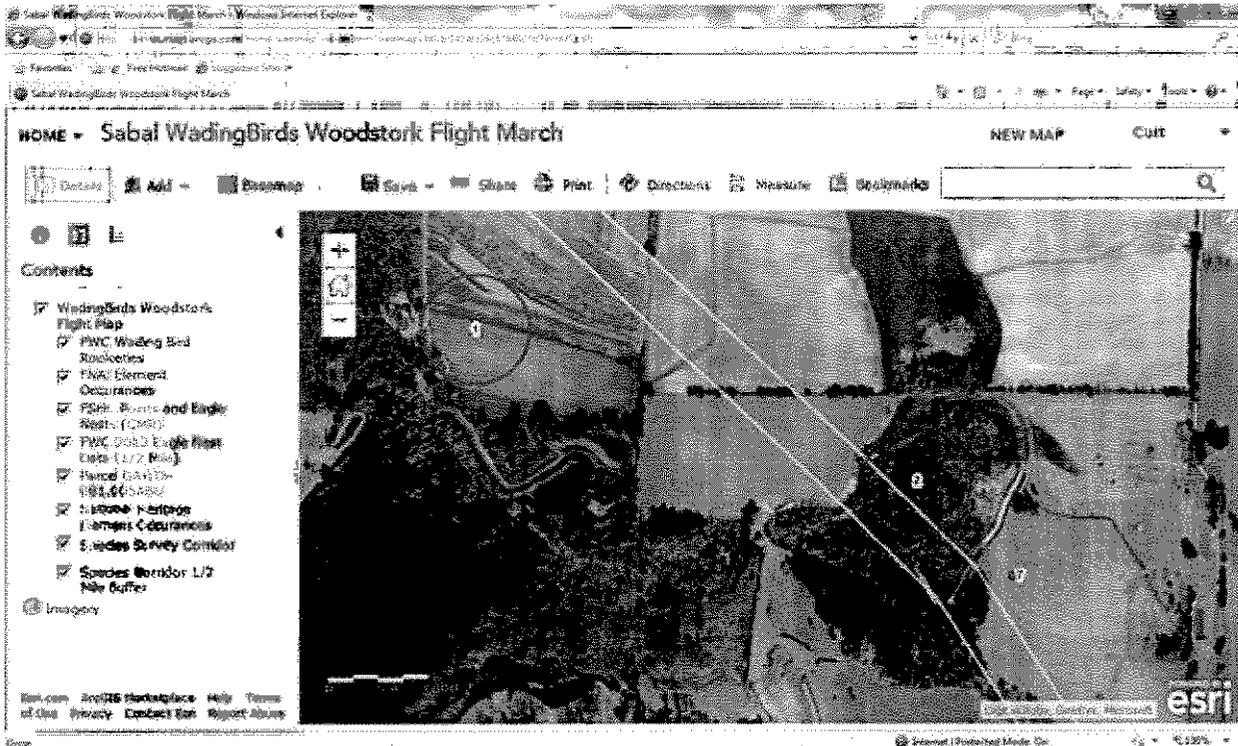
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---

**From:** Colleen M. Reilly  
**Sent:** Monday, April 07, 2014 2:36 PM  
**To:** Stephanie L. Fidler  
**Subject:** wood stork colony write up/screen shot

According to the GADNR, wood stork breeding typically begins in March, at which time Cardno ENTRIX biologists conducted the first of three planned aerial helicopter surveys for wood storks and other colonial nesting water birds. The screen shot below depicts three of the mapped GADNR data points that were investigated during the survey: two known wood stork colonies in N Cravasse Pond (#1 and #2) and a wading bird colony (#7). On March 26, the three sites were visited in the evening hours around 6:30 pm. During the survey, the pilot was asked to maintain an appropriate distance so as to not disrupt or flush the birds. The first of two GADNR points in N Cravasse Pond, represented as #2 below (attached photographs 6487, 6494, and 6498), was observed further southwest in the system than the official data point (see google earth place mark #2). A wood stork colony consisting of approximately 45-50 individuals was observed in the cypress system at this location. A number of potential nest structures were observed in the trees and a

number of storks exhibited breeding behavior, including individuals (approximately 6) in apparent incubation posture. Areas surrounding the cypress system consist of agriculture/improved pastureland with grazing cattle. The second of two GADNR points in N Cravasse Pond, represented as #1 below (attached photographs 6503, 6505, and 6507), was observed further south in the system than the official data point (see google earth place mark #1). A colony consisting of approximately 30 individuals was observed at this location. The primary birds observed included great egret, with wood storks also observed. A number of potential nest structures were observed and a number of birds (approximately 16) exhibited apparent incubation posture. Areas surrounding the wetland system consists of improved pastureland with grazing cattle in addition to multiple homes. The next aerial helicopter survey flight is proposed to occur in early May, at which time the N Cravasse Pond sites will be revisited.



Colleen M. Reilly  
 SENIOR STAFF SCIENTIST  
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Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

-  Mileposts
-  Sabal Trail Mainline
-  Reroute #107
-  Crevasse Pond
-  1300-ft Buffer
-  2500-ft Buffer



**SABAL TRAIL PROJECT**  
**CREVASSE POND**  
DATE: APRIL 26, 2014

## Watson, Bonnie

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**From:** Caldwell, David <david\_caldwell@fws.gov>  
**Sent:** Tuesday, April 29, 2014 2:29 PM  
**To:** Lancaster, Jason  
**Subject:** Re: Sabal Trail - Crevasse Pond Reroute (Wood Stork Rookery)

Jason,

Thanks for the quick reply. At this point, as long as you conduct the work within the time frame recommended, I believe the proposed reroute will be adequate regarding the wood storks.

Thank you for working with us regarding the presence of the wood storks.

Dave

On Tue, Apr 29, 2014 at 2:11 PM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

Hi David,

I've attached the aerial and have hand drawn in the point locations received from the GDNR Natural Heritage Database and what was identified during our recent helicopter surveys. I may have already sent this, but I've also attached a Google KMZ of the point locations identified by Helicopter.

We believe the GDNR point locations are very generalized and not exact. GDNR 1 and GDNR 7 are both within the active agricultural field and it wouldn't make ecological sense for a Wood Stork or wading bird colony to be at those exact locations. We assume all three GDNR records were actually referring to locations in Crevasse Pond but due to GPS equipment or human errors the latitude/longitude coordinates were skewed.

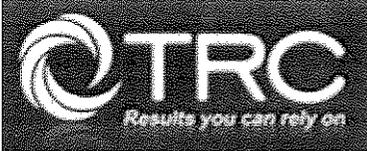
There are two active Wood Stork colonies identified by Helicopter within Crevasse Pond at the locations I've hand drawn on the attached figure. The reroute was design to avoid all direct impacts to Crevasse Pond and the two known colonies.

I'll need to check with engineering to see if they can come up with the cost breakdown you requested. I do know that in addition to the cost associated with total length of pipe, there are costs and concerns with adding points-of-inflection or "PIs" (e.g., bends to the pipe). For this reroute, they've added 3 to 4 PIs and I believe to take it completely out of the 1300-ft buffer they'd need to adjust a few of these PIs and add 1 to 2 more.

At this point, is the reroute looking feasible or do you need the cost breakdown to make your final decision. Thanks for your help.

Jason Sean Lancaster

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**From:** Caldwell, David [mailto:[david\\_caldwell@fws.gov](mailto:david_caldwell@fws.gov)]

**Sent:** Tuesday, April 29, 2014 12:16 PM

**To:** Lancaster, Jason

**Subject:** Re: Sabal Trail - Crevasse Pond Reroute (Wood Stork Rookery)

Jason,

Can you send me a screen shot of the reroute with the three known colonies(1,2,&7) inlayed into the same frame? It's hard to tell if the reroute will disrupt #7 by interpretation of the aerial and topo alone.

Also, What is the cost and material difference to extend the reroute closer to the 1300' buffer?

Thanks,

David

On Tue, Apr 29, 2014 at 11:53 AM, Lancaster, Jason <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)> wrote:

David and Sandy,

Sabal Trail has proposed a reroute around the Wood Stork Rookery at Crevasse Pond. I've attached an aerial photograph and USGS quadrangle excerpt that illustrates the original route and the proposed reroute.

The original route would have crossed Crevasse Pond. The reroute avoids the pond and therefore direct impacts to the Wood Stork Rookery. As we discussed, the reroute would cross the 1300-ft primary buffer but construction would be restricted to the non-nesting season (August-February). Note this is a requested change from the 1300-ft avoidance requirements supplied by your office via email on April 8, 2014. All other requirements will be followed including, a biological observer during construction, burying the pipeline deep enough to allow continued agricultural use, and restrictions on herbicide and pesticide use for pipeline maintenance.

Please let me know if this reroute and change to the avoidance requirements is acceptable to the USFWS or if there are any additional requirements.

Sincerely,

Jason Sean Lancaster

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Senior Biologist



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**Sent:** Monday, April 07, 2014 5:06 PM  
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**Cc:** Colleen M. Reilly; Jamey Hollingsworth  
**Subject:** Cravasse Pond Photos

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David Caldwell

Fish and Wildlife Biologist

US Fish and Wildlife Service

Ecological Services Division

706-544-6253

[david\\_caldwell@fws.gov](mailto:david_caldwell@fws.gov)

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**From:** Jason Dickey  
**To:** "[Abbott, Sandy](#)"  
**Cc:** [Stephanie L. Fidler](#); [Jason Lancaster \(JLancaster@trcsolutions.com\)](#); [Jamey Hollingsworth](#)  
**Subject:** RE: Sabal Trail Proposed Mussel Survey - Review Requested  
**Date:** Wednesday, June 11, 2014 12:00:00 PM

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Sure, I'll prepare a list for your review; stay tuned. I have spoken with Matt from the Daphne office and he is reviewing the same report that I sent to you yesterday. Thank you,

**R. Jason Dickey**  
PROJECT SCIENTIST  
CARDNO ENTRIX

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Address 2420 Lakeshore Drive Suite 100, Tallahassee, FL 32312 USA  
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**From:** Abbott, Sandy [mailto:[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]  
**Sent:** Wednesday, June 11, 2014 11:49 AM  
**To:** Jason Dickey  
**Cc:** Stephanie L. Fidler; Jason Lancaster (JLancaster@trcsolutions.com); Jamey Hollingsworth  
**Subject:** Re: Sabal Trail Proposed Mussel Survey - Review Requested

Jason,

can you please provide me with a list of stream crossings that will be open trenched but will not be surveyed based upon your field observations. Also, the crossing in Alabama should be coordinated through our Daphne Ecological Services Field Office. I have no say over those since they are not in my assigned work area.

The survey methods and timing of these surveys follows our guidelines, so we have no issues related to that. Once I receive and review the information requested in the paragraph above, I can comment on the location factor as well.

Thank you,

Sandy Abbott  
USFWS  
West GA Ecological Services Field Office  
706-544-7518

P.S. Jason, yesterday you called me on one of the other biologists phone line, the number I have listed above is a direct line to my desk.

On Tue, Jun 10, 2014 at 3:45 PM, Jason Dickey <[jason.dickey@cardno.com](mailto:jason.dickey@cardno.com)> wrote:  
Sandy,

On January 6<sup>th</sup>, 2013 you provided comment to Stephanie Fidler regarding a compiled list of federally- and state-listed species potentially occurring along the proposed Sabal Trail Project corridor; your response is included in the email chain below. We incorporated your revisions into

our tiered approach for identifying locations for species-specific surveys. This approach considered all perennial stream crossings where open-cut crossing is being proposed along the proposed corridor and included extensive GIS aerial interpretation, consideration of Critical Habitat, review of state historic records and museum collections (*e.g.*, Auburn University Natural History Museum), and even reconnaissance visits to numerous crossings to form an on-the-ground opinion as to whether habitat might be supportive of target species.

The attached report is a supplement to the Sabal Trail Pipeline Field SOP (Field SOP) that you had previously reviewed. This report details the additional review mentioned above and also provides a list of the open-cut crossings in Georgia and Alabama where we are proposing qualitative mussel surveys. These include:

- Little Uchee Creek (Lee County, AL; 32.53884 -85.27190),
- Halawakee Creek (Lee County, AL; 32.70783 -85.27352), and
- Mossy Creek (Terrell County, GA; 31.85151 -84.41409).

Our proposed survey methods remain consistent with those proposed in the Field SOP which is based on the regional protocol that you co-authored (Carlson et al. 2008). To briefly summarize, we are proposing the PSA to extend 100 meters upstream and 300m meters downstream from the approximately 300-ft (~91 m) environmental right-of-way, for a total of 400-meters surveyed at each crossing. We propose to conduct these surveys during June – October, weather permitting. I possess an active federal 10(1)a permit for listed mussels of the ACF basin, as well as scientific collection permits for Alabama and Georgia, and I will be leading the survey effort and providing field identification. We do not intend to tag any RTE species that we encounter, but we have the ability to do so (Vinyl or PIT) should you require it. All RTE mussel individuals will be identified to species, photographed, measured for length (mm), and properly re-bedded at the approximate point of collection. All other native, non-RTE mussels will be identified to species and enumerated and a representative of each species will be photographed before being released.

We are requesting concurrence from USFWS that our proposed survey methods, timing, and locations are appropriate for determining presence/absence of RTE mussel species along the Sabal Trail Project Corridor in Georgia and Alabama.

Please do not hesitate to contact me with any questions during your review.

Sincerely,

**R. Jason Dickey**  
PROJECT SCIENTIST  
CARDNO ENTRIX

Mobile (+1) 850-508-4554

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---

**From:** Abbott, Sandy [[mailto:sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]  
**Sent:** Monday, January 06, 2014 9:14 AM  
**To:** Stephanie L. Fidler  
**Subject:** Re: Sabal Trail Comprehensive Species Protocol- Review Requested

Stephanie,

I have a few more counties to add to a few mussels.

*Anodontoides radiatus* – Lee, Terrell, Webster

*Elliptio arctata* –Dougherty, Lee, Mitchell, Terrell, Webster – arctata was also found in Lowndes Co. (right on the boarder of FL) very near Brooks Co., just downstream on the Withlacoochee.

*Elliptioideus sloatianus* – Dougherty, Lee, Mitchell

*Villosa villosa* – Dougherty, Lee, Terrell – villosa was also found in Lowndes Co.

Thanks!  
Sandy Abbott  
USFWS

On Mon, Dec 9, 2013 at 5:30 PM, Stephanie L. Fidler <[stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com)> wrote:

Thank you all for taking the time to meet with us. The Sabal Trail Project has the potential to affect a number of plant and animal species that are listed and regulated to varying degrees by the U.S. Fish & Wildlife Service (USFWS) and agencies in the States of Alabama, Georgia, and Florida. In pre-application meetings held in October and November, Sabal Trail proposed the following tiered approach to evaluating the potential effects of the Project on these species. First, from publically available sources, Sabal Trail developed the attached summary table of federal and state-listed species that may potentially occur within the Project area along with key geographical and ecological attributes of each species (Table 1). We are requesting concurrence from the USFWS and the respective State agencies that the species list and information in Table 1 (described in detail below) is complete and accurate, and, if not, to please provide applicable updates based upon your most recent data.

Table 1 summarizes by major taxonomic groups: the species (common and scientific name), listing status (USFWS and the three States), counties where the species is known or suspected to be present, preferred habitats and likelihood of occurrence in the Project area, known survey windows, lead USFWS office if appropriate, notes, and general source(s) of the data. In Florida and Alabama, only federally listed plant species are included in Table 1, as the state laws either do not list plants or only regulate their commercial exploitation. In Georgia, all federally listed plant species and those state listed plant species anticipated to occur on state lands are included in Table 1, as most state laws regarding listed plants do not apply to private lands.

Based on the assumption that agency concurrence will be forthcoming with only minor changes to Table 1, Sabal Trail proposes to use this list as the baseline document to develop species-specific survey protocols for the Project. Where appropriate, protocols would be developed for groups of species, e.g., surveys for colonially nesting wading

birds. All protocols would cite the best available scientific and commercial survey methods, including any daily, seasonal or weather restrictions and recommendations; survey frequency; specific habitats or counties requiring surveys; and the QA/QC procedures that will be employed to ensure the accuracy and adequacy of the surveys. If the action area for a species extends beyond the Project footprint (e.g., bald eagle nests within 660 feet of project), the action area for surveys will be defined. Sabal Trail anticipates submitting the draft survey protocols for review and written concurrence in January 2014 with limited surveys to be initiated in late February-early March 2014 (e.g., bald eagle nests, Florida sand skink surveys). All listed species surveys are anticipated to be completed with one year. Upon completion of the surveys, reports will be submitted documenting the results and initiating additional consultation with the agencies should avoidance and or impact mitigation measures be required.

Please reply all to this email with your comments or questions or feel free to contact Jason Lancaster or myself. Let us know if we should include other staff from your respective agency on this effort. We look forward to hearing from you all.

Jason Sean Lancaster  
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Senior Biologist  
[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)



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**From:** Jason Dickey  
**To:** "Abbott, Sandy"  
**Cc:** Stephanie L. Fidler; Jason Lancaster (JLancaster@trcsolutions.com); Jamey Hollingsworth  
**Subject:** RE: Sabal Trail Proposed Mussel Survey - Review Requested  
**Date:** Tuesday, July 22, 2014 3:17:00 PM

Hi Sandy,

The table below lists all perennial crossings in Georgia that are proposed to be open trenched but not surveyed based on our review. A determination of perennial vs. non-perennial was based on the National Hydrography Dataset (GIS), USGS Topo Quads, and field observations by our environmental staff.

Daphne has provided concurrence on our proposed locations/methods in Alabama and we are gearing up to perform those surveys next month.

Please don't hesitate to contact me with any questions. Thank you,

Ps – I'll see you at the Jones Center next week if you're planning to attend this year's ACF ID workshop.

WATERBODY	COUNTY	Latitude	Longitude	POSSIBLE RANGE OCCURRENCE	COMMENTS
Clyatt Mill Creek	Lowndes	30.68208	-83.32824	<i>Elliptio arcata</i> <i>Villosa villosa</i>	Significant agricultural impact (row-crop, cattle access) within immediate watershed. Presence of <i>Villosa villosa</i> is possible but unlikely. Presence of <i>Elliptio arcata</i> is unlikely.
Tiger Creek	Lowndes	30.77897	-83.44462	<i>Elliptio arcata</i> <i>Villosa villosa</i>	Short stream segment between Withlacoochee River and a sizeable lentic wetland. Presence of <i>Villosa villosa</i> is possible but unlikely. Presence of <i>Elliptio arcata</i> is unlikely.
Little Creek	Brooks	30.92076	-83.59572	<i>no RTE mussels</i>	Landuse mixture of silviculture & forest-natural.
Little Creek	Brooks	30.95141	-83.62185	<i>no RTE mussels</i>	Landuse mixture of silviculture & forest-natural.
Hog Creek	Colquitt	31.06897	-83.71680	<i>Elliptio purperella</i>	Watershed mostly natural forest with some agriculture. Habitat appears suitable for mussels but presence of <i>Elliptio purperella</i> unlikely due to stream's position within known range.
Unnamed Headwater Trib to Ochlockonee River	Colquitt	31.15546	-83.84629	<i>Elliptio purperella</i>	Headwater reach, possibly intermittent. Manmade impoundments upstream. Wetland slough downstream. Presence of <i>E.purperella</i> unlikely.
Little Creek	Colquitt	31.19089	-83.89162	<i>Elliptio purperella</i>	Immediate watershed mix of agriculture and wetland forest. USGS topo labels this stream segment as intermitten but National Hydrography Dataset (NHD) considers it perennial. Unlikely to support <i>Elliptio purperella</i> .
Dry Creek (Headwater)	Dougherty	31.46262	-84.09473	<i>Elliptio arcata</i> <i>Elliptio purperella</i>	Headwater reach, possibly intermittent. Watershed use dominated by silviculture and row-crop ag. Presence of either species is possible but unlikely.
Cooleewahee Creek	Dougherty	31.56719	-84.27471	<i>Elliptio arcata</i> <i>Elliptio purperella</i>	Located amidst a highly degraded section marked by severe cattle access. Proposed corridor follows pre-existing pipeline cut.
Unnamed Tributary to Clear Creek	Stewart	32.01720	-84.67213	<i>no RTE mussels</i>	Immediate outfall of manmade impoundment. Otherwise located in extreme headwater portion of unnamed tributary. Presence of either species is

					unlikely.
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Pataula Creek	Stewart	32.03166	-84.70163	<i>no RTE mussels</i>	RTE fish survey proposed
Unnamed Tributary to Pataula Creek	Stewart	32.04324	-84.71546	<i>no RTE mussels</i>	Headwater tributary to Pataula Creek. High-gradient
Hodchodkee Creek	Stewart	32.06722	-84.76577	<i>no RTE mussels</i>	RTE fish survey proposed
Frog Bottom Creek	Stewart	32.10014	-84.82321	<i>no RTE mussels</i>	RTE fish survey proposed
Unnamed Trib to Hannahatchee Creek - 1	Stewart	32.15080	-84.91640	<i>no RTE mussels</i>	Heavy cattle access
Unnamed Trib to Hannahatchee Creek - 2	Stewart	32.15114	-84.91923	<i>no RTE mussels</i>	Heavy cattle access
Unnamed Trib to Hannahatchee Creek - 3	Stewart	32.16724	-84.94189	<i>no RTE mussels</i>	Extreme headwater reach, possibly intermittent. High-gradient. Landuse mixture of silviculture & pasture.
Unnamed Trib to Chattahoochee	Stewart	32.16724	-84.94819	<i>no RTE mussels</i>	Headwater reach. High-gradient. Landuse mixture of silviculture & forest-natural.

## R. Jason Dickey

PROJECT SCIENTIST  
CARDNO ENTRIX

Mobile (+1) 850-508-4554

Address 2420 Lakeshore Drive Suite 100, Tallahassee, FL 32312 USA

Email [jason.dickey@cardno.com](mailto:jason.dickey@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

**From:** Abbott, Sandy [mailto:[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]

**Sent:** Wednesday, June 11, 2014 11:49 AM

**To:** Jason Dickey

**Cc:** Stephanie L. Fidler; Jason Lancaster (JLancaster@trcsolutions.com); Jamey Hollingsworth

**Subject:** Re: Sabal Trail Proposed Mussel Survey - Review Requested

Jason,

can you please provide me with a list of stream crossings that will be open trenched but will not be surveyed based upon your field observations. Also, the crossing in Alabama should be coordinated through our Daphne Ecological Services Field Office. I have no say over those since they are not in my assigned work area.

The survey methods and timing of these surveys follows our guidelines, so we have no issues related to that. Once I receive and review the information requested in the paragraph above, I can comment on the location factor as well.

Thank you,

Sandy Abbott  
USFWS  
West GA Ecological Services Field Office  
706-544-7518

P.S. Jason, yesterday you called me on one of the other biologists phone line, the number I have listed above is a direct line to my desk.

On Tue, Jun 10, 2014 at 3:45 PM, Jason Dickey <[jason.dickey@cardno.com](mailto:jason.dickey@cardno.com)> wrote:

Sandy,

On January 6<sup>th</sup>, 2013 you provided comment to Stephanie Fidler regarding a compiled list of federally- and state-listed species potentially occurring along the proposed Sabal Trail Project corridor; your response is included in the email chain below. We incorporated your revisions into our tiered approach for identifying locations for species-specific surveys. This approach considered all perennial stream crossings where open-cut crossing is being proposed along the proposed corridor and included extensive GIS aerial interpretation, consideration of Critical Habitat, review of state historic records and museum collections (*e.g.*, Auburn University Natural History Museum), and even reconnaissance visits to numerous crossings to form an on-the-ground opinion as to whether habitat might be supportive of target species.

The attached report is a supplement to the Sabal Trail Pipeline Field SOP (Field SOP) that you had previously reviewed. This report details the additional review mentioned above and also provides a list of the open-cut crossings in Georgia and Alabama where we are proposing qualitative mussel surveys. These include:

- Little Uchee Creek (Lee County, AL; 32.53884 -85.27190),
- Halawakee Creek (Lee County, AL; 32.70783 -85.27352), and
- Mossy Creek (Terrell County, GA; 31.85151 -84.41409).

Our proposed survey methods remain consistent with those proposed in the Field SOP which is based on the regional protocol that you co-authored (Carlson et al. 2008). To briefly summarize, we are proposing the PSA to extend 100 meters upstream and 300m meters downstream from the approximately 300-ft (~91 m) environmental right-of-way, for a total of 400-meters surveyed at each crossing. We propose to conduct these surveys during June – October, weather permitting. I possess an active federal 10(1)a permit for listed mussels of the ACF basin, as well as scientific collection permits for Alabama and Georgia, and I will be leading the survey effort and providing field identification. We do not intend to tag any RTE species that we encounter, but we have the ability to do so (Vinyl or PIT) should you require it. All RTE mussel individuals will be identified to species, photographed, measured for length (mm), and properly re-bedded at the approximate point of collection. All other native, non-RTE mussels will be identified to species and enumerated and a representative of each species will be photographed before being released.

We are requesting concurrence from USFWS that our proposed survey methods, timing, and locations are appropriate for determining presence/absence of RTE mussel species along the Sabal Trail Project Corridor in Georgia and Alabama.

Please do not hesitate to contact me with any questions during your review.

Sincerely,

**R. Jason Dickey**  
PROJECT SCIENTIST  
CARDNO ENTRIX

Mobile (+1) 850-508-4554  
Address 2420 Lakeshore Drive Suite 100, Tallahassee, FL 32312 USA  
Email [jason.dickey@cardno.com](mailto:jason.dickey@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

---

**From:** Abbott, Sandy [[mailto:sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]  
**Sent:** Monday, January 06, 2014 9:14 AM  
**To:** Stephanie L. Fidler  
**Subject:** Re: Sabal Trail Comprehensive Species Protocol- Review Requested

Stephanie,

I have a few more counties to add to a few mussels.

Anodontoides radiatus – Lee, Terrell, Webster  
Elliptio arcata –Dougherty, Lee, Mitchell, Terrell, Webster – arcata was also found in Lowndes Co. (right on the boarder of FL) very near Brooks Co., just downstream on the Withlacoochee.  
Elliptioideus sloatianus – Dougherty, Lee, Mitchell  
Villosa villosa – Dougherty, Lee, Terrell – villosa was also found in Lowndes Co.

Thanks!  
Sandy Abbott  
USFWS

On Mon, Dec 9, 2013 at 5:30 PM, Stephanie L. Fidler <[stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com)> wrote:  
Thank you all for taking the time to meet with us. The Sabal Trail Project has the potential to affect a number of plant and animal species that are listed and regulated to varying degrees by the U.S. Fish & Wildlife Service (USFWS) and agencies in the States of Alabama, Georgia, and Florida. In pre-application meetings held in October and November, Sabal Trail proposed the following tiered approach to evaluating the potential effects of the Project on these species. First, from publically available sources, Sabal Trail developed the attached summary table of federal and state-listed species that may potentially occur within the Project area along with key geographical and ecological attributes of each species (Table 1). We are requesting concurrence from the USFWS and the respective State agencies that the species list and information in Table 1 (described in detail below) is complete and accurate, and, if not, to please provide applicable updates based upon your most recent data.

Table 1 summarizes by major taxonomic groups: the species (common and scientific name), listing status (USFWS and the three States), counties where the species is known or suspected to be present, preferred habitats and likelihood of occurrence in

the Project area, known survey windows, lead USFWS office if appropriate, notes, and general source(s) of the data. In Florida and Alabama, only federally listed plant species are included in Table 1, as the state laws either do not list plants or only regulate their commercial exploitation. In Georgia, all federally listed plant species and those state listed plant species anticipated to occur on state lands are included in Table 1, as most state laws regarding listed plants do not apply to private lands.

Based on the assumption that agency concurrence will be forthcoming with only minor changes to Table 1, Sabal Trail proposes to use this list as the baseline document to develop species-specific survey protocols for the Project. Where appropriate, protocols would be developed for groups of species, e.g., surveys for colonially nesting wading birds. All protocols would cite the best available scientific and commercial survey methods, including any daily, seasonal or weather restrictions and recommendations; survey frequency; specific habitats or counties requiring surveys; and the QA/QC procedures that will be employed to ensure the accuracy and adequacy of the surveys. If the action area for a species extends beyond the Project footprint (e.g., bald eagle nests within 660 feet of project), the action area for surveys will be defined. Sabal Trail anticipates submitting the draft survey protocols for review and written concurrence in January 2014 with limited surveys to be initiated in late February-early March 2014 (e.g., bald eagle nests, Florida sand skink surveys). All listed species surveys are anticipated to be completed with one year. Upon completion of the surveys, reports will be submitted documenting the results and initiating additional consultation with the agencies should avoidance and or impact mitigation measures be required.

Please reply all to this email with your comments or questions or feel free to contact Jason Lancaster or myself. Let us know if we should include other staff from your respective agency on this effort. We look forward to hearing from you all.

Jason Sean Lancaster  
Certified Environmental Professional and Certified Ecologist  
Senior Biologist  
[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)



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Stephanie L. Fidler  
SENIOR CONSULTANT/PRINCIPAL  
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Email [stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

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**From:** [Lancaster, Jason](#)  
**To:** [Watson, Bonnie](#)  
**Subject:** Fwd: Sabal Trail Proposed Mussel Survey - Review Requested  
**Date:** Friday, August 22, 2014 8:52:37 AM  
**Attachments:** [image001.jpg](#)  
[image002.gif](#)

---

Bonnie please add to the USFWS files

Sent from my iPhone

Begin forwarded message:

**From:** Jason Dickey <[jason.dickey@cardno.com](mailto:jason.dickey@cardno.com)>  
**Date:** August 22, 2014 at 8:48:10 AM EDT  
**To:** "Stephanie L. Fidler" <[stephanie.fidler@cardno.com](mailto:stephanie.fidler@cardno.com)>, Jamey Hollingsworth <[jamey.hollingsworth@cardno.com](mailto:jamey.hollingsworth@cardno.com)>, Jason Lancaster <[JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)>  
**Subject:** Fwd: Sabal Trail Proposed Mussel Survey - Review Requested

FYI, concurrence from USFWS-GA.

R. Jason Dickey  
Senior Project Scientist  
Cardno ENTRIX

Sent from my iPhone

Begin forwarded message:

**From:** "Abbott, Sandy" <[sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)>  
**Date:** August 22, 2014 at 8:35:51 AM EDT  
**To:** Jason Dickey <[jason.dickey@cardno.com](mailto:jason.dickey@cardno.com)>  
**Subject:** Re: Sabal Trail Proposed Mussel Survey - Review Requested

Jason,

sorry this took so long. This just got lost in my emails. This list looks fine to me.

Sandy

On Thu, Aug 21, 2014 at 4:07 PM, Jason Dickey <[jason.dickey@cardno.com](mailto:jason.dickey@cardno.com)> wrote:

Hi Sandy, I'm just checking in to see if you'd had a chance to review the list of perennial crossings for which open cut is the proposed crossing (as opposed to directional drilling), but for which we are not proposing to conduct any mussel or fish surveys. Ultimately, we would like your concurrence that our proposed survey effort for rare/threatened/endangered mussels and fish in GA is suitable. I welcome any questions or comments that you may have. Please feel free to contact me at my mobile: 850-508-4554. Thank you,

**R. Jason Dickey**  
SENIOR PROJECT SCIENTIST

CARDNO ENTRIX

Mobile (+1) 850-508-4554  
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Email [jason.dickey@cardno.com](mailto:jason.dickey@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

**From:** Abbott, Sandy [[mailto:sandy\\_abbott@fws.gov](mailto:sandy_abbott@fws.gov)]  
**Sent:** Monday, July 28, 2014 8:40 AM  
**To:** Jason Dickey

**Subject:** Re: Sabal Trail Proposed Mussel Survey - Review Requested

Jason,

thanks for the list. I will be at the workshop for the field day on Thursday. I look forward to seeing you then.

Sandy

On Tue, Jul 22, 2014 at 3:17 PM, Jason Dickey <[jason.dickey@cardno.com](mailto:jason.dickey@cardno.com)> wrote:

Hi Sandy,

The table below lists all perennial crossings in Georgia that are proposed to be open trenched but not surveyed based on our review. A determination of perennial vs. non-perennial was based on the National Hydrography Dataset (GIS), USGS Topo Quads, and field observations by our environmental staff.

Daphne has provided concurrence on our proposed locations/methods in Alabama and we are gearing up to perform those surveys next month.

Please don't hesitate to contact me with any questions. Thank you,

Ps – I'll see you at the Jones Center next week if you're planning to attend this year's ACF ID workshop.

WATERBODY	COUNTY	Latitude	Longitude	POSSIBLE RANGE OCCURRENCE	COMMENTS
Clyatt Mill Creek	Lowndes	30.68208	-83.32824	<i>Elliptio arcata</i> <i>Villosa villosa</i>	Significant agricultural impact (row-crop, cattle access) within immediate watershed. Presence of <i>Villosa villosa</i> is possible but unlikely. Presence of <i>Elliptio arcata</i> is unlikely.
Tiger Creek	Lowndes	30.77897	-83.44462	<i>Elliptio arcata</i> <i>Villosa villosa</i>	Short stream segment between Withlacoochee River and a sizeable lentic wetland. Presence of <i>Villosa villosa</i> is possible but unlikely. Presence of <i>Elliptio arcata</i> is unlikely.
Little Creek	Brooks	30.92076	-83.59572	<i>no RTE mussels</i>	Landuse mixture of silviculture & forest-natural.
Little Creek	Brooks	30.95141	-83.62185	<i>no RTE mussels</i>	Landuse mixture of silviculture & forest-natural.
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**R. Jason Dickey**

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**To:** Jason Dickey

**Cc:** Stephanie L. Fidler; Jason Lancaster ([JLancaster@trcsolutions.com](mailto:JLancaster@trcsolutions.com)); Jamey Hollingsworth

**Subject:** Re: Sabal Trail Proposed Mussel Survey - Review Requested

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Sandy Abbott

USFWS

West GA Ecological Services Field Office  
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Please do not hesitate to contact me with any questions during your review.

Sincerely,

**R. Jason Dickey**  
PROJECT SCIENTIST  
CARDNO ENTRIX

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**Sent:** Monday, January 06, 2014 9:14 AM  
**To:** Stephanie L. Fidler  
**Subject:** Re: Sabal Trail Comprehensive Species Protocol- Review Requested

Stephanie,

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Elliptioideus sloatianus – Dougherty, Lee, Mitchell

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Thanks!

Sandy Abbott

USFWS

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Please reply all to this email with your comments or questions or feel free to contact Jason Lancaster or myself. Let us know if we should include other staff from your respective agency on this effort. We look forward to hearing from you all.

Jason Sean Lancaster

*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist

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**From:** [Lancaster, Jason](#)  
**To:** [Caldwell, David](#)  
**Cc:** [Watson, Bonnie](#); [Floyd, Brad](#); [GAMcLachlan@spectraenergy.com](mailto:GAMcLachlan@spectraenergy.com)  
**Subject:** STT-Sasser Alternative Shapefile  
**Date:** Friday, October 31, 2014 5:03:45 PM  
**Attachments:** [Sasser\\_Alternative.zip](#)

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David,

As requested, I've attached a zip file containing shapefiles of the Sasser Route Alternative described in the FERC October 15, 2014 letter.

Please let me know if you need anything else at this time.

I'll touch base with you next month following the submittal of the FERC Environmental Report and Species Survey Report.

Jason Sean Lancaster  
*Certified Environmental Professional and Certified Ecologist*  
Senior Biologist



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**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>	9/15/2014		
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	Lee Daniel / Deputy Engineering Director	<b>Name:</b>	Nicole Libby
<b>Agency/Organization:</b>	Albany City	<b>Office Location:</b>	Lowell, MA
<b>Phone No.:</b>	229-883-8330, ext. 613	<b>Phone No.:</b>	(508) 944-2102
<b>Subject of Call:</b>	Sabal Trail Transmission – Albany City Wellfield		
<b>Follow-up:</b>			
<b>Cc: (via email)</b>			

**Discussion:**

I called Mr. Daniel regarding construction of Sabal Trail in the vicinity of the Albany City well field. He has been in contact with Sabal Trail’s right-of-way agent for that area, Gil Norman, who provided Lee’s contact information. I asked Mr. Daniel if there were any City ordinances or codes for Sabal Trail to follow during construction of the pipeline in the area such as setbacks. Mr. Daniel said there were not really any as far as construction, it being a natural gas pipeline. Mr. Daniel said they would like Sabal Trail to be 200-300 feet from production wells, which they currently are. There is one sampling well that he thought was within 100 feet. Further research on the well location after the phone call identified the sampling well more than 300 feet from the pipeline.

Mr. Daniel said they currently maintain a 100 foot area around each wellhead with a fence and that they are required to do that, other than that he was not aware of any setbacks.

Mr. Daniel also mentioned the location of an underground power line, 20 feet of the south edge of the well field access road, which Sabal Trail is paralleling. He was not sure if this would be impacted by construction. Mr. Daniel said there is some room to move the access road and powerline, but not much, because of the wetlands located to the north which are part of the system (three vegetated bands on the aerial). I followed up the phone call with an email to Gil Norman regarding this, to see if he can confirm where the electric line is.

Mr. Daniel also mentioned he had discussed with Gil Norman that the City has plans for a water line to cross both Sabal Trail and the Dixie line. Gil and Mr. Daniel had discussed that the bore in this

**Telephone Contact Log**  
**Page 2 of 2**

area will likely be deep enough for this not to be a problem. Either way the City is aware that they will need to work with both of these lines during planning and construction of the water line.



**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>		<b>April 4, 2014</b>	
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	Marcia Studley, Zoning Administrator	<b>Name:</b>	Erin Degutis
<b>Agency/Organization:</b>	Lee County Planning and Zoning	<b>Office Location:</b>	Denver, Colorado
<b>Phone No.:</b>	(229) 759-6000	<b>Phone No.:</b>	(303) 395-4048
<b>Subject of Call:</b>	Request for Information		
<b>Follow-up:</b>			
<b>Cc: (via email)</b>			

**Discussion:**

Ms. Degutis spoke with Ms. Studley and inquired about the location of future, planned, or pending development in the project corridor or in the vicinity of the project corridor. Ms. Studley asked where the corridor is proposed in Lee County. Ms. Degutis emailed Ms. Studley an information request with the project map and a zipped file with the location of the project corridor.

Ms. Studley stated that her department does not have GIS, but the Lee County's tax assessor's office has GIS and she would provide assistance with the request.

Has not responded as of April 24, 2014.



**TELEPHONE CONTACT**  
**Sabal Trail Transmission, LLC**  
**Sabal Trail Project**

<b>Date of Conversation:</b>		<b>April 15, 2014</b>	
<b>Agency/Organization/Individual Contacted</b>		<b>Sabal Trail Project Representative</b>	
<b>Name / Title:</b>	Thomas E. Wade, Department Head	<b>Name:</b>	Erin Degutis
<b>Agency/Organization:</b>	Mitchell County Building and Zoning	<b>Office Location:</b>	Denver, Colorado
<b>Phone No.:</b>	(229) 336-2060	<b>Phone No.:</b>	(303) 395-4048
<b>Subject of Call:</b>		Request for Information	
<b>Follow-up:</b>		April 18, 2014 Email from T. Wade	
<b>Cc: (via email)</b>			

**Discussion:**

Ms. Degutis spoke with Mr. Wade regarding the location of planned or pending development within or adjacent to the project corridor and potable water resources. Mr. Wade inquired regarding the location of the project corridor in Mitchell County and Ms. Degutis emailed him a project map and zipped file of the project corridor.

Mr. Wade responded via email on April 18, 2014 and stated that there are no planned, pending, or future development projects near the proposed project corridor.

**From:** [mczoning](#)  
**To:** [Degutis, Erin](#); [BJPetitfills@spectraenergy.com](mailto:BJPetitfills@spectraenergy.com)  
**Subject:** RE: Information Request: Planned, Pending, Future Development & Potable Water Resources  
**Date:** Friday, April 18, 2014 9:58:15 AM

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4/18/14

Good Morning,

To Whom It May Concern:

According to the Mitchell County Building Departments records there are no planned, pending or future development projects near the purposed Sabal Trail Pipeline, the documentation for this proposed pipeline was sent to our office per TRC by Erin A. Dequstis.

Sincerely,  
*Thomas Wade*  
*Mitchell County Building & Zoning*  
*Administrator*

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**From:** Degutis, Erin [mailto:[EDegutis@trcsolutions.com](mailto:EDegutis@trcsolutions.com)]  
**Sent:** Tuesday, April 15, 2014 1:00 PM  
**To:** [mczoning@mitchellcountyga.net](mailto:mczoning@mitchellcountyga.net)  
**Subject:** Information Request: Planned, Pending, Future Development & Potable Water Resources

Hello Mr. Wade.

I am contacting you to inquire about planned or pending development in the vicinity of the proposed Sabal Trail Pipeline. I am also seeking information regarding the location of potable water wells, well fields, and wellshed protection areas in the vicinity of the proposed pipeline corridor. The information will help the team preparing the required environmental analysis and resource reports for submission to the Federal Energy Regulatory Commission (FERC).

I attached a PDF of the project corridor as well as a zipped file with the alignment, including the section that crosses Mitchell County.

Please let me know if I can provide additional information or assistance. I can be contacted directly at 303.395.4048 or via email at [edegutis@trcsolutions.com](mailto:edegutis@trcsolutions.com)

Kindest regards,  
Erin A. Degutis, RLA, AICP, LEED AP  
Senior Project Manager  
Planning, Permitting, and Licensing Practice



1526 Cole Boulevard, Suite 150, Lakewood, CO 80401  
T: 303.395.4048 | F: 303.792.0122 | C: 720.315.1144

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**From:** [Gerald Mixon](#)  
**To:** [Degutis, Erin](#)  
**Subject:** RE: Information Request: Planned, Pending, and Future Development & Potable Water Resources  
**Date:** Tuesday, April 15, 2014 11:38:46 AM

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I will not be able to devote any time to your request until Wednesday or Thursday.

Gerald Mixon

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**From:** Degutis, Erin [mailto:EDegutis@trcsolutions.com]  
**Sent:** Tuesday, April 15, 2014 1:07 PM  
**To:** Gerald Mixon  
**Subject:** Information Request: Planned, Pending, and Future Development & Potable Water Resources

Hello Mr. Mixon.

I am contacting you to inquire about planned or pending development in the vicinity of the proposed Sabal Trail Pipeline. I am also seeking information regarding the location of potable water wells, well fields, and wellshed protection areas in the vicinity of the proposed pipeline corridor. The information will help the team preparing the required environmental analysis and resource reports for submission to the Federal Energy Regulatory Commission (FERC).

I attached a PDF of the project corridor as well as a zipped file with the alignment, including the section that crosses Stewart and Webster Counties.

Please let me know if I can provide additional information or assistance. I can be contacted directly at 303.395.4048 or via email at [edegutis@trcsolutions.com](mailto:edegutis@trcsolutions.com)

Kindest regards,  
Erin A. Degutis, RLA, AICP, LEED AP  
Senior Project Manager  
Planning, Permitting, and Licensing Practice



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