



# Environmental Resource Solutions

A Division of SES Energy Services LLC

---

12 May 2021

Mr. Lee Thompson  
H&T Consultants, Inc.  
9310 Old Kings Road South, Suite 1001  
Jacksonville, FL 32257

**RE: Discount Tire – Yulee  
Wetland and Wildlife Assessment  
Nassau County, Florida  
ERS Job No. 21111**

Dear Mr. Thompson:

Environmental Resource Solutions (ERS), a division of SES Energy Services LLC, performed a wetland and wildlife assessment of the 2.72-acre± property located at 464069 SR 200 Nassau County, Florida (Exhibit 1). The purpose of the assessment was to delineate any on-site jurisdictional wetlands, document all on-site habitats, and conduct a preliminary listed wildlife species assessment.

The on-site vegetative communities/land uses were classified using the Florida Department of Transportation (FDOT) Florida Land Use, Cover and Forms Classification System (FLUCFCS, 1999). Please see Exhibit 2 for the approximate limits of the on-site vegetative communities/land uses.

## **Uplands**

The majority of on-site uplands are maintained as an open grassed area (FLUCFCS 190; Open Land) dominated by Bahiagrass (*Paspalum notatum*) and St. Augustine grass (*Stenotaphrum secundatum*), with scattered live oak (*Quercus virginiana*), and cabbage palm (*Sabal palmetto*).

## **Wetlands and Surface Waters**

No wetland communities were observed within the subject parcel. A storm water pond (FLUCFCS 534; Reservoirs less than 10 acres) is located along the northern property boundary.

On-site swales exist within the interior of the property. These areas are regularly maintained and have sharp boundaries. Swales are not jurisdictional for St. Johns River Water Management District (SJRWMD), Florida Department of Environmental Protection (FDEP), or U.S. Army Corps of Engineers (USACE), therefore proposed impacts to swales do not require mitigation.

## **Preliminary Listed Species Survey**

A preliminary survey for faunal species listed as endangered, threatened, or of special concern by the U.S. Fish and Wildlife Service (FWS) and/or the Florida Fish and Wildlife Conservation Commission (FWC) was conducted

---

Environmental Resource Solutions

A Division of SES Energy Services LLC

3550 St. Johns Bluff Road South, Jacksonville, Florida 32224

T: (904) 285-1397, F: (904) 285-1929

Email: [mail@ersenvironmental.com](mailto:mail@ersenvironmental.com)

for the proposed project. The listed species survey also included the identification and mapping of habitat suitable for protected fauna.

In preparation for the field inspection, a Geographic Information System (GIS) database search and map review was conducted for the project site and surrounding areas for the occurrence of protected species or their habitat. Data compiled by the Florida Natural Areas Inventory (FNAI), which contains documented occurrences of species listed by FWS and/or FWC, were reviewed. Attention was focused on those species listed by FWC (Chapter 68A-27 F.A.C.) and FWS (50 CFR 17.11-12). The data used to search for documented occurrences listed by FWC and FWS is updated regularly to ensure accuracy.

The GIS databases indicate no occurrences of protected species within the site. Documented occurrences of listed species proximal to the site are depicted on Exhibits 3 & 4.

A field review of the site was conducted on 10 May 2021. Surveys for terrestrial listed species began with the identification of suitable habitat. For these species, suitable or near-suitable habitats were located and representative pedestrian transects were traversed. Field surveys were completed within the constraints of the project schedule and may not have coincided with the optimal conditions for each species (seasonal movements, nesting times, flowering periods, etc.). The field survey was conducted by a trained biologist using visual and aural methods. Wildlife species were identified by burrows, scat, shed skins, tracks, sightings, and distinctive calls. Trapping, netting, drift fence surveys, and night surveys were not conducted.

Neither state- or federally-listed fauna, nor their sign (e.g., scat, footprints, burrows, nests, etc.), were observed during the field surveys. Additionally, no critical habitat for listed species was observed within the project area. The property is bounded by roads and development, therefore wildlife access is limited. It is the opinion of ERS that the proposed project will not adversely impact state- or federally-listed species or their critical habitat.

Please feel free to contact me if you have any questions regarding this project.

Sincerely,

**ENVIRONMENTAL RESOURCE SOLUTIONS**  
*A Division of SES Energy Services LLC*



Jonathan Summerfield, PWS  
Senior Environmental Scientist

JDS/21111\_DiscountYulee\_5-12-21

# LEGEND

 Approximate Project Area - 2.72 ac.±

Project Area

Section: 25  
Township: 2 North  
Range: 28 East

SJRWMD Mitigation Basin: 2

Lat: 30° 37' 21.47" N (30.622630 dd)  
Long: 81° 31' 51.14" W (-81.530871 dd)

0 2,000'



**Environmental  
Resource Solutions**  
A Division of SES Energy Services LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224  
(904) 285-1397 • [www.ersenvironmental.com](http://www.ersenvironmental.com)

Source: 7.5' USGS Amelia City, Fernandina Beach, Hedges, & Saint Marys, FL Topographic Quadrangles; ArcGIS Online (USA Topo Maps)

Discount Tire - Yulee  
USGS Topographic  
Quadrangle Map

Nassau County, Florida

By: MEF

Project No.: 21111

Exhibit No.: 1

Date: 5-11-21

Rev. Date:



X:\2021\21111\graphics\mxd\21111\_location\_5-11-21.mxd

# LEGEND

- Approximate Project Area - 2.72 ac.±
- Approximate Swale Location
- Approximate Surface Water Boundary

# FLUCFCS LEGEND

- 190 - Open Land
- 534 - Reservoirs less than 10 acres

Cessna Dr

534

190

190

NOTE: Depicted surface water and swale boundaries are approximate, based on aerial interpretation and field verification. This map is intended to be used for preliminary purposes only.

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0 100'



**Environmental  
Resource Solutions**  
A Division of SES Energy Services LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224  
(904) 285-1397 • [www.ersenvironmental.com](http://www.ersenvironmental.com)

Source: ArcGIS Online Imagery

## Discount Tire Site - Yulee Wetland Flagging Map

Nassau County, Florida

By: MEF

Project No.: 21111

Exhibit No.: 2






Date: 5-11-21

Rev. Date:



X:\2021\21111\graphics\mxd\21111\_WetlandFlagging\_5-11-21.mxd

# LEGEND

-  Approximate Project Area
-  Wading Bird Rookery Locations (FWC, 1999)
-  Georgia Wood Stork Nesting Colony (2016)
-  Wood Stork Nesting Colony Locations (USFWS, 2019)
-  Wood Stork Core Foraging Areas (USFWS, 2016)

Note: Georgia wood stork nesting colony is approximately 7.6 miles North of project site (USFWS, 2016).

Wood Stork Nesting Colony, associated with this Core Foraging Area, is located in Georgia. Digital data for the nest location is not available.

Nearest Wading Bird Rookery Location  
4.0 miles ± South of Project Area  
Last Active in 1980s FWC rookery survey

Project Area

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

0 4 Miles



**Environmental Resource Solutions**  
A Division of SES Energy Services LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224  
(904) 285-1397 • [www.ersenvironmental.com](http://www.ersenvironmental.com)

Source: USFWS, FDEP, FWC, FNAI, USGS, ArcGIS Online Data (World Street Map)

**Discount Tire - Yulee**  
**Documented Occurrences**  
**of Wading Bird Rookeries and**  
**Wood Stork Nesting Colonies/CFA's**

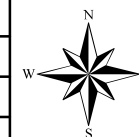
By: MEF

Project No.: 21111

Exhibit No.: 3

Date: 5-12-21

Rev. Date:



X:\2021\21111\graphics\mxd\21111\_13mile\_5-12-21.mxd

# LEGEND

- Approximate Project Area
- 5 Mile Radius of Project Area
- ✈ Bald Eagle Nest Locations (FWC, 2017)
- FNAI Occurrences of Protected Wildlife (May 2018)
- (Documented Observation Date; Distance from Site)
- 🐢 Eastern Indigo Snake (Post-1970; 3.7 miles)
- 🐢 Gopher Tortoise (No Date; 3.2 miles)
- 🦅 Little Blue Heron (1988; 4.0 miles)
- 🐬 West Indian Manatee (1988; 4.1 miles)
- 🦅 Wood Stork (1988; 3.0 miles)

Closest documented bald eagle nest is FWC Nest ID# NA001, approx. 1.2 miles South of site, last documented as active in 2013.

Note: The following databases showed no documented occurrences and/or coverage within the 5-mile radius:

1. Red Cockaded Woodpecker Occurrences (FWC, 2017)
2. Scrub Jay Occurrences (FWC, 1994)
3. Scrub Jay Habitat (FWC, 2004)
4. Sea Turtle Strandings (FWC, 2017)

Esri, HERE, Garmin, (c) OpenStreetMap contributors, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0 2 Miles



**Environmental  
Resource Solutions**  
A Division of SES Energy Services LLC

3550 St. Johns Bluff Rd S • Jacksonville, FL 32224  
(904) 285-1397 • [www.ersenvironmental.com](http://www.ersenvironmental.com)

Source: USFWS, FDEP, FWC, FNAI, USGS, ArcGIS Online Imagery

Discount Tire - Yulee  
Documented Occurrences of  
Protected Wildlife within 5 Miles

By: MEF

Project No.: 21111

Exhibit No.: 4

Date: 5-12-21

Rev. Date:



X:\2021\21111\graphics\mxd\21111\_5mile\_5-12-21.mxd