April 23, 2025

Mr. Nate Senn
DWRM Siting Coordination Office
Florida Department of Environmental Protection
2600 Blairstone Road, MS 5500
Tallahassee, FL 32399-2400

RE: **SEMINOLE ELECTRIC COOPERATIVE, INC.**
SGS - JEA 230-kV TRANSMISSION LINE (TA 90-08)
POST-CERTIFICATION AMENDMENT
TRANSMISSION LINE UPGRADE EXEMPTION VERIFICATION REQUEST

Dear Mr. Senn,

Seminole Electric Cooperative, Inc. (Seminole) is requesting a post-certification amendment to replace two-hundred and sixty structures within the 70-mile certified Seminole and Jacksonville Electric Authority (JEA) Seminole Plant-Keystone-JEA Firestone 230 kV transmission line (TA 90-08). The post-certification amendment to the Site Certification is being requested pursuant to Section 403.5113(1)(a) Florida Statutes (F.S.) and Rule 62-17.205(1) Florida Administrative Code.

The Project involves replacement of aging Corten steel transmission structures with new galvanized steel structures, to be installed within 10 feet of the existing structures utilizing construction matting for access where necessary to avoid wetland impacts. A temporary bridge will be installed over the North Fork of Double Branch Creek where access to the right-of-way has been blocked due to adjacent residential development and expansion of State Road 23.

The Project has been designed in compliance with Environmental Resource Permit exemptions 62-330.051(14)(d) and 62-330.051(7)(f). No wetland or surface water fill, canopy clearing, structure pads, or access roads are proposed. Approximately 19.95 acres of temporary construction matting will be utilized for access within wetlands. The temporary bridge will span the width of the creek; no in-water work is proposed. Prior to construction, erosion and sediment controls will be installed to avoid discharge of erosional materials outside of the work area.

The enclosed Request for Verification of an Exemption includes a description of the proposed Project, baseline environmental information, and construction drawings. The request is concurrently being submitted under separate cover to the FDEP Northeast District for review. Should you have any questions regarding this submittal, please feel free to contact me at 813-963-0994, ext.1281 or mlee@seminole-electric.com. We look forward to working with the Department on this Project.

Sincerely,

Michael W. Lee

Michael Lee
Senior Environmental Regulatory Specialist
Seminole Electric Cooperative, Inc.
Enclosure

Request for Verification of an Exemption

Instructions: This form is used to request verification whether an activity qualifies for an exemption from the Environmental Resource Permit (ERP) requirements of Sections 373.406 or 403.813(1) of the Florida Statutes (F.S.) and Rule 62-330.051 of the Florida Administrative Code (F.A.C.); and from the State 404 Program requirements of Rule 62-331, F.A.C. Alternatively, you can use the on-line self-certification site of the applicable Agency for activities that qualify for a self-certification (see below).

Notice is **not required** to conduct most exempt activities. However, verification of such qualification is helpful for the following reasons:

- Certain projects in retained waters may qualify for the State Programmatic General Permit (SPGP). If the project qualifies for and receives SPGP authorization, you do not need to apply separately to the Corps; and
- To provide assurance to persons who are unsure whether the requested work qualifies for an exemption. If it does not, the information provided will expedite the process of applying for the applicable ERP and/or State 404 Program permit.

Prior notice to the Agency **is required** before conducting one or more of the following:

- Activities having minimal impact under Section 373.406(6), F.S., often referred to as a "*de minimis*" exemption.
- Maintenance dredging under Section 403.813(1)(f), F.S., and paragraph 62-330.050(7)(a), F.A.C., when the dredging is within previously dredged portions of natural water bodies within drainage rights-of-way or drainage easements which have been recorded in the public records of the county.
- The repair, stabilization, or paving of existing county-maintained roads and the repair or replacement of bridges that are part of the roadway under Section 403.813(1)(t), F.S., and paragraph 62-330.050(4)(e), F.A.C.
- Removal by an individual, residential property owner of organic detrital material from freshwater rivers or lakes that have a natural sand or rocky substrate and that are not located in an Aquatic Preserve under Section 403.813(1)(u), F.S., and paragraph 62-330.050(3)(b), F.A.C.
- Maintenance dredging at seaports under Section 403.813(3), F.S., and paragraph 62-330.050(7)(g), F.A.C.
- Minor silvicultural surface water management systems under Rule 62-330.0511, F.A.C. (Note—do not use THIS form for that notice; instead use the procedures in Rule 62-330.0511, F.A.C.)
- Dry borrow pits of less than five acres located entirely in uplands in accordance with subsection 62-330.051(16), F.A.C.

Exempt activities on state-owned submerged lands (SSL), other than those excepted in paragraph 18-21.0051(1)(a), F.A.C., must also be authorized by the Board of Trustees of the Internal Improvement Trust Fund (BOT). Authorization to use SSL is not linked with regulatory exemptions; therefore, it is possible to qualify for a regulatory exemption, yet not be authorized to conduct the activity until the separate SSL authorization is granted. If an activity may be located in, on, or over SSL, we recommend completing Section F of the Environmental Resource Permit Application form.
Requests to "self-certify" a private, single-family dock or a boat lift associated with such a dock must be submitted to the Department's Internet site at: http://www.fldepportal.com/go/ and CANNOT be made using this form. However, requests to verify construction of a dock or boat lift that does not qualify for self-certification may be made using this form.

Any submittal requesting verification of an exemption must also include:

- Location map(s) of sufficient detail to allow someone who is unfamiliar with the site to travel to and locate the specific site of the activity.
- One set of plans and drawings, calculations, environmental information, and other supporting documents that clearly and legibly depict and describe the proposed activities in sufficient detail to demonstrate that the work qualifies for the exemption.
- The required fee.

We recommend contacting your local Corps district office if your project is not within state-assumed waters regulated under Chapter 62-331, F.A.C., does not qualify for the State Programmatic General Permit (SPGP), and you are not sure whether the project requires separate Corps authorization. If Corps authorization is required, you will need to submit the appropriate federal application form separately to the Corps. Corps contact information may be found online in the Jacksonville District Regulatory Division website.

Please identify the exemption(s) you are requesting to use:

☒ Subsection/Paragraph **62-330.051(14)(d),** F.A.C.
☐ Section 373.406(6), F.S. (known as the "*de minimis*" exemption — see section 3.2.7(c) of Applicant's Handbook Volume I for additional information)
☐ Section 373.406( ), F.S.
☐ Section 373.4145(6)( ), F.S. (for certain "grandfathered" activities in the Panhandle of Florida)
☐ Section 403.813(1)( ), F.S. (generally, "dredge and fill" exemptions)
☐ 40 CFR § 232.3(c)( ) (State 404 Program exemptions incorporated in 62-331.020, F.A.C.)
☐ I do not know the exemption number

Please provide numbers for additional or other exemptions if you are requesting to use more than one in one of the above list categories: **62-330.051(7)(f)**

Part 1: General Information

A. Contact

Last Name: **Lee** First Name: **Michael** Middle:

Title: **Senior Environmental Regulatory Specialist** Company: **Seminole Electric Cooperative, Inc.**

Address: **16313 N. Dale Mabry Hwy**

City: **Tampa** State: **FL** Zip: **33618**

Home Telephone: Work Telephone: **813-963-0994 x1281**

Cell Phone:

E-mail Address: **mlee@seminole-electric.com**

Correspondence will be sent via email, unless you check here to receive it via US Mail:☐

B. Land Owner(s) (if different or in addition to contact identified above)

Last Name: First Name: Middle:

Title: Company:

Address:

City: State: Zip:

Home Telephone: Work Telephone:

Cell Phone:

E-mail Address:

Correspondence will be sent via email, unless you check here to receive it via US Mail:☐

C. Consultant/Agent (if different or in addition to contact identified above)

Last Name: **Bullock** First Name: **Karl** Middle:

Title: **Principal Project Manager** Company: **SWCA Environmental Consultants**

Address: **521 NE 1st Street**

City: **Gainesville** State: **FL** Zip: **32601**

Home Telephone: Work Telephone:

Cell Phone: **352-222-6961**

E-mail Address: **Karl.Bullock@swca.com**

Correspondence will be sent via email, unless you check here to receive it via US Mail:☐

D. Location of Proposed Activities

Tax Parcel Identification Number:

Address: **The existing transmission line right-of-way (ROW) begins at the Seminole Generating Station substation adjacent to US Highway 17 north of the City of Palatka and heads west to State Road 100, where the ROW parallels the road until it heads northwest through agricultural and rural residential areas and eventually to Keystone Heights. From this point the ROW continues north/northeast along State Road 16 towards Middleburg. Due south of Middleburg, the Project continues north adjacent to State Road 16 through residential areas, heads east to cross Black Creek, and continues northeast towards State Road 23. The ROW then runs north, parallel to State Road 23, until it reaches the interconnection with JEA at the Clay County-Duval County line.**

City: County: **Clay & Putnam** Zip:

Latitude (DMS) **29**° **47**' **14.14**" Longitude (DMS) **82**° **02**' **14.31**"

E. Name of Project (if there is one): **Seminole Electric SGS - JEA Transmission Line Upgrade**

F. Date Activity is Proposed: To Commence: **May 2025** To be Completed: **December 2026**

G. Proposed Activities (be specific; use additional sheets as necessary)

Describe in general terms the proposed project, system, or activity (including materials to be used and construction methods), and means of accessing the property (for construction, maintenance, and inspections, including any need for an access easement):

The Project involves replacement of two-hundred and sixty existing Corten steel transmission structures with new galvanized steel structures within the existing Seminole-Keystone-Firestone 230-kV transmission line ROW (TA 90-08). Structures will be replaced within 10 feet of the existing structures, utilizing temporary construction matting for access where necessary. A temporary bridge will be installed over the North Fork of Double Branch Creek where access to the right-of-way has been blocked due to adjacent residential development and expansion of State Road 23. No wetland fill, canopy clearing, structure pads or access roads are proposed.

Please see Attachment A for a Project location map, USGS map, land use and site plan map.

The Project has been designed in compliance with the criteria of the following exemptions for utility lines:

62-330.051(14)(d)
Activities necessary to preserve, restore, repair, remove, or replace an existing communication or utility pole or aerial transmission or distribution line, provided there is no dredging or filling in wetlands or other surface waters except to remove poles and replace them with new poles, and temporary mats needed to access the site in accordance with paragraph 62-330.051(7)(f), F.A.C. The activity must not increase the voltage of existing power lines or relocate existing poles or lines more than 10 feet in any direction from their original location.

62-330.051(7)(f)
Placement of wooden, composite, metal, or other non-earthen construction mats to provide temporary access to maintain or repair projects within wetlands, provided:
1. There is no cutting or clearing of wetland trees having a diameter four inches (circumference of 12 inches) or greater at breast height;
2. The maximum width of the construction access area shall be 15 feet;
3. Mats shall be removed as soon as practicable after equipment has completed passage through, or work has been completed at, each location along the alignment of the project, but in no case longer than seven days after equipment has completed work or passage through that location; and
4. Areas disturbed for access shall be restored to natural grades immediately after the work is complete.

H. Is any work proposed in wetlands or other surface waters? ☒ Yes ☐ No. If yes, please specifically describe, with specific references as to how the limits of the proposed work will comply with the terms and conditions of the above exemption:

Temporary construction matting will be used for access within wetlands; a temporary bridge will be utilized to cross the North Fork of Double Branch Creek. No wetland fill or wetland canopy clearing is proposed.

I. Please provide a description of all **sediment and erosion controls** to be used during the completion of this activity (such as use of turbidity screens and silt fences):

Prior to construction, silt fence will be installed on the perimeter of the temporary construction matting access paths and workspace, please see Attachment A.

Part 2: Acknowledgement

I understand this form is being provided solely to seek verification of qualification to use one or more Environmental Resource Permit (ERP) and/or State 404 Program exemption(s), and that I am NOT requesting the Agency to process this form as an application for a permit.

☐ **By checking this box**, I hereby waive, in accordance with Rule 62-330.050(10), F.A.C., the 30-day deadline for issuance of the verification set forth in Rule 62-330.050(4), F.A.C. in the event my project also requires a State 404 Program authorization (other than an exemption) under Chapter 62-331, F.A.C., and request that the agency actions for the ERP exemption and State 404 Program authorization be issued at the same time. *(This is strongly recommended to ensure consistency, and to reduce the potential need for project modifications to resolve inconsistencies that may occur when the agency actions are issued at different times).* If this box is checked and the Agency determines that no State 404 Program authorization is required, the Agency(ies) will continue to abide by subsection 62-330.050(4), F.A.C.

I understand that the Agency will make a reasonable effort to determine, within 30 days of receipt of this form, whether the proposed activities qualify for an exemption, unless this timeframe has been waived, above. If they do not, the Agency will provide its determination that the requested activity does not meet the terms and conditions of an ERP or State 404 Program exemption, at which time I may provide a new form with additional or modified information, or I may submit an application for an ERP and/or State 404 Program permit. In either case, denial of qualification to use an exemption will be made without prejudice, pending submittal of clarification of any errors or omissions contained in this form or other information that demonstrates compliance with the terms and conditions of the exemption.

Typed/Printed Name: Signature: _____ Date:

Certification of Sufficient Real Property Interest and Authorization for Staff to Access to the Property:
I certify that:

I, or the person I represent, hereby certify that I, or that person, possess sufficient real property interest in or control, as defined in **Section 4.2.3(d) of Applicant's Handbook Volume I**, over the land upon which the activities described in this form are proposed, and that I have, or that landowner has given me, legal authority to grant permission for staff of the Agency to access, inspect, and sample the lands and waters of the property as necessary for the review of the proposed activities specified in this form. If such sufficient real property interest is based on an entity having *the power of eminent domain and condemnation authority*, I/we shall make appropriate arrangements to enable staff of the Agency to access, inspect, and sample the property as described above.

Typed/Printed Name: **David Ferrentino** Signature: _____ Date: 4/27/25

(Corporate Title if applicable): **Vice President & Chief Legal Officer**

Part 3: Submittal and Fees

This form and the appropriate fee should be submitted to the agency having regulatory authority for the activity. Operating Agreements between the Department and the water management districts spell out which agency will process any given application. For more information go to https://floridadep.gov/water/submerged-lands-environmental-resources-coordination/content/submitting-erp.

This form may be submitted online; to do so, follow the online submittal requirements of the agency:

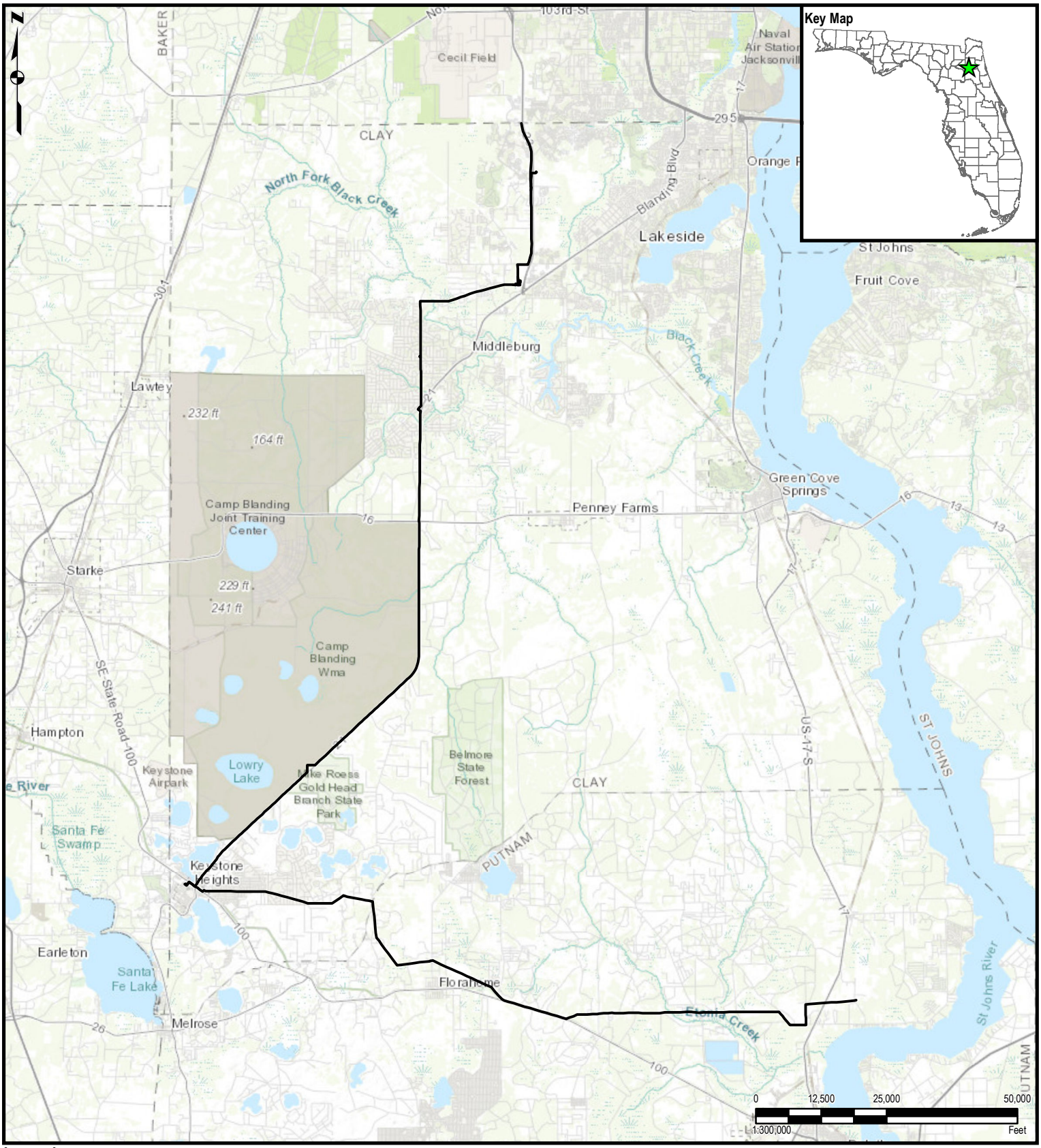
- **Florida Department of Environmental Protection: http://www.fldepportal.com/go/**

- **Northwest Florida Water Management District: https://permitting.sjrwmd.com/nwepermitting/jsp/start.jsp**
- **Suwannee River Water Management District: https://permitting.sjrwmd.com/srepermitting/jsp/start.jsp**
- **St. Johns River Water Management District: https://permitting.sjrwmd.com/epermitting/jsp/AccountOverview.do?command=init**
- **Southwest Florida Water Management District: http://www.swfwmd.state.fl.us/permits/epermitting/**
- **South Florida Water Management District: http://my.sfwmd.gov/ePermitting/MainPage.do**

If submitting a paper version of this form, please see (Appendix A) of the Environmental Resource Permit Applicant's Handbook Volume I for submittal locations.

ATTACHMENT A

FIGURES



Legend

- Project Location (Approximate)
- Transmission Line (Approximate)

Source(s):
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA
Transmission Line Upgrade

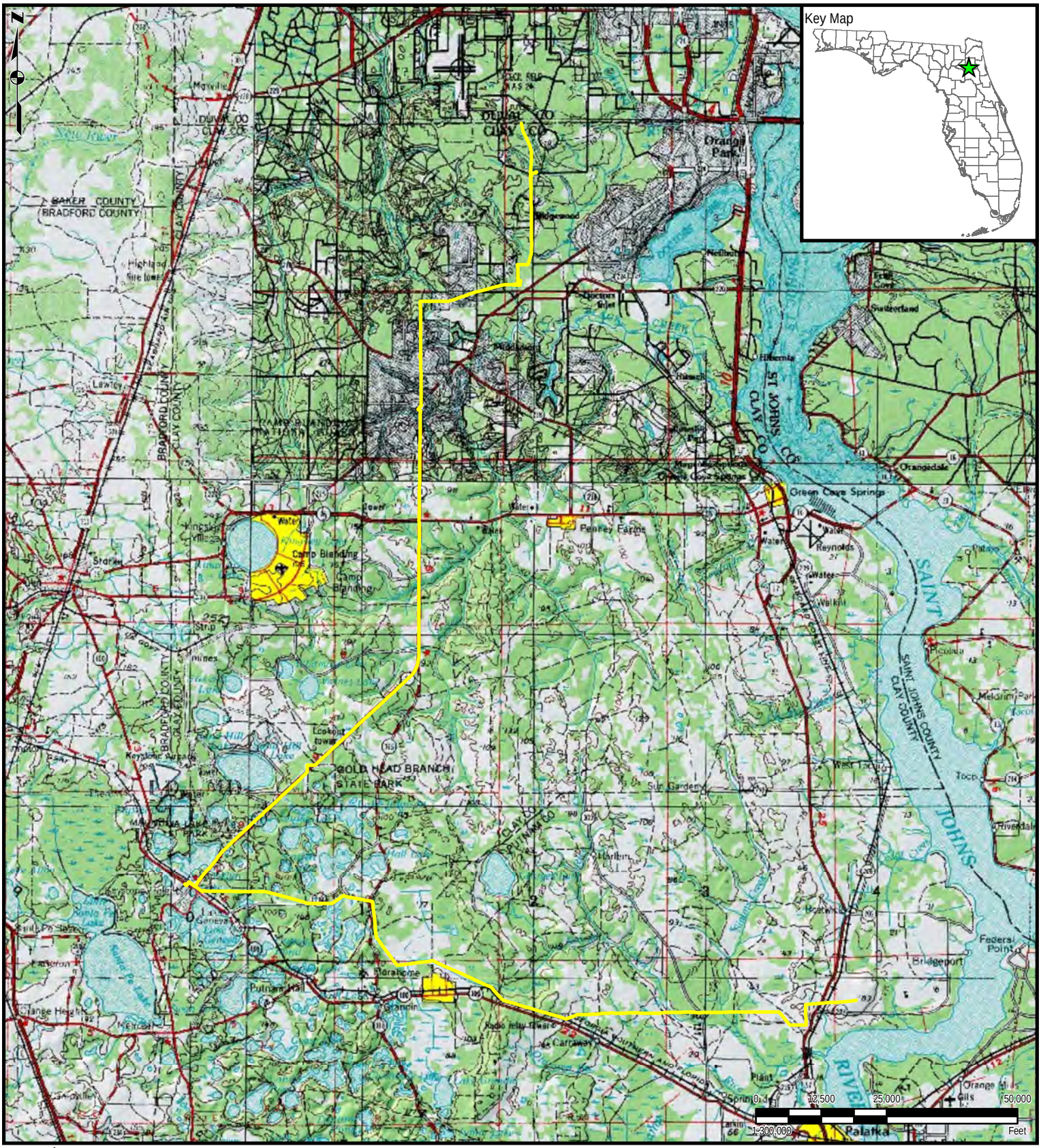
Title
Figure 1: Location Map

Date	8/1/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A001

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A001 Location.mxd - collin.hayes - 8/1/2023



Legend

- Project Location (Approximate)
- Transmission Line (Approximate)

Source(s):
- SERVICE LAYER CREDITS: COPYRIGHT© 2013 NATIONAL GEOGRAPHIC SOCIETY, I-CUBED

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA
Transmission Line Upgrade

Title
Figure 2: USGS Topographic Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

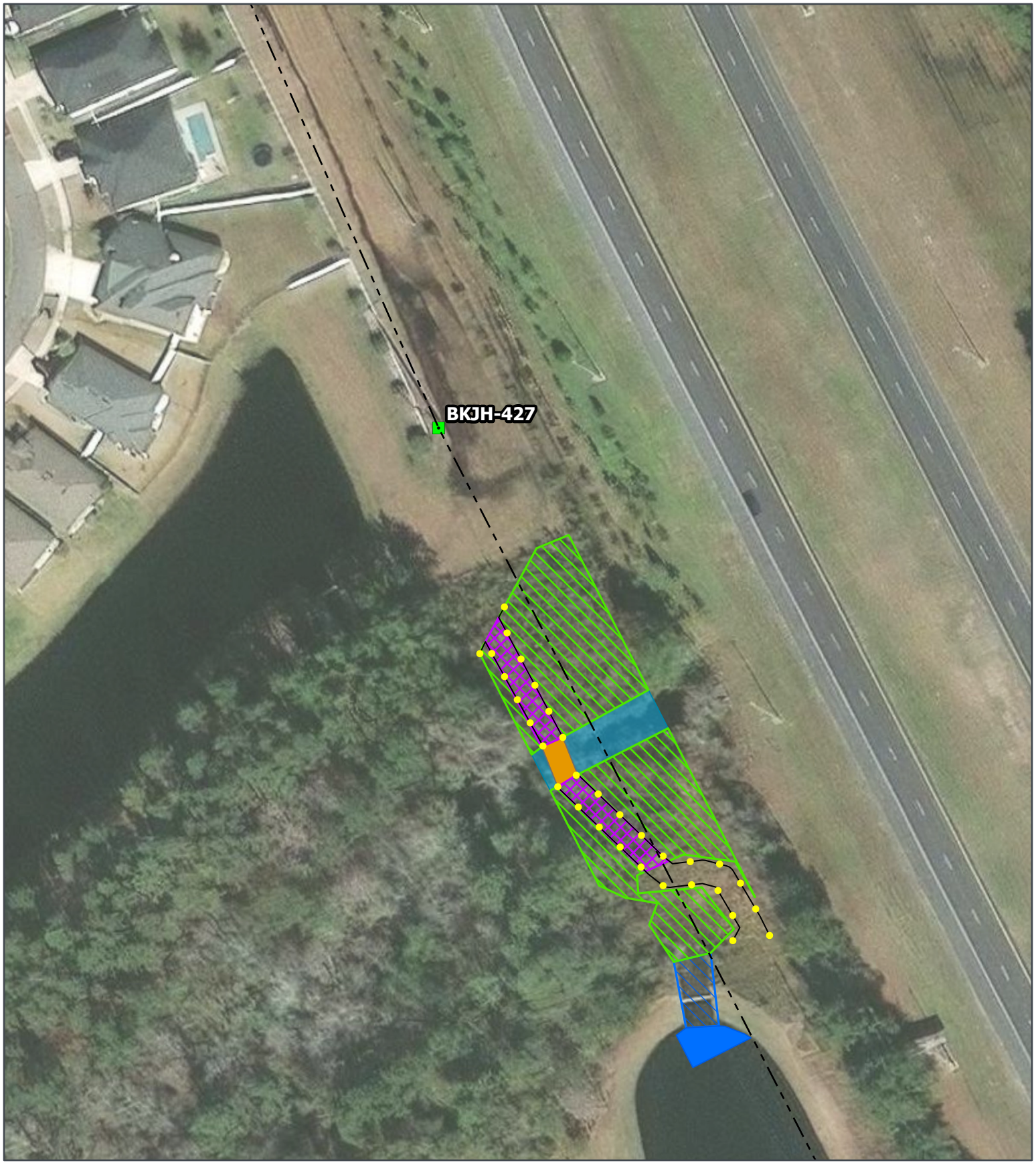
Project No. 0697845 Revision No. 0 Control A008

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A008 Topo.mxd - collin.hayes - 10/16/2023

Figure 3

Site Plan Map - Land Use, Wetlands, & BMPs

(Please see separate pdf file)



SGS-JEA TRANSMISSION LINE UPGRADE

Figure 4. Temporary Bridge Crossing

Project Boundary: SWCA 2025
Land Use: FDEP Statewide 2023

- Transmission Line Structure
- Silt Fence
- Transmission Line
- Temporary Bridge, ±0.01 Acres
- Temporary Wetland Matting
- Pond Outflow
- Retention Pond
- Creek Channel
- Wetland

Clay County, FL
USGS 7.5' Quadrangle:
Jacksonville Heights, FL, 30081-B7
T4S R25E Section 06
NAD 1983 StatePlane Florida East FIPS 0901 Feet
30.1819°N 81.8358°W

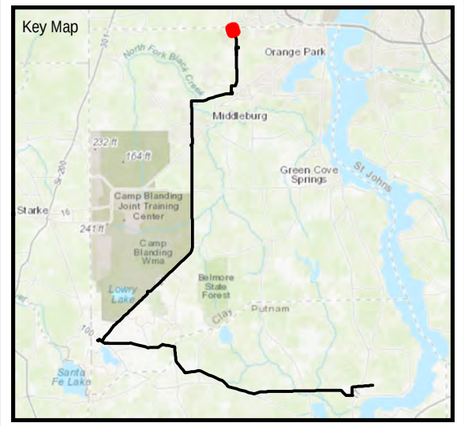
Base Map: ESRI ArcGIS Online, accessed April 2025
Updated: 4/4/2025
Project No. 95370
Layout: 05_SiteLayout
Aprx:

0 40 80 Feet
0 10 20 Meters

N

1:1,000

SWCA ENVIRONMENTAL CONSULTANTS



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 820: Communications
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

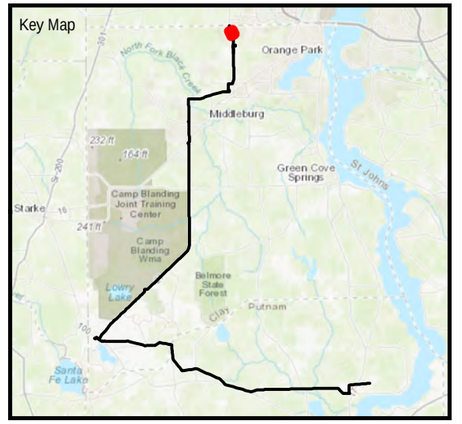
Title
Figure 3-1: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_mxA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 120: Medium density residential
  - 130: Residential, high density
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 530: Reservoirs
  - 611: Bay swamp
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-2: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023

Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 120: Medium density residential
  - 130: Residential, high density
  - 170: Institutional
  - 186: Community recreation facilities
  - 310: Herbaceous upland
  - 421: Xeric oak
  - 441: Pine plantation
  - 530: Reservoirs
  - 630: Mixed forested wetland
  - 814: Roads
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

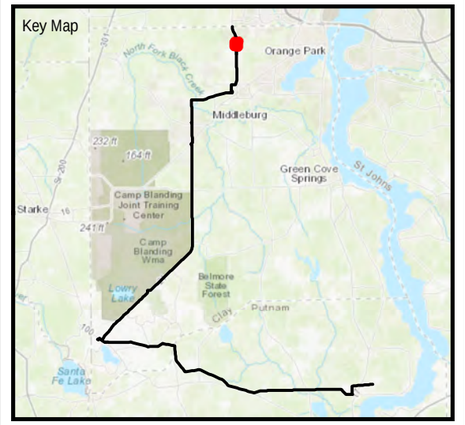
Title
Figure 3-3: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAM\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 130: Residential, high density
  - 170: Institutional
  - 186: Community recreation facilities
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 441: Pine plantation
  - 530: Reservoirs
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 831: Electrical power facilities
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

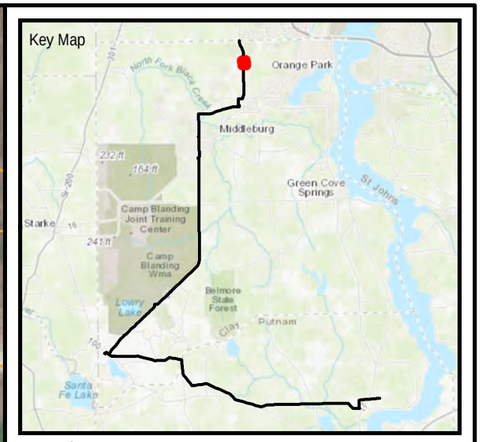
Title
Figure 3-4: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 140: Commercial & services
  - 211: Improved pastures
  - 213: Woodland pastures
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 530: Reservoirs
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 814: Roads
  - 831: Electrical power facilities
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

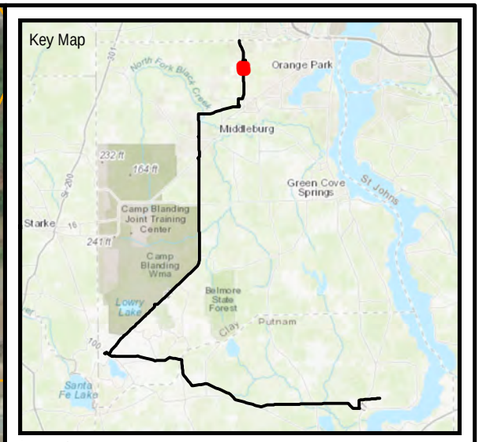
Title
Figure 3-5: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 140: Commercial & services
  - 170: Institutional
  - 211: Improved pastures
  - 213: Woodland pastures
  - 251: Horse farms
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 530: Reservoirs
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 814: Roads
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

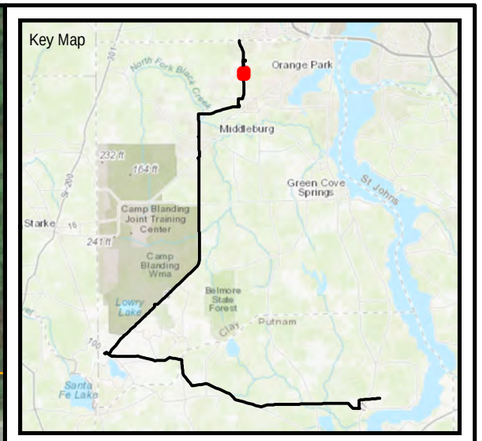
Title
Figure 3-6: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 814: Roads
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

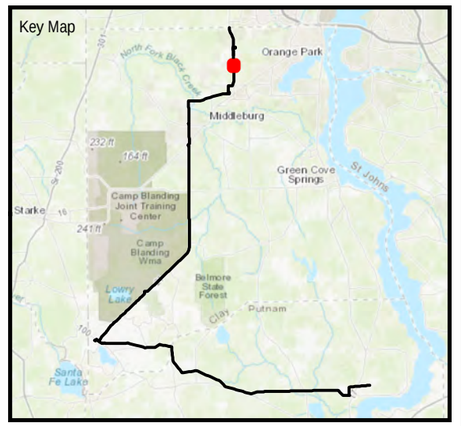
Title
Figure 3-7: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 530: Reservoirs
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 650: Non-vegetated wetland
  - 814: Roads
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

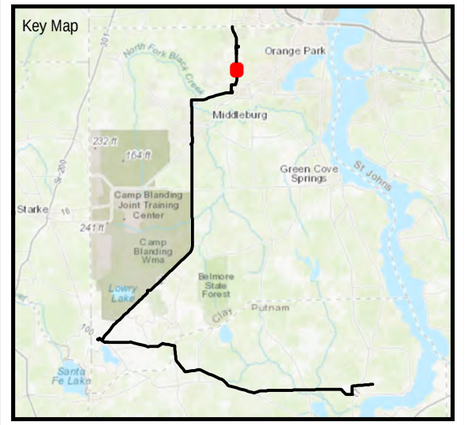
Title
Figure 3-8: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 170: Institutional
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 814: Roads
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

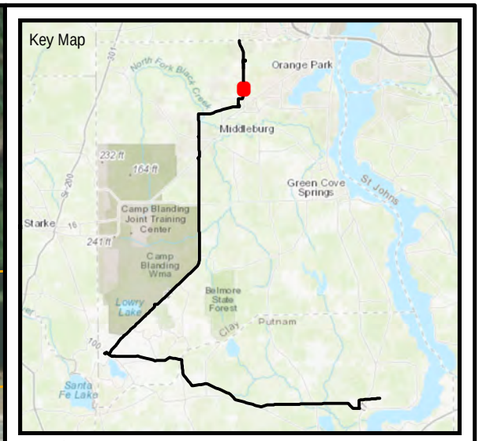
Title
Figure 3-9: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 170: Institutional
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 530: Reservoirs
  - 611: Bay swamp
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 814: Roads
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

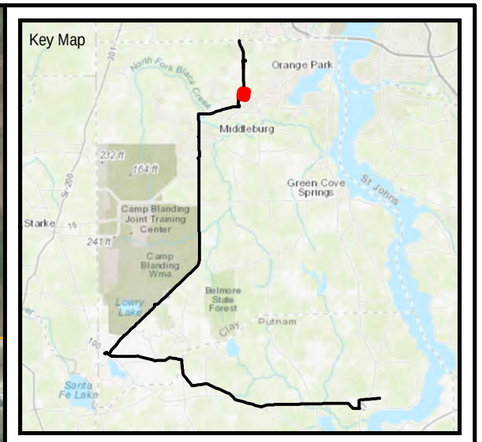
Title
Figure 3-10: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 120: Medium density residential
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-11: Land Use, Wetlands & BMPs Map

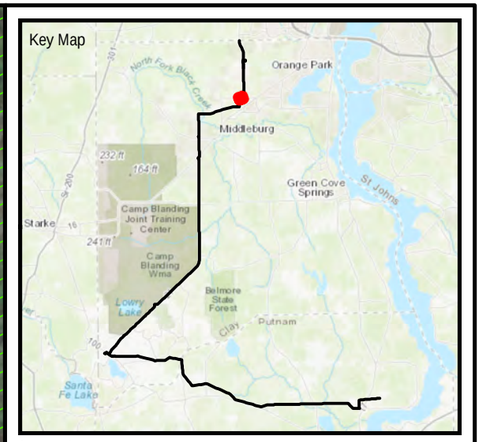
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023

Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 170: Institutional
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 511: Ditches
  - 530: Reservoirs
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

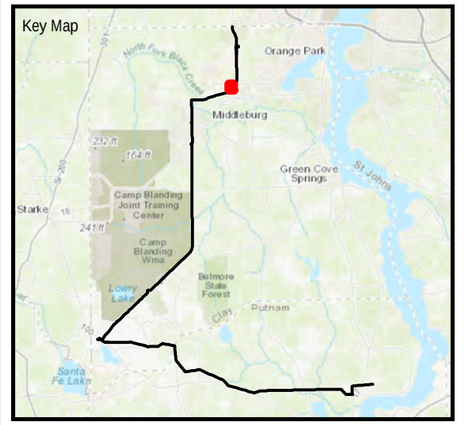
Title
Figure 3-12: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 310: Herbaceous upland
  - 320: Shrub & brushland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 832: Electrical power transmission lines
  - 833: Water supply plants

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

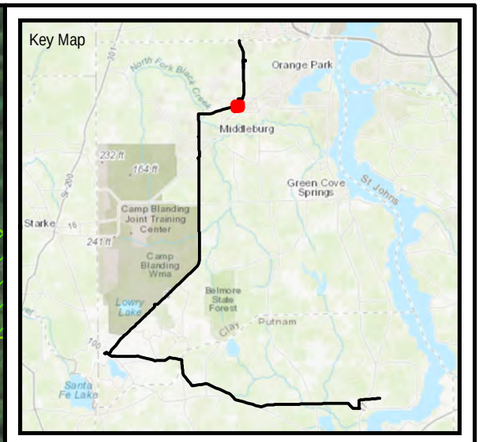
Title
Figure 3-13: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Link\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 320: Shrub & brushland
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 511: Ditches
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 831: Electrical power facilities
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

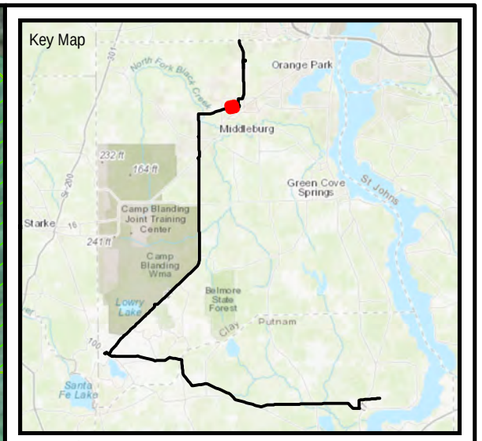
Title
Figure 3-14: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineVi - EA\WXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 320: Shrub & brushland
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 443: Forest regeneration
  - 530: Reservoirs
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

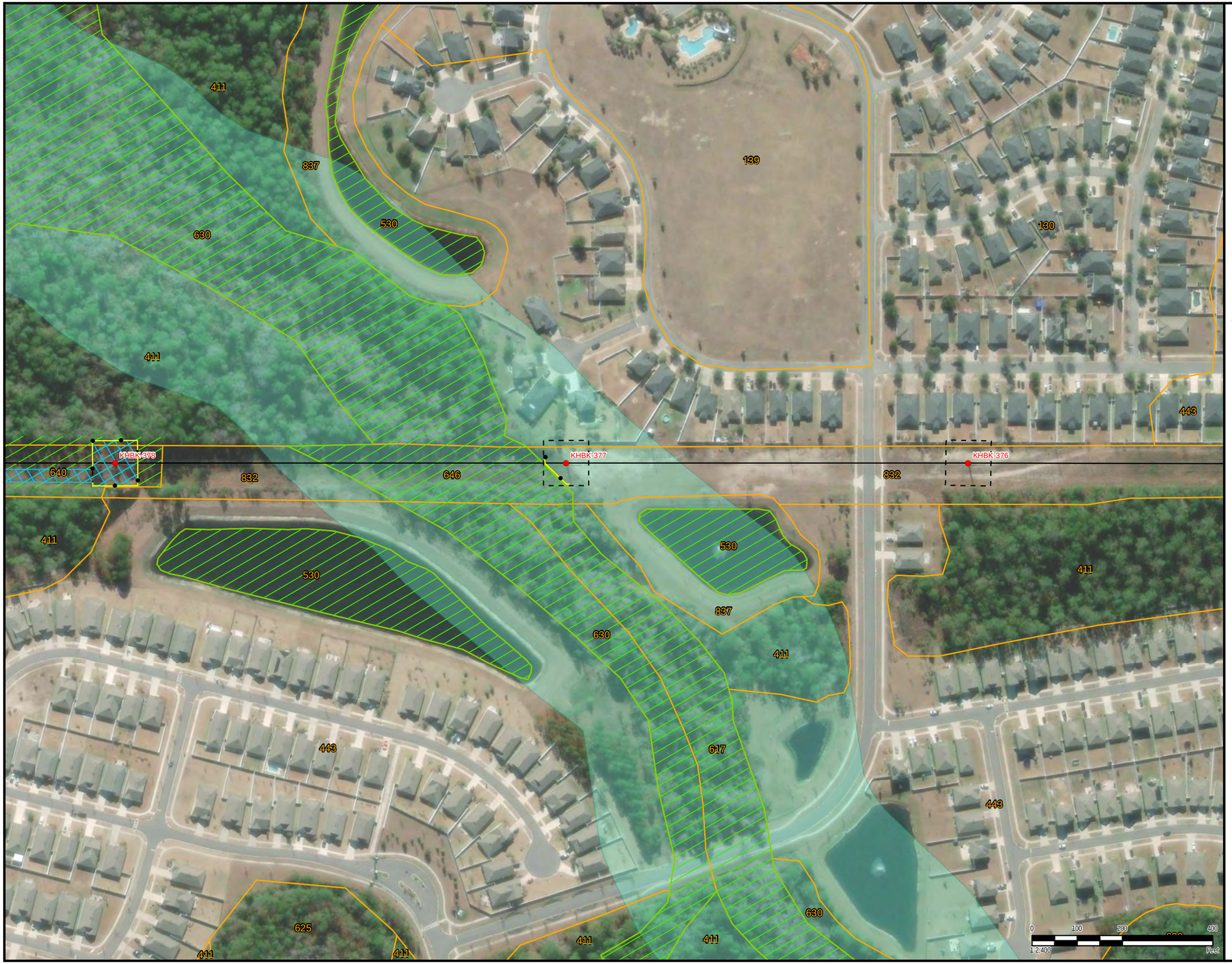
Title
Figure 3-15: Land Use, Wetlands & BMPs Map

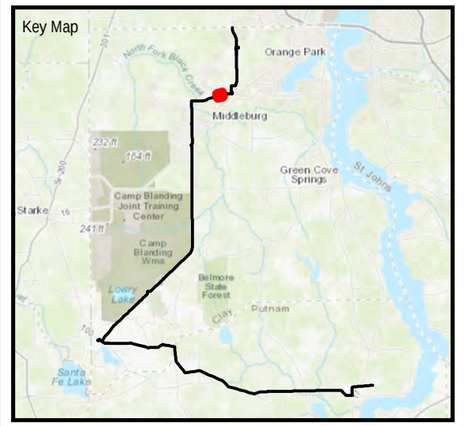
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 130: Residential, high density
  - 139: High density under construction
  - 411: Pine flatwoods
  - 443: Forest regeneration
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

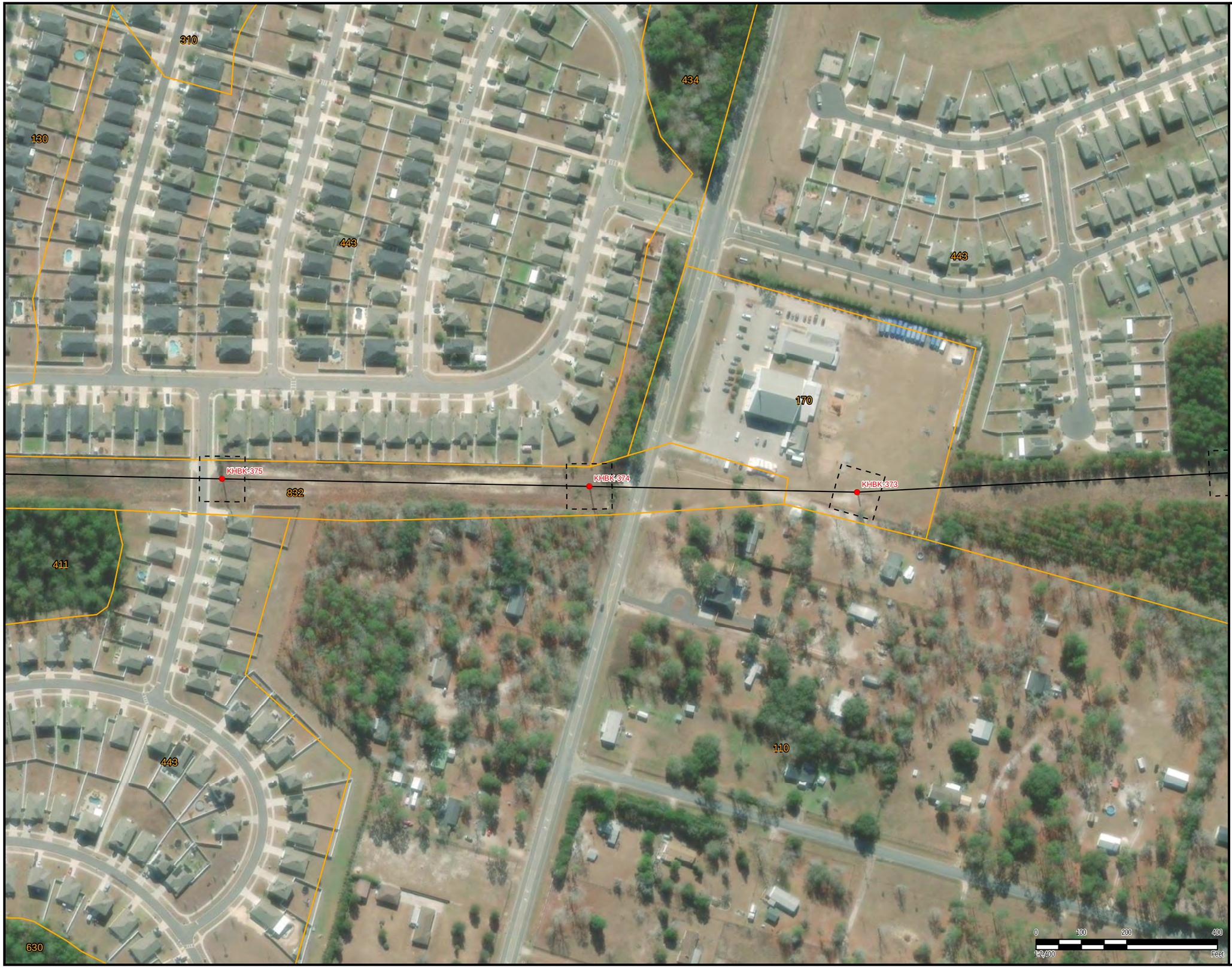
Title
Figure 3-16: Land Use, Wetlands & BMPs Map

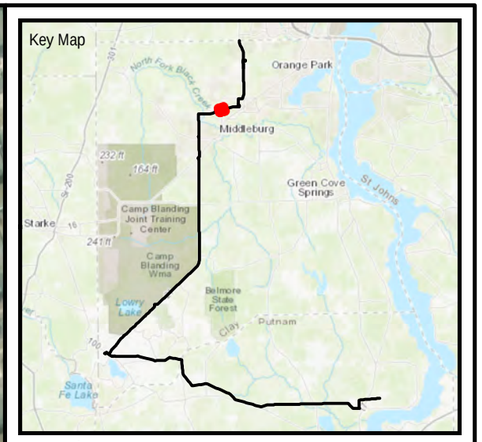
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 130: Residential, high density
  - 170: Institutional
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 443: Forest regeneration
  - 630: Mixed forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

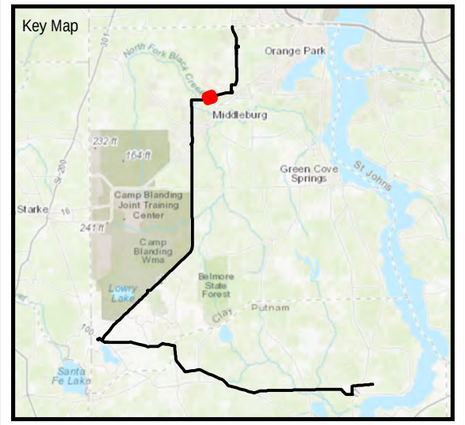
Title
Figure 3-17: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_mxA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 443: Forest regeneration
  - 630: Mixed forested wetland
  - 641: Freshwater marsh

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

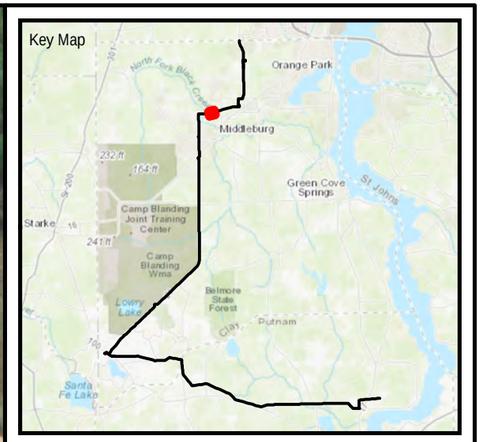
Title
Figure 3-18: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 434: Upland mixed coniferous/hardwood
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 643: Wet prairies

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

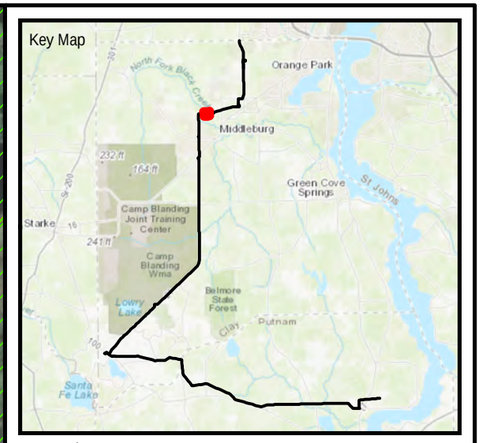
Title
Figure 3-19: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAWX\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 320: Shrub & brushland
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 420: Upland hardwood
  - 434: Upland mixed coniferous/hardwood
  - 510: Streams & waterways
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 643: Wet prairies

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

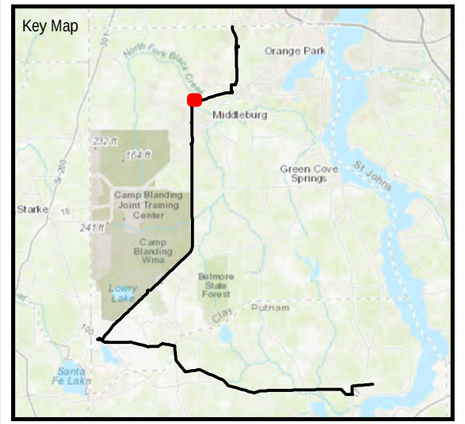
Title
Figure 3-20: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAWXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 510: Streams & waterways
  - 530: Reservoirs
  - 611: Bay swamp
  - 617: Mixed hardwood wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

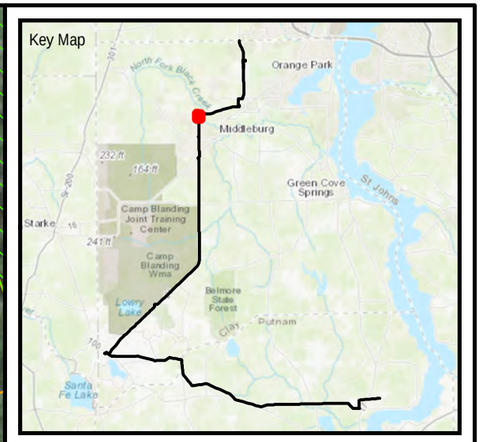
Title
Figure 3-21: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_LineA - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 140: Commercial & services
  - 162: Sand & gravel pits
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 434: Upland mixed coniferous/hardwood
  - 530: Reservoirs
  - 611: Bay swamp
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 643: Wet prairies

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

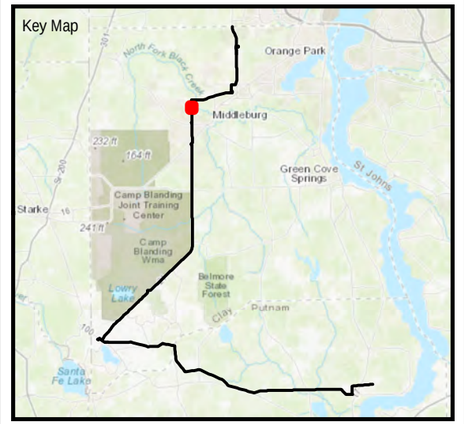
Title
Figure 3-22: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 310: Herbaceous upland
  - 434: Upland mixed coniferous/hardwood
  - 510: Streams & waterways
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

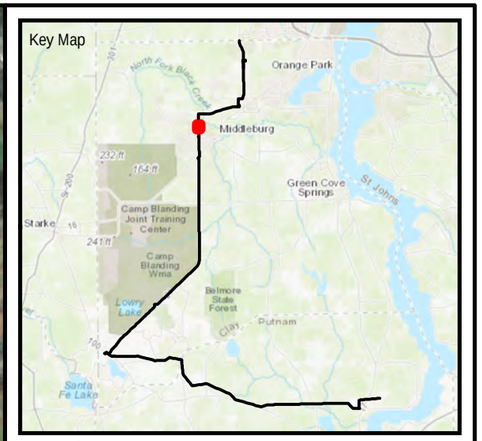
Title
Figure 3-23: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_LineA - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

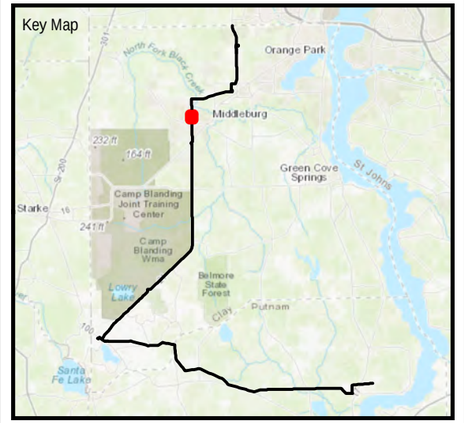
Title
Figure 3-24: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\SGS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 411: Pine flatwoods
  - 617: Mixed hardwood wetland
  - 640: Vegetated non-forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

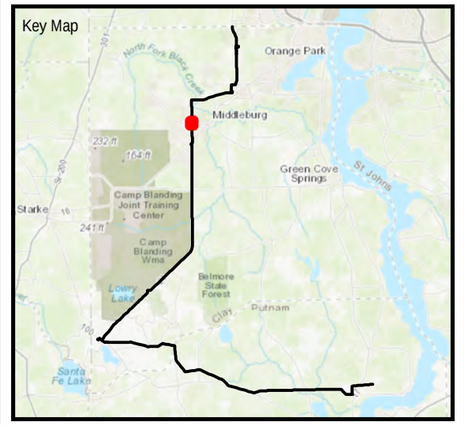
Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-25: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ
Project No.	0697845
Revision No.	0
Control	A003B

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

C:\Users\colin.hayes\Desktop\GIS Projects\SGS - Seminole SGS to JEA_1_mxA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 130: Residential, high density
  - 140: Commercial & services
  - 170: Institutional
  - 186: Community recreation facilities
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 644: Emergent aquatic vegetation
  - 831: Electrical power facilities
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

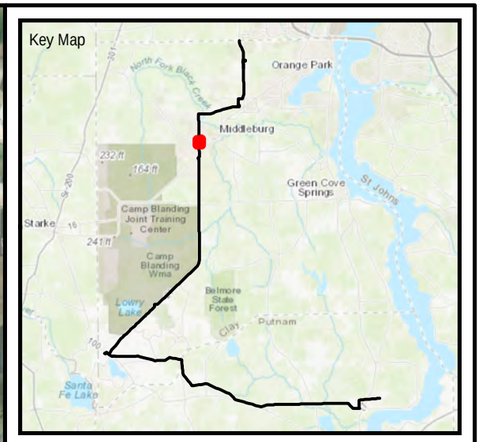
Title
Figure 3-26: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAWO\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 186: Community recreation facilities
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

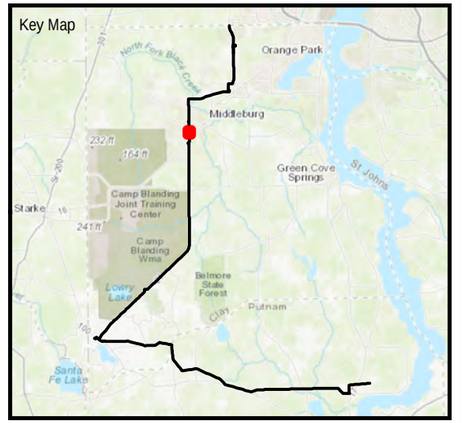
Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-27: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ
Project No.	0697845
Revision No.	0
Control	A003B

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 163: Rock quarries
  - 186: Community recreation facilities
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 511: Ditches
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

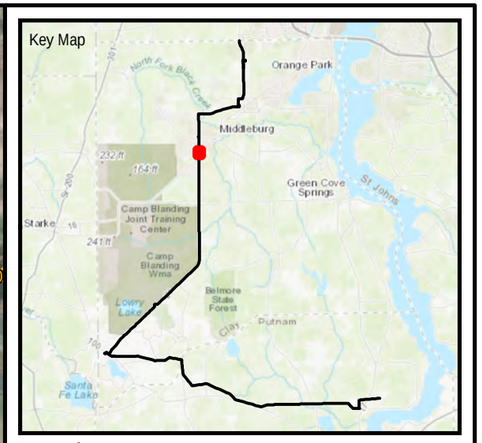
Title
Figure 3-28: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAM\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 140: Commercial & services
  - 434: Upland mixed coniferous/hardwood
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

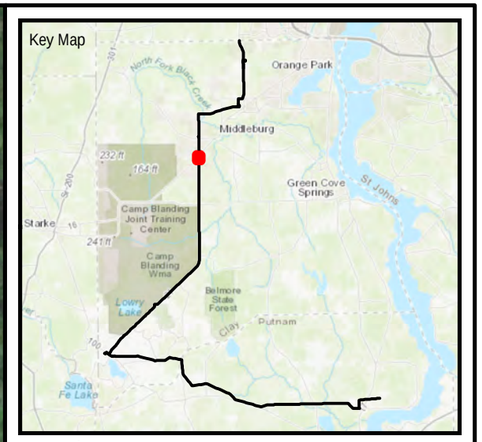
Title
Figure 3-29: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_mxA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 140: Commercial & services
  - 170: Institutional
  - 434: Upland mixed coniferous/hardwood
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 814: Roads
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-30: Land Use, Wetlands & BMPs Map

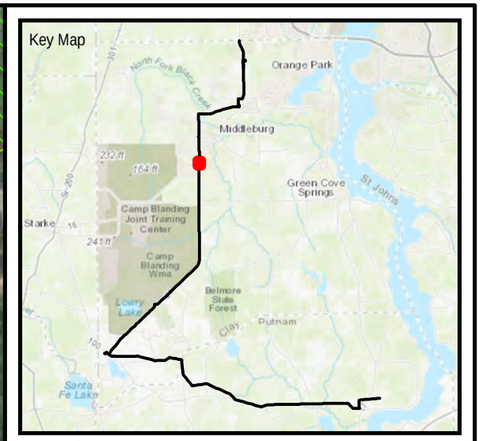
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023

Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 170: Institutional
  - 320: Shrub & brushland
  - 434: Upland mixed coniferous/hardwood
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-31: Land Use, Wetlands & BMPs Map

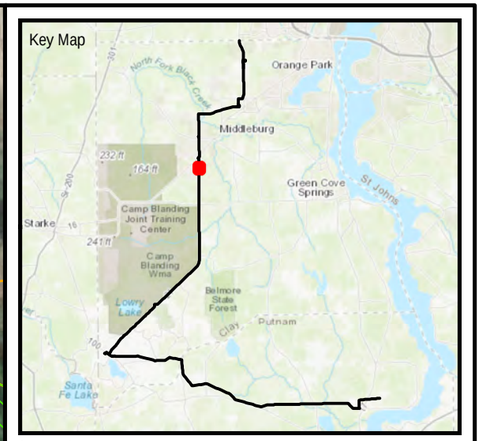
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023

Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 170: Institutional
  - 320: Shrub & brushland
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland
  - 743: Spoil areas
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

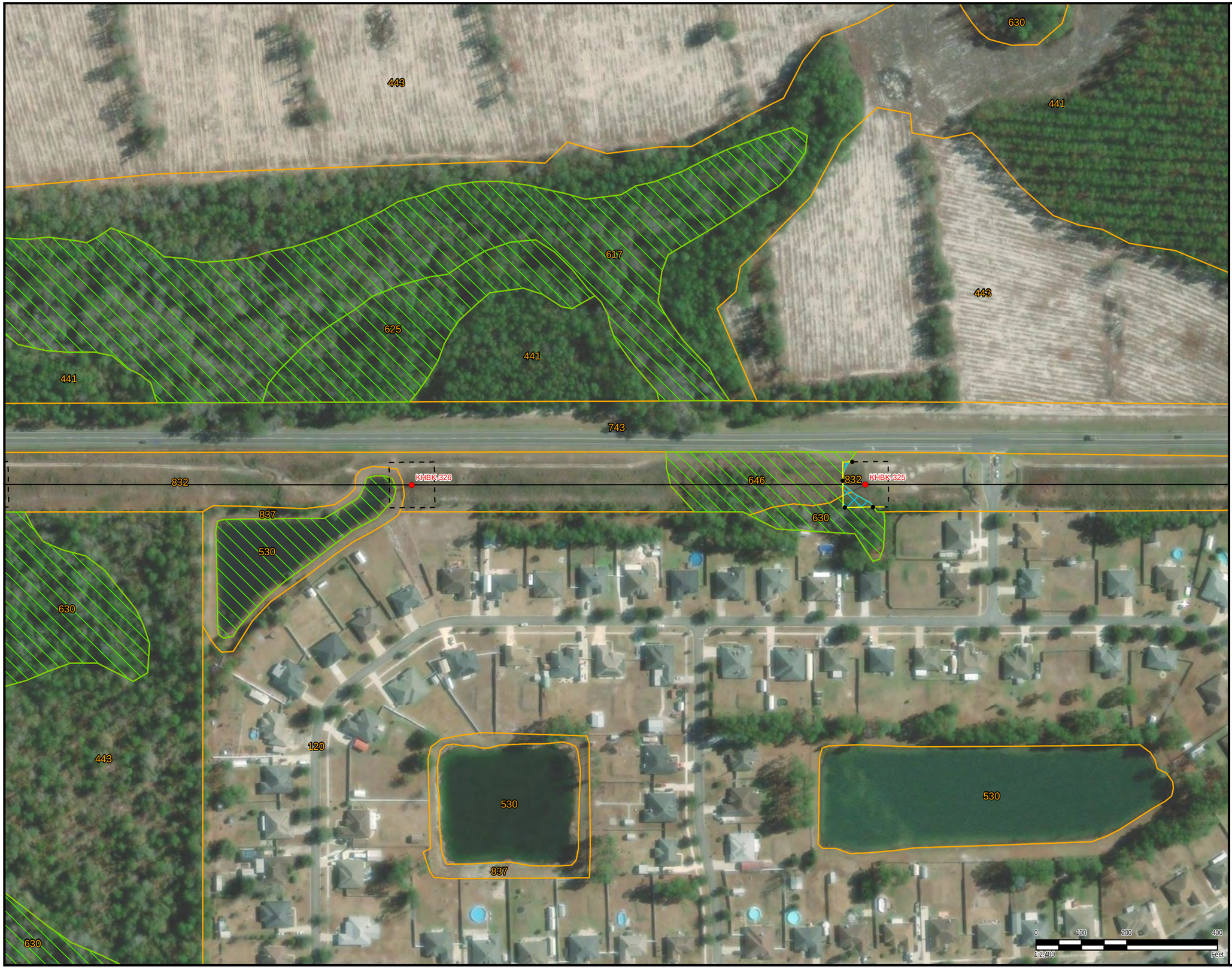
Title
Figure 3-32: Land Use, Wetlands & BMPs Map

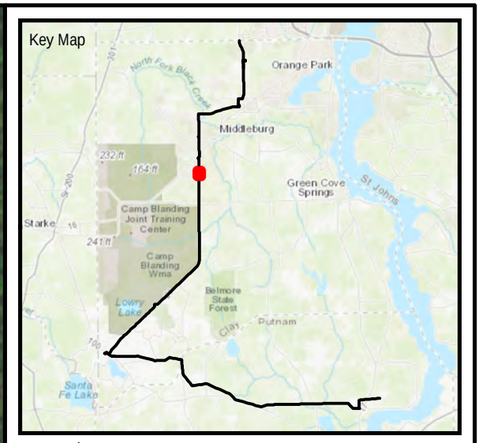
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 120: Medium density residential
  - 441: Pine plantation
  - 443: Forest regeneration
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 743: Spoil areas
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

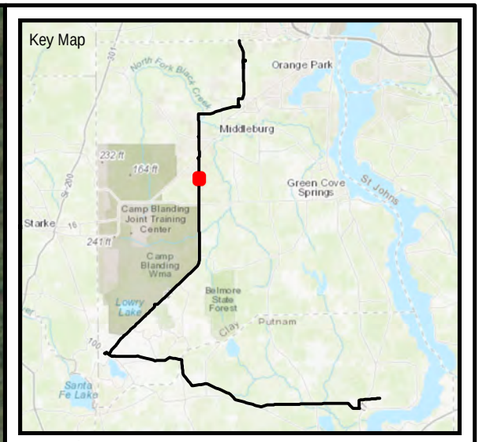
Title
Figure 3-33: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 120: Medium density residential
  - 320: Shrub & brushland
  - 441: Pine plantation
  - 443: Forest regeneration
  - 511: Ditches
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 643: Wet prairies
  - 743: Spoil areas
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

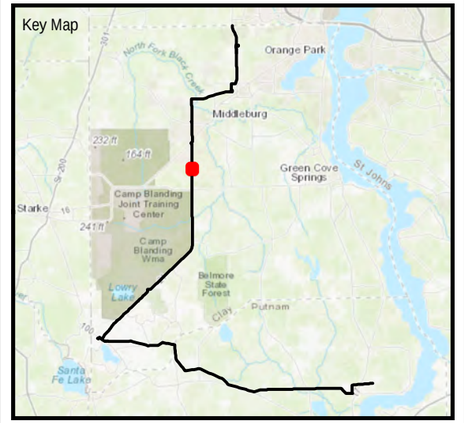
Title
Figure 3-34: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 320: Shrub & brushland
  - 441: Pine plantation
  - 443: Forest regeneration
  - 511: Ditches
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 743: Spoil areas
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

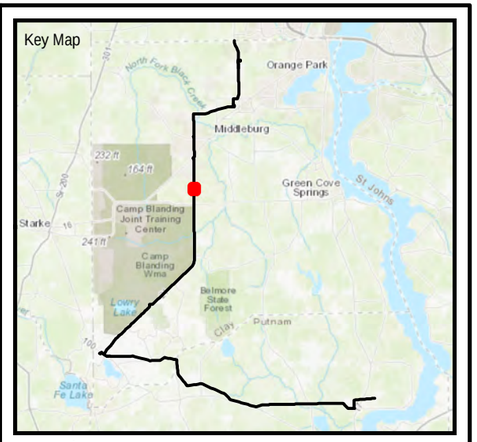
Title
Figure 3-35: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 441: Pine plantation
  - 443: Forest regeneration
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 743: Spoil areas
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

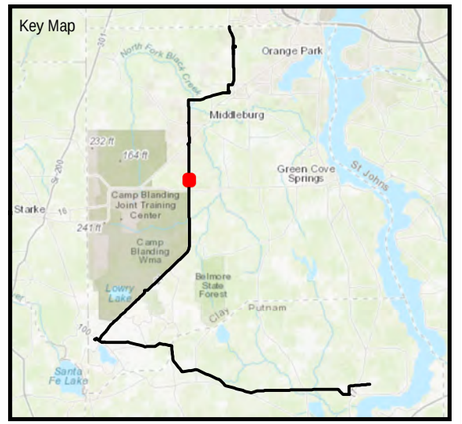
Title
Figure 3-36: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 441: Pine plantation
  - 443: Forest regeneration
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

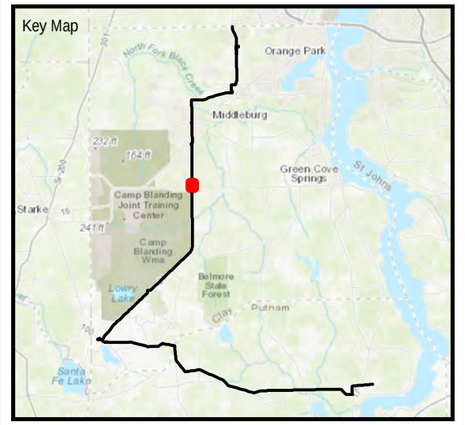
Title
Figure 3-37: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 441: Pine plantation
  - 443: Forest regeneration
  - 621: Cypress
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

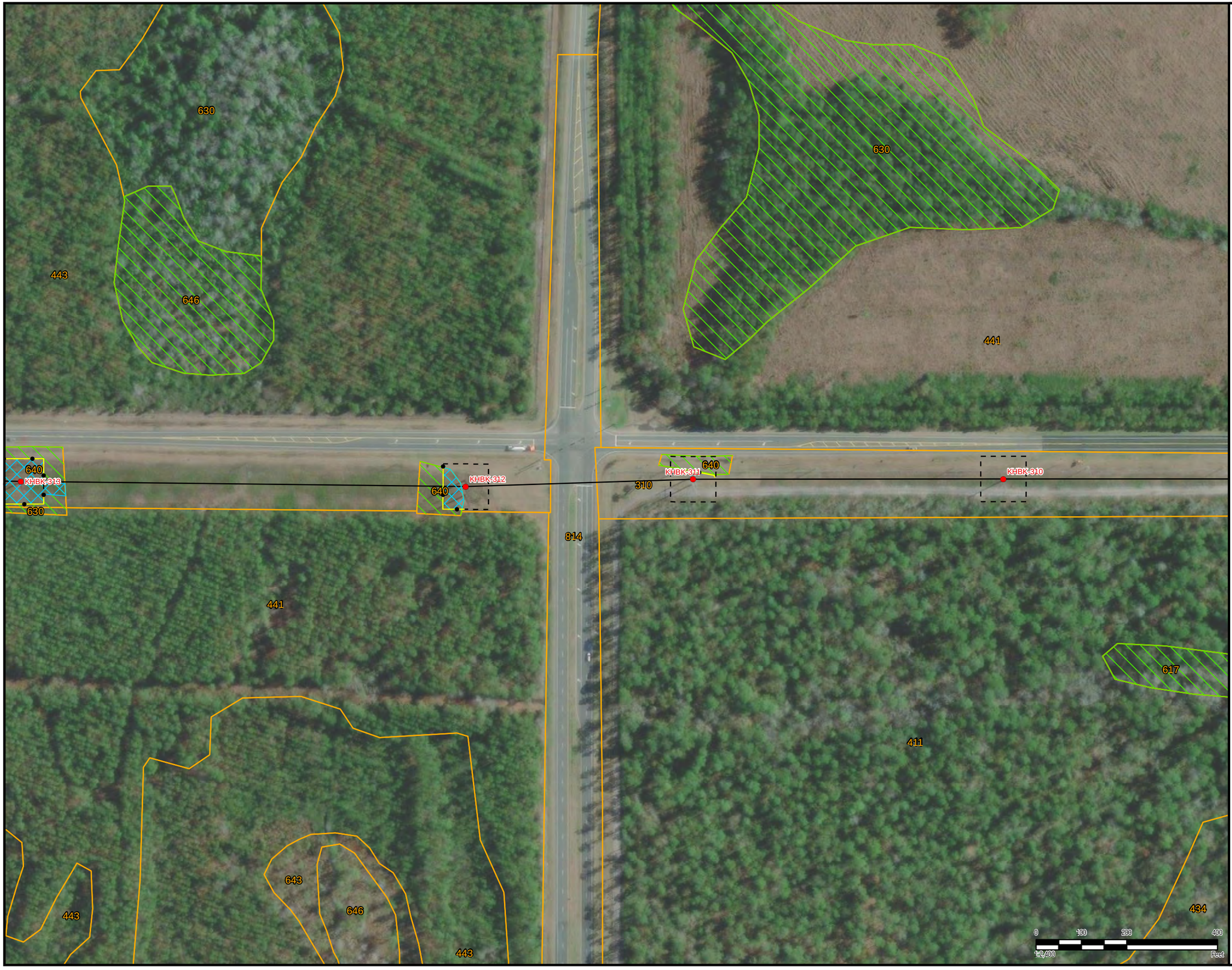
Title
Figure 3-38: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

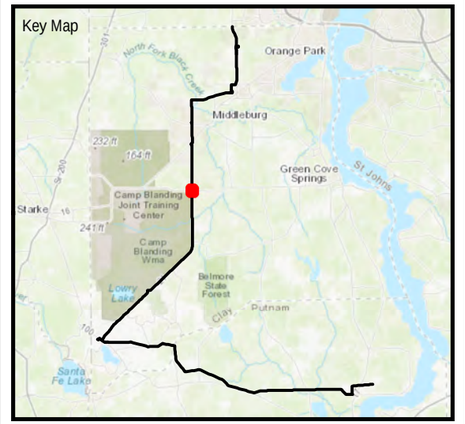
ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 814: Roads

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

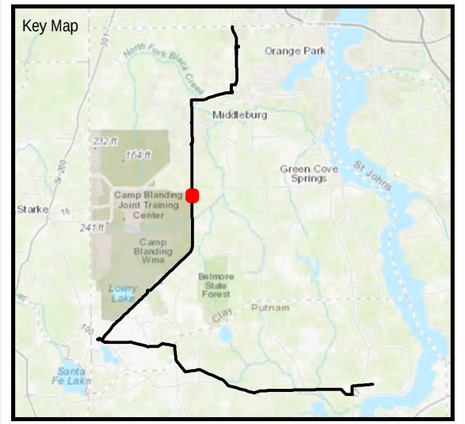
Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-39: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ
Project No.	0697845
Revision No.	0
Control	A003B

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

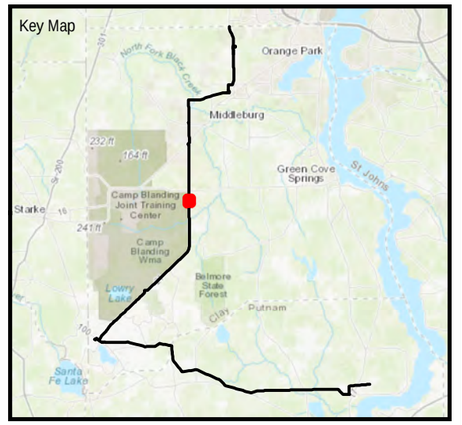
Title
Figure 3-40: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

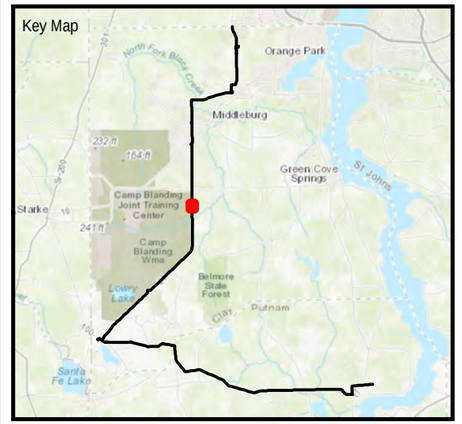
Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-41: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ
Project No.	0697845
Revision No.	0
Control	A003B

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

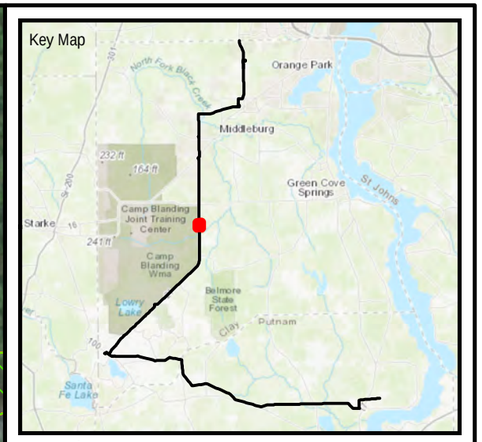
Title
Figure 3-42: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

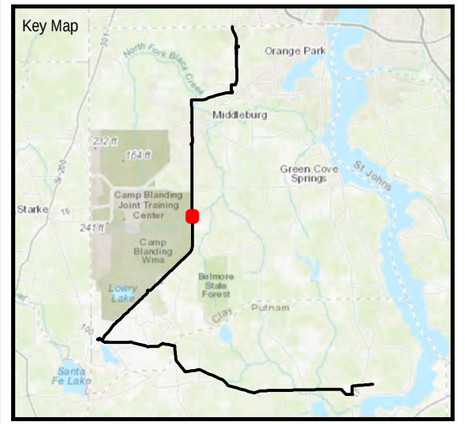
Title
Figure 3-43: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland
  - 740: Disturbed land
  - 814: Roads
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-44: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023

Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 170: Institutional
  - 310: Herbaceous upland
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 740: Disturbed land
  - 814: Roads

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

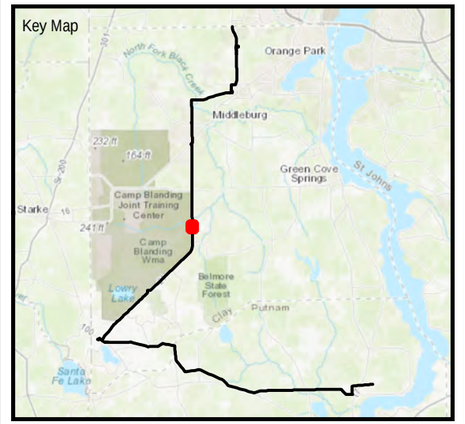
Title
Figure 3-45: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Lin\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 310: Herbaceous upland
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-46: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023

Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 310: Herbaceous upland
  - 441: Pine plantation
  - 443: Forest regeneration
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

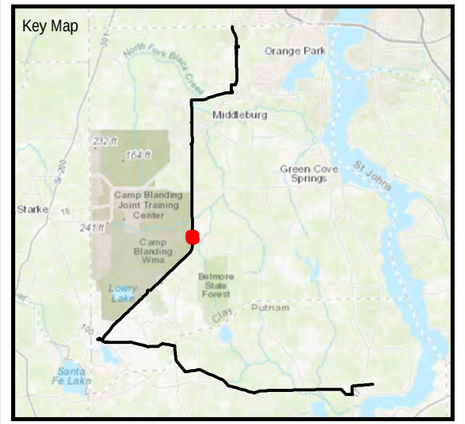
Title
Figure 3-47: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 441: Pine plantation
  - 443: Forest regeneration
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

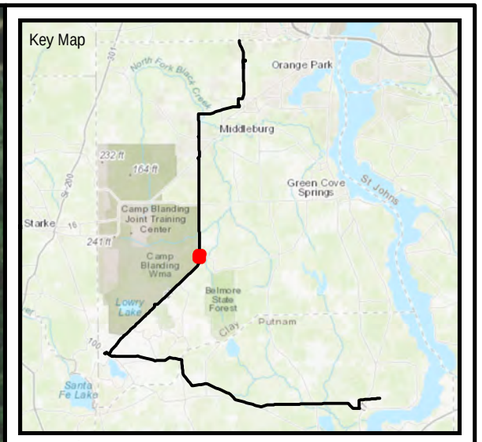
Title
Figure 3-48: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 443: Forest regeneration
  - 530: Reservoirs
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-49: Land Use, Wetlands & BMPs Map

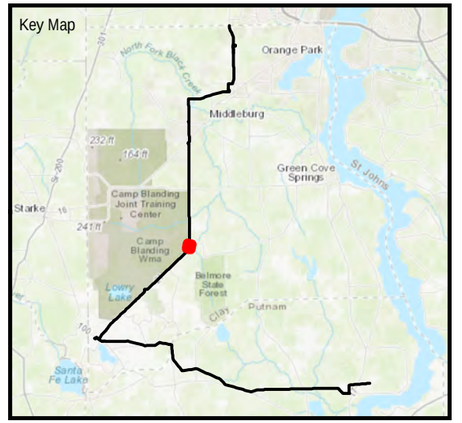
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAWX0\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023

Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 251: Horse farms
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

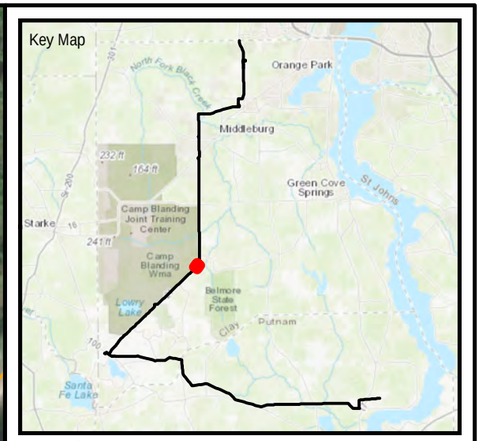
Title
Figure 3-50: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_LineA - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 251: Horse farms
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 443: Forest regeneration
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 814: Roads

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

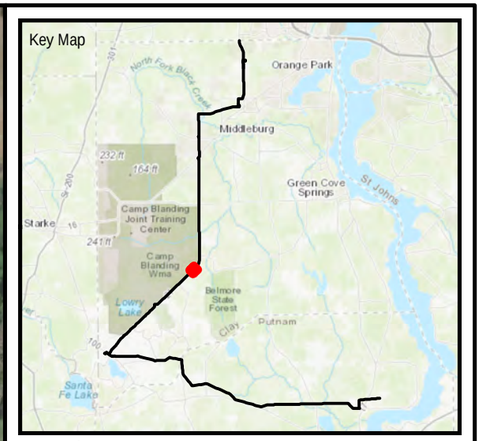
Title
Figure 3-51: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_T_LineA - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 213: Woodland pastures
  - 251: Horse farms
  - 441: Pine plantation
  - 443: Forest regeneration
  - 625: Hydric pine flatwoods
  - 640: Vegetated non-forested wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

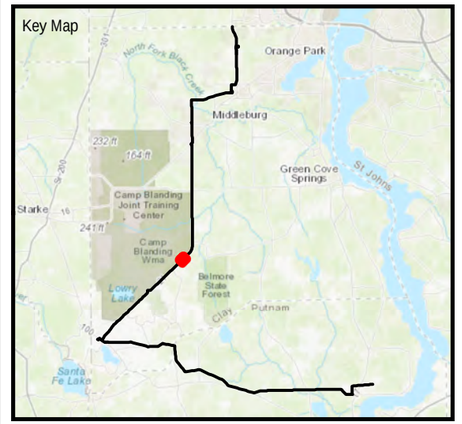
Title
Figure 3-52: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\SGS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 251: Horse farms
  - 441: Pine plantation
  - 443: Forest regeneration
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

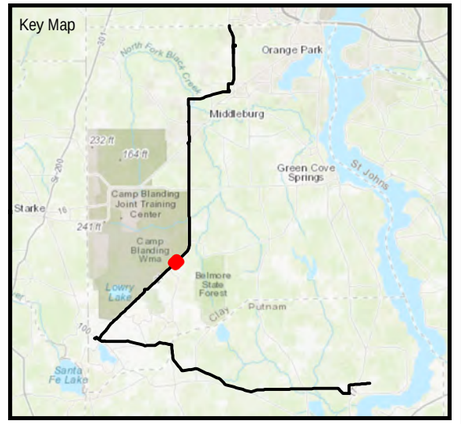
Title
Figure 3-53: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 251: Horse farms
  - 320: Shrub & brushland
  - 412: Longleaf pine-xeric oak
  - 443: Forest regeneration
  - 630: Mixed forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

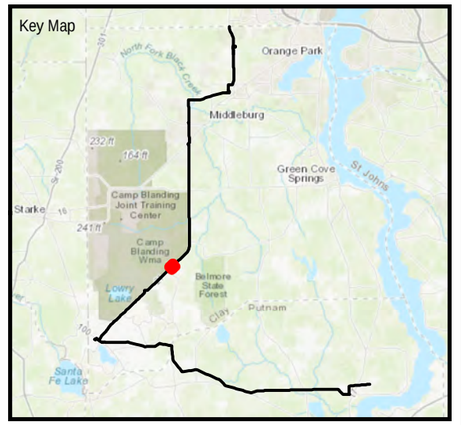
Title
Figure 3-54: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA\1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 251: Horse farms
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 643: Wet prairies
  - 820: Communications
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

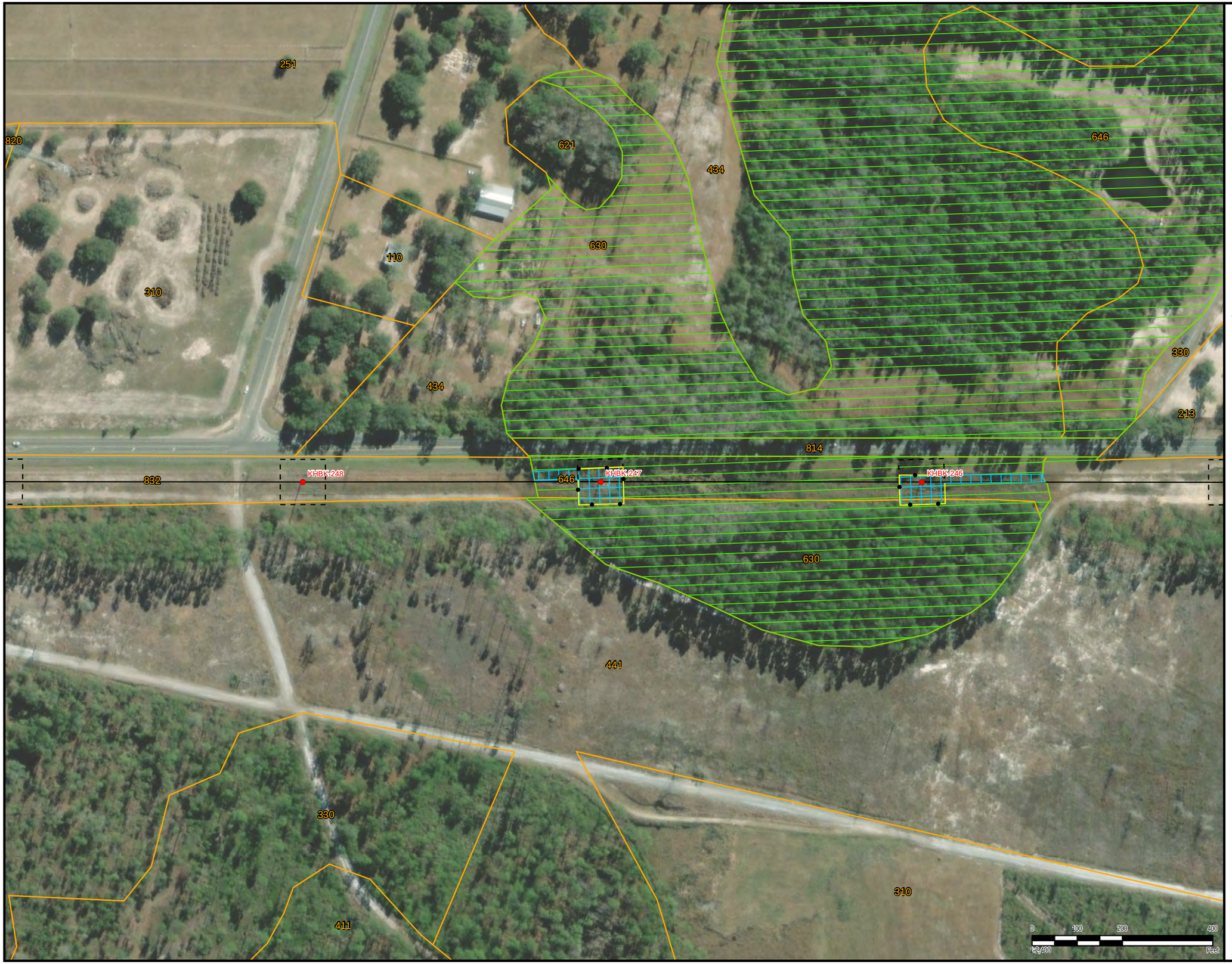
Title
Figure 3-55: Land Use, Wetlands & BMPs Map

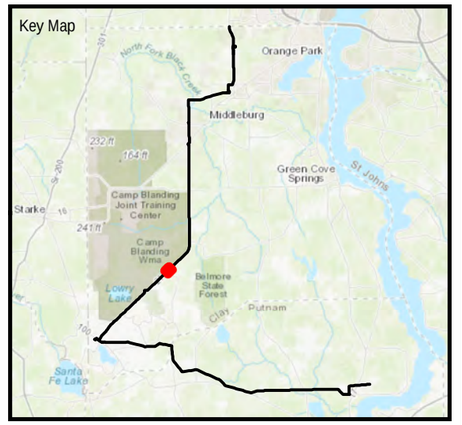
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 213: Woodland pastures
  - 251: Horse farms
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 621: Cypress
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 814: Roads
  - 820: Communications
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

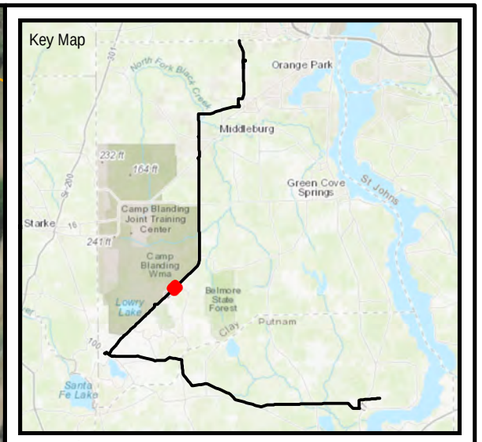
Title
Figure 3-56: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 213: Woodland pastures
  - 251: Horse farms
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 621: Cypress
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 814: Roads

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-57: Land Use, Wetlands & BMPs Map

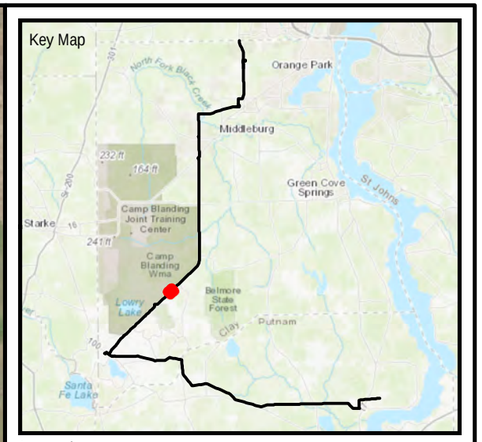
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023

Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 213: Woodland pastures
  - 251: Horse farms
  - 320: Shrub & brushland
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 617: Mixed hardwood wetland
  - 621: Cypress
  - 625: Hydric pine flatwoods
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

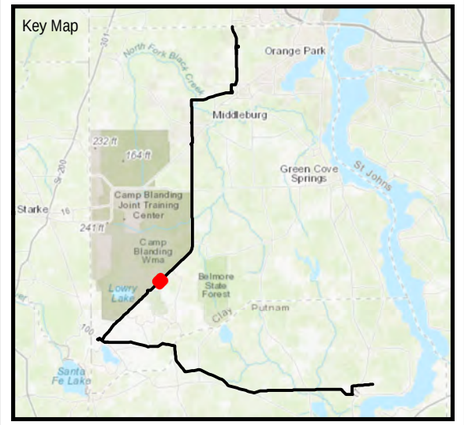
Title
Figure 3-58: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 251: Horse farms
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 621: Cypress
  - 625: Hydric pine flatwoods
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

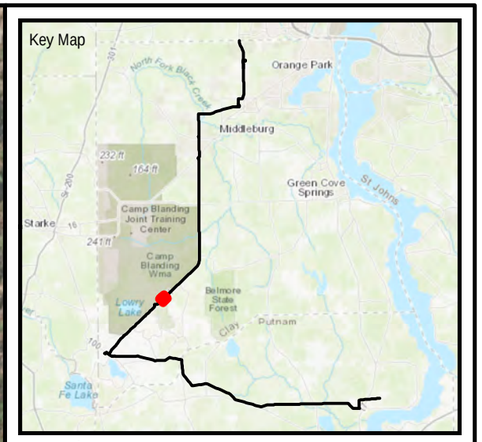
Title
Figure 3-59: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

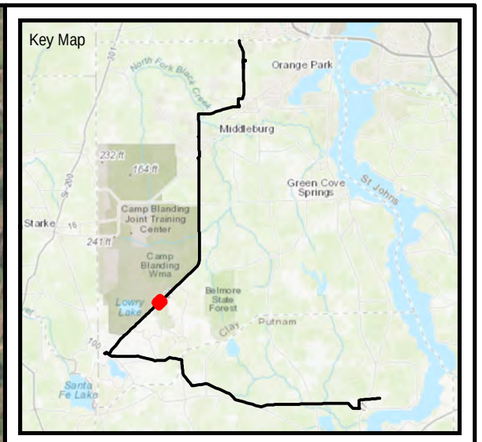
Title
Figure 3-60: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 330: Mixed upland
  - 412: Longleaf pine-xeric oak
  - 441: Pine plantation
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

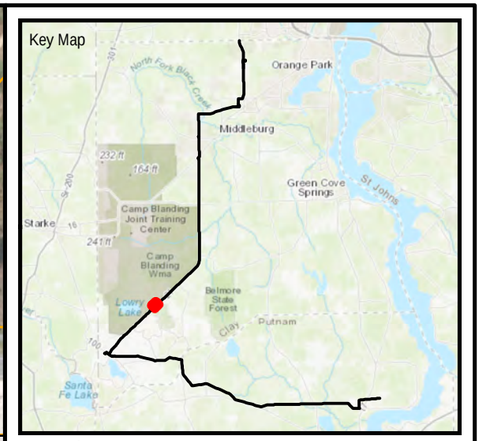
Title
Figure 3-61: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

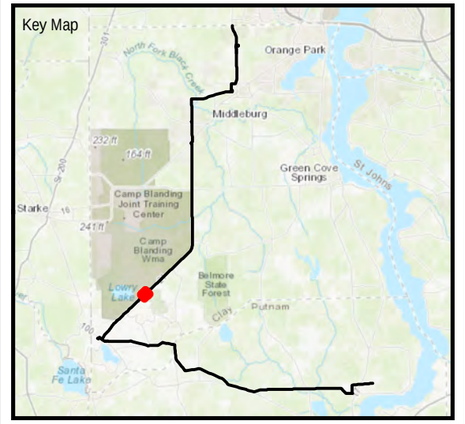
Title
Figure 3-62: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAWX\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

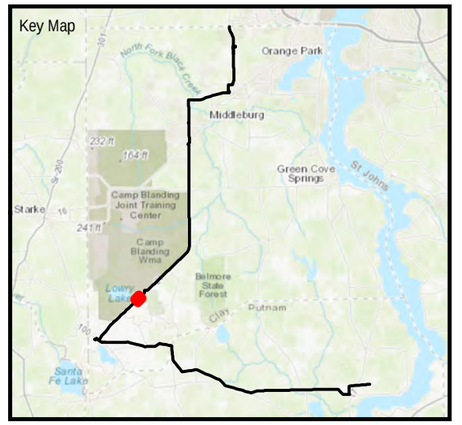
Title
Figure 3-63: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 162: Sand & gravel pits
  - 166: Holding ponds
  - 330: Mixed upland
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

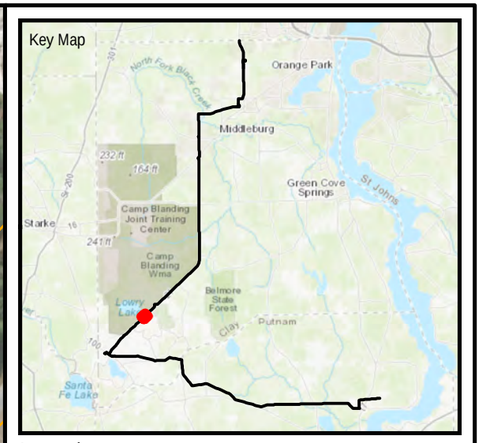
Title
Figure 3-64: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAWKO\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 155: Other light industrial
  - 162: Sand & gravel pits
  - 166: Holding ponds
  - 330: Mixed upland
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 820: Communications
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

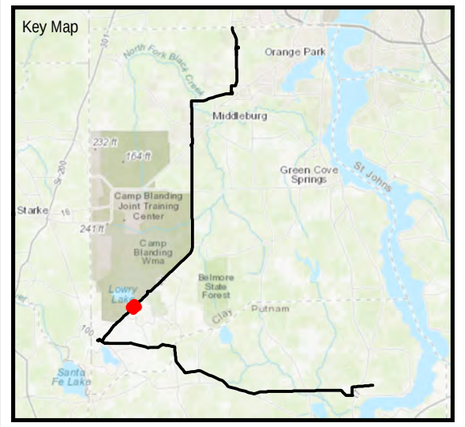
Title
Figure 3-65: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 155: Other light industrial
  - 162: Sand & gravel pits
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 643: Wet prairies
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

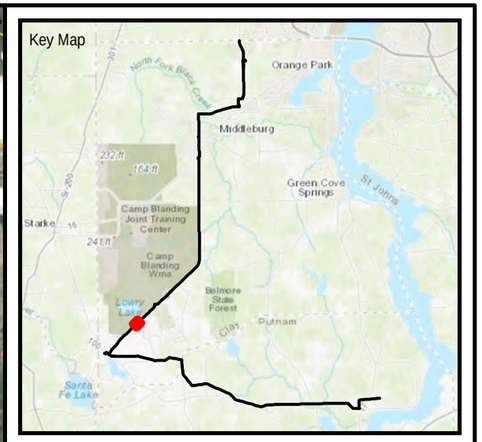
Title
Figure 3-66: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAIWO\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 644: Emergent aquatic vegetation
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

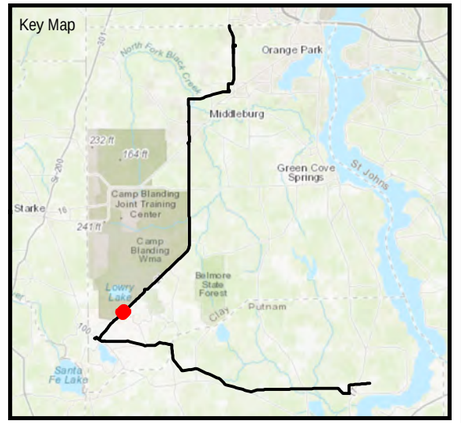
Title
Figure 3-67: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 140: Commercial & services
  - 170: Institutional
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 644: Emergent aquatic vegetation
  - 740: Disturbed land
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

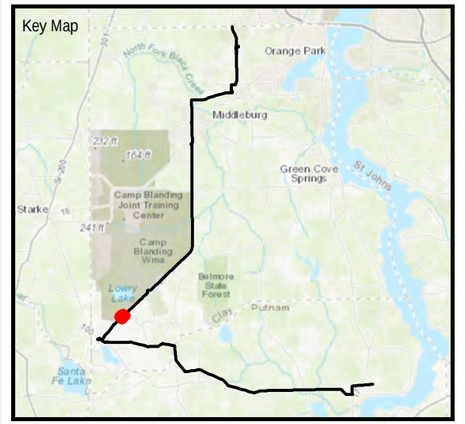
Title
Figure 3-68: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAWX\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 140: Commercial & services
  - 170: Institutional
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 740: Disturbed land

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

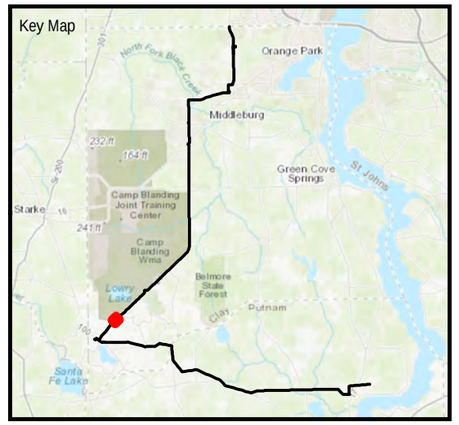
Title
Figure 3-69: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 140: Commercial & services
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 421: Xeric oak
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

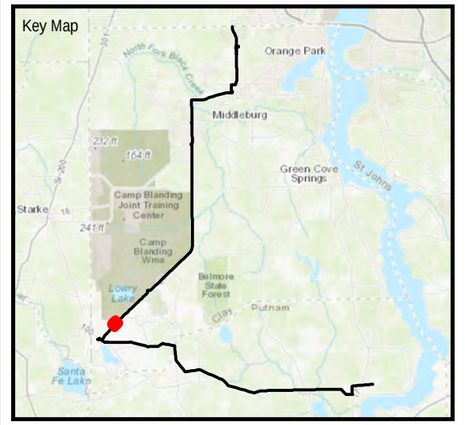
Title
Figure 3-70: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 140: Commercial & services
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 644: Emergent aquatic vegetation
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

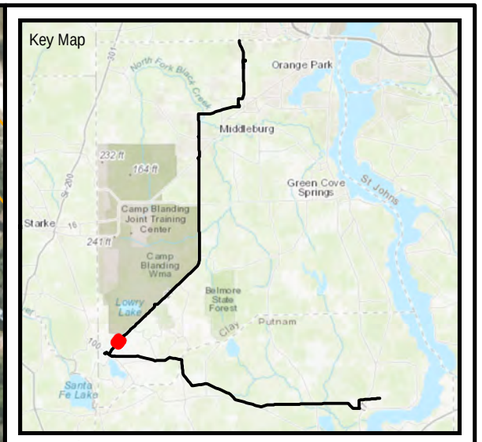
Title
Figure 3-71: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineVA - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 170: Institutional
  - 421: Xeric oak
  - 520: Lakes
  - 644: Emergent aquatic vegetation
  - 740: Disturbed land

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

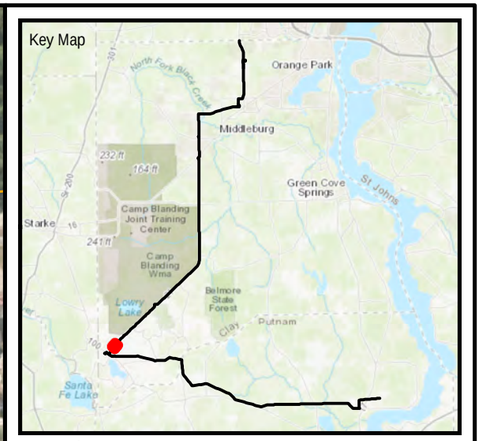
Title
Figure 3-72: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 140: Commercial & services
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 643: Wet prairies
  - 644: Emergent aquatic vegetation
  - 740: Disturbed land
  - 814: Roads

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

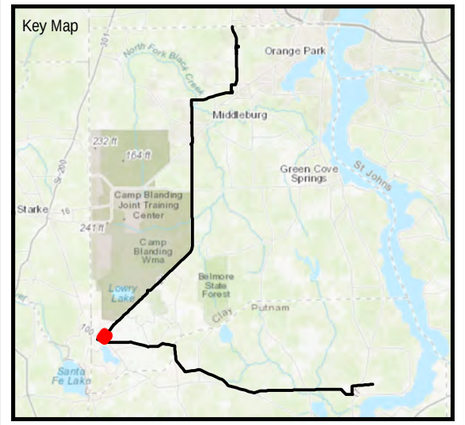
Title
Figure 3-73: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 140: Commercial & services
  - 170: Institutional
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 643: Wet prairies

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

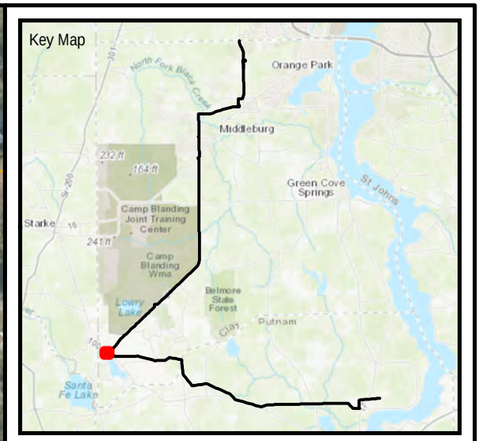
Title
Figure 3-74: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 120: Medium density residential
  - 140: Commercial & services
  - 155: Other light industrial
  - 420: Upland hardwood
  - 643: Wet prairies
  - 740: Disturbed land

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

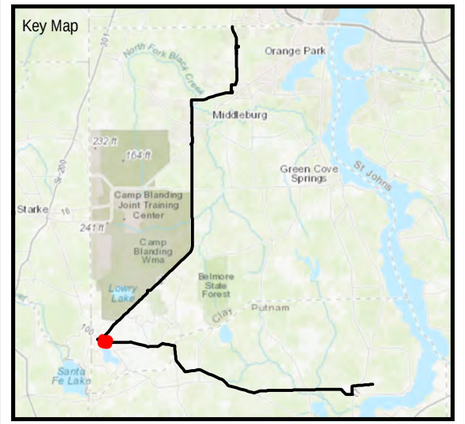
Title
Figure 3-75: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_LineA - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 140: Commercial & services
  - 186: Community recreation facilities
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

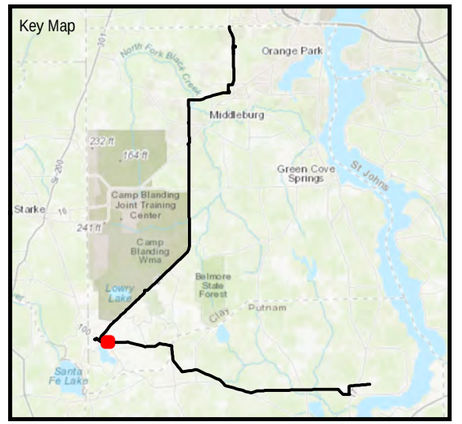
Title
Figure 3-76: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAWO\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

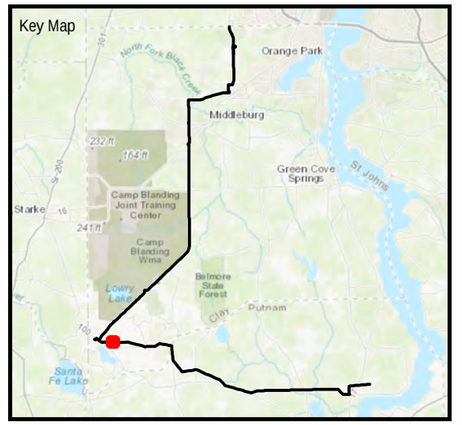
Title
Figure 3-77: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

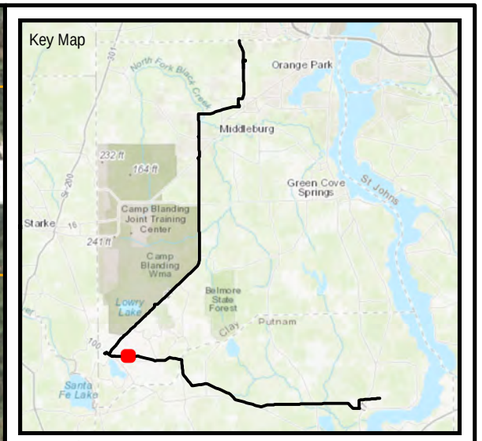
Title
Figure 3-78: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAWX0\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 120: Medium density residential
  - 211: Improved pastures
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

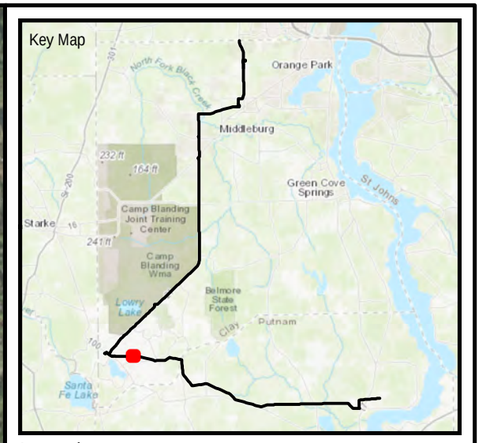
Title
Figure 3-79: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 625: Hydric pine flatwoods
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

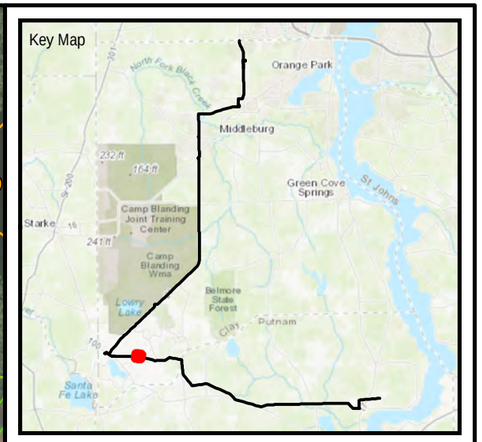
Title
Figure 3-80: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 412: Longleaf pine-xeric oak
  - 520: Lakes
  - 625: Hydric pine flatwoods
  - 643: Wet prairies
  - 644: Emergent aquatic vegetation

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

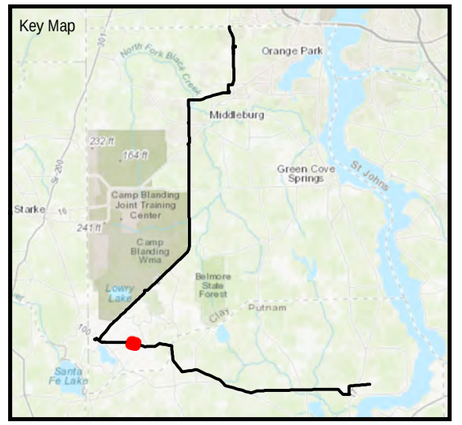
Title
Figure 3-81: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 310: Herbaceous upland
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 643: Wet prairies
  - 644: Emergent aquatic vegetation
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

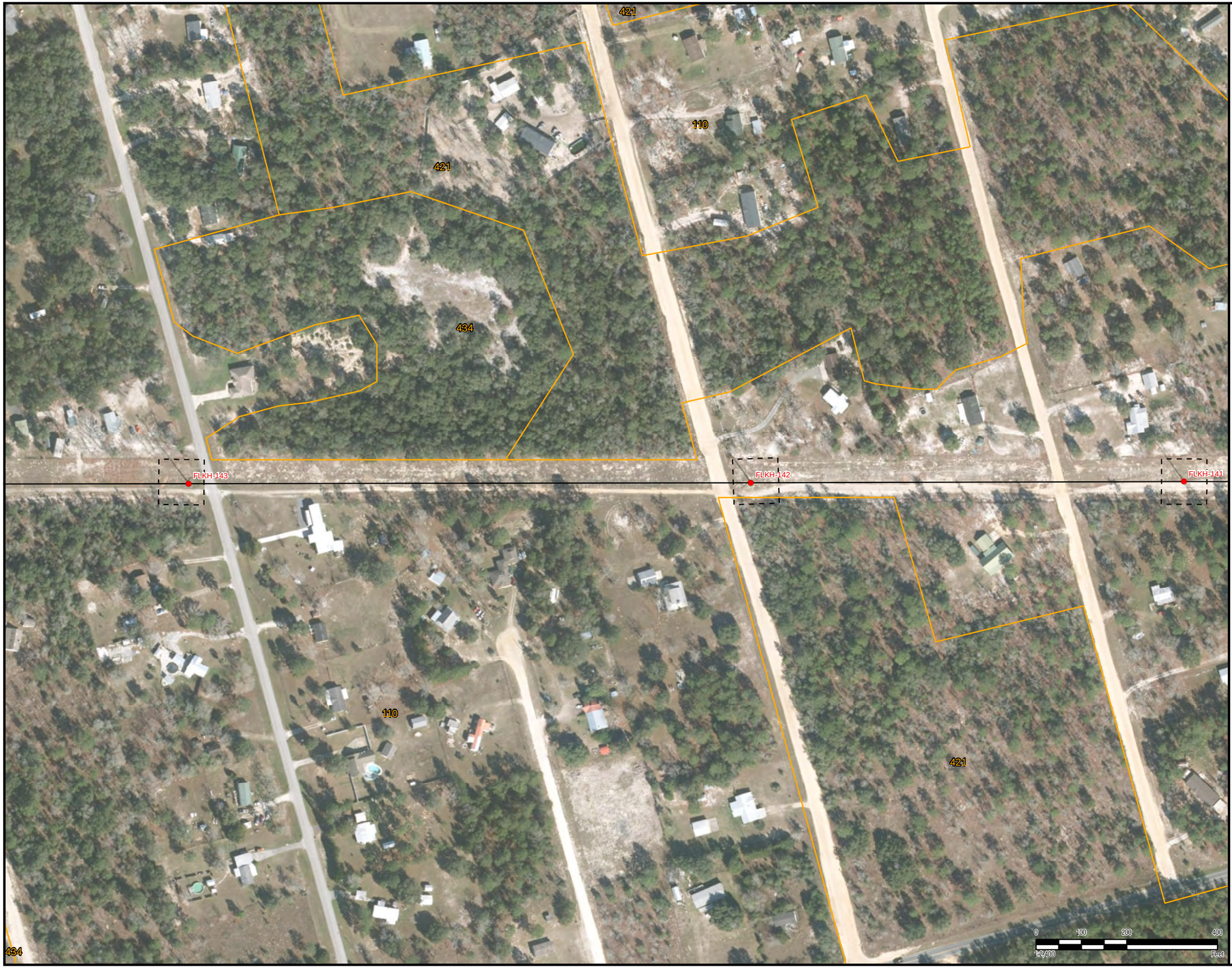
Title
Figure 3-82: Land Use, Wetlands & BMPs Map

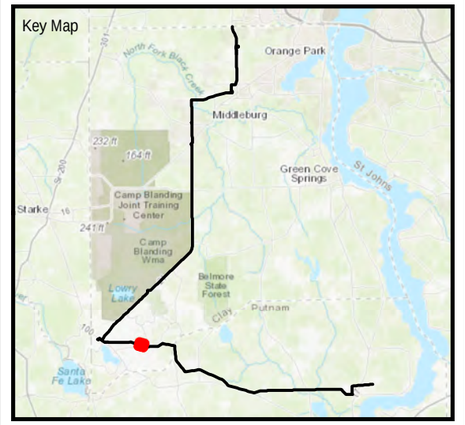
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

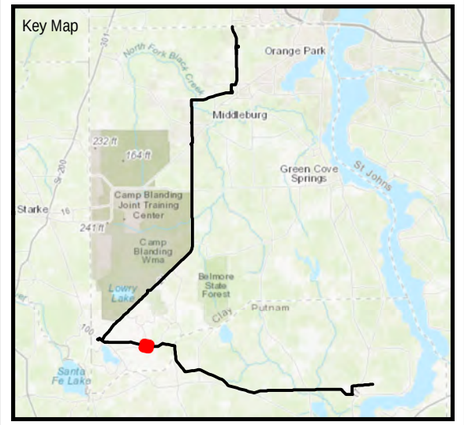
Title
Figure 3-83: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 170: Institutional
  - 310: Herbaceous upland
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

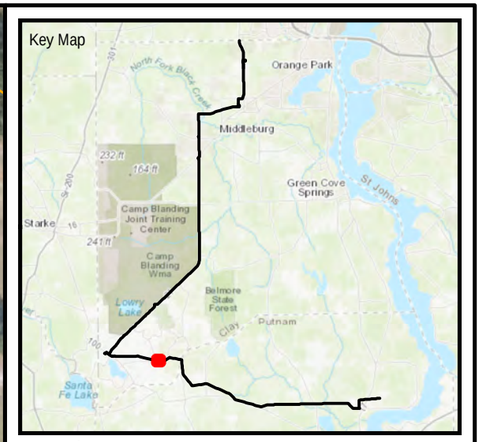
Title
Figure 3-84: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 170: Institutional
  - 310: Herbaceous upland
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 643: Wet prairies
  - 644: Emergent aquatic vegetation
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

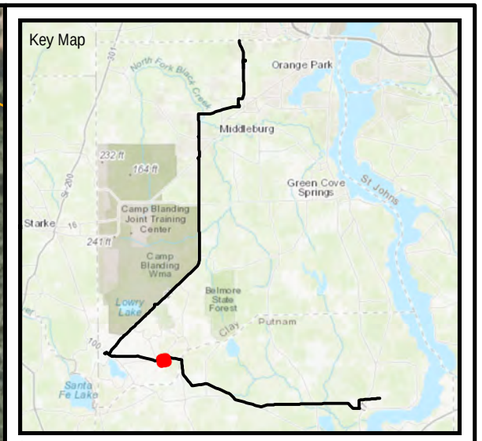
Title
Figure 3-85: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_T_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 213: Woodland pastures
  - 310: Herbaceous upland
  - 320: Shrub & brushland
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 625: Hydric pine flatwoods
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

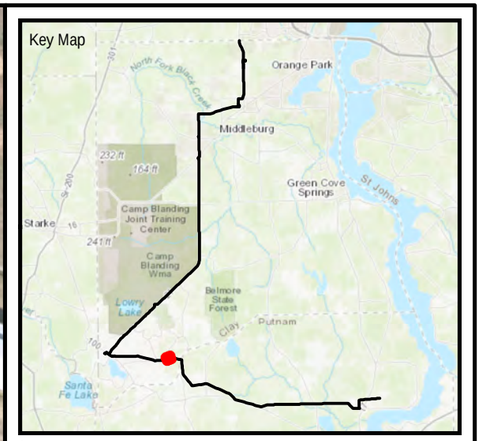
Title
Figure 3-86: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Lim\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 213: Woodland pastures
  - 310: Herbaceous upland
  - 320: Shrub & brushland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 625: Hydric pine flatwoods
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 740: Disturbed land
  - 741: Rural land in transition
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

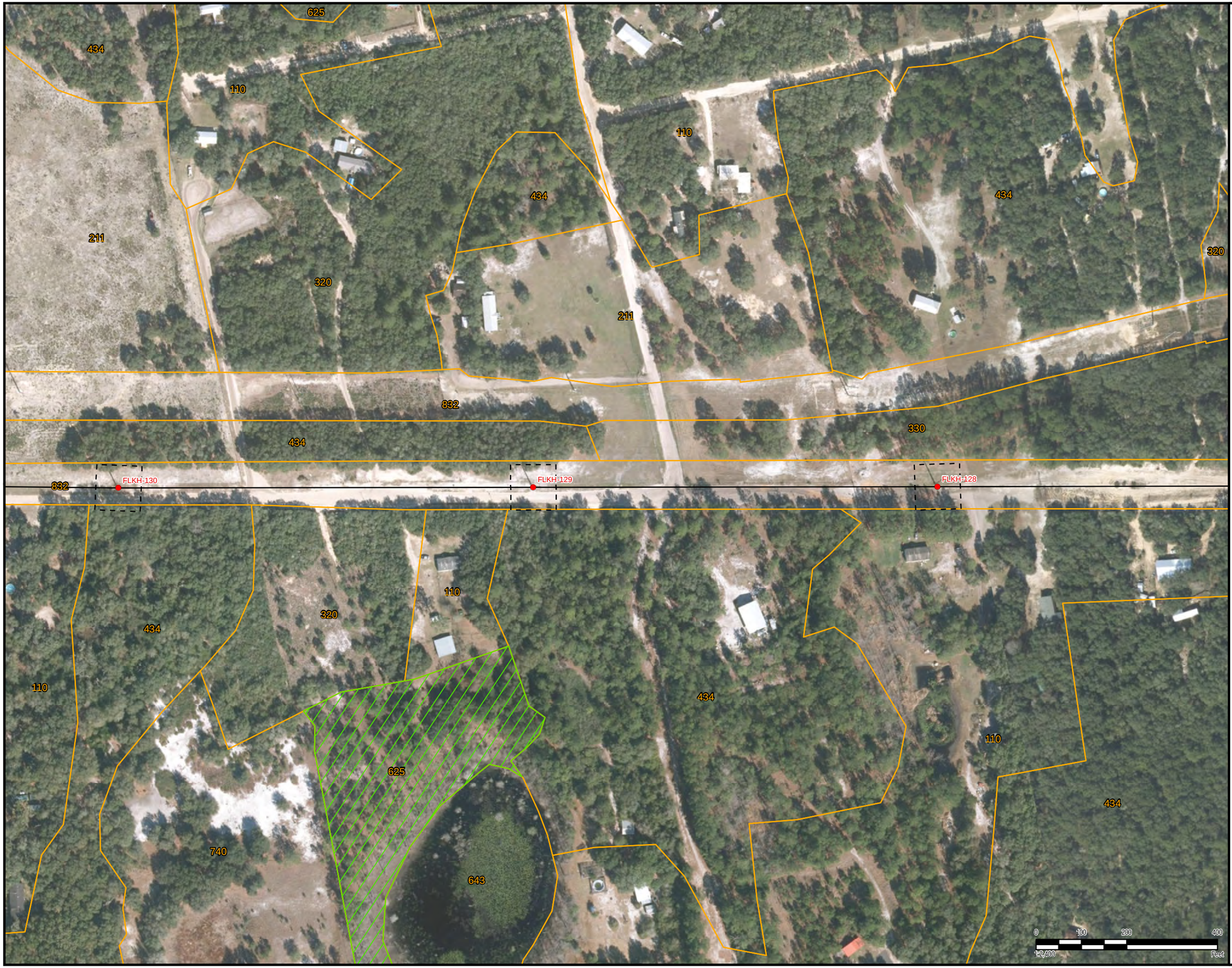
Title
Figure 3-87: Land Use, Wetlands & BMPs Map

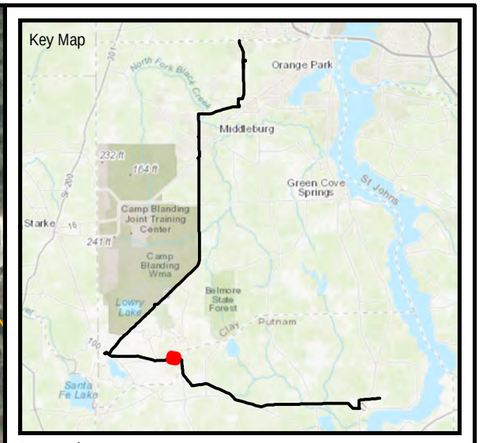
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\SGS - Seminole SGS to JEA T_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 320: Shrub & brushland
  - 330: Mixed upland
  - 434: Upland mixed coniferous/hardwood
  - 625: Hydric pine flatwoods
  - 643: Wet prairies
  - 740: Disturbed land
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

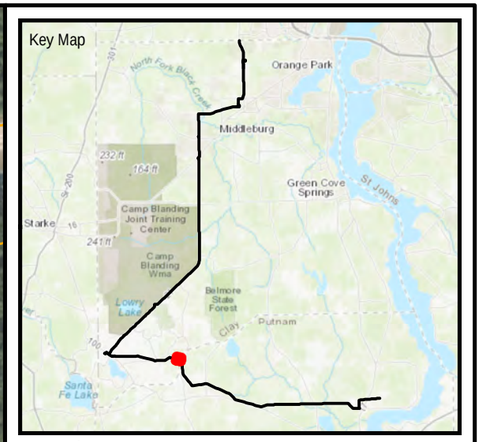
Title
Figure 3-88: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAIWXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 213: Woodland pastures
  - 251: Horse farms
  - 320: Shrub & brushland
  - 330: Mixed upland
  - 434: Upland mixed coniferous/hardwood
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

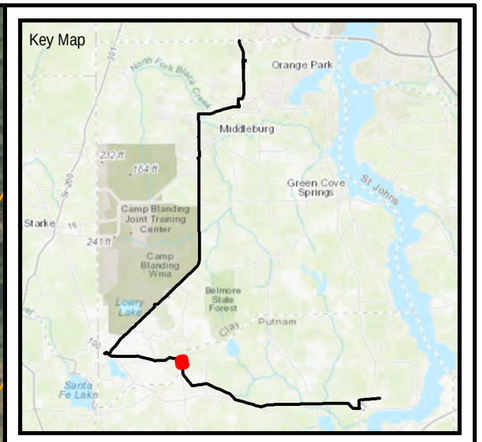
Title
Figure 3-89: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 213: Woodland pastures
  - 243: Shade ferns
  - 251: Horse farms
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 644: Emergent aquatic vegetation
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

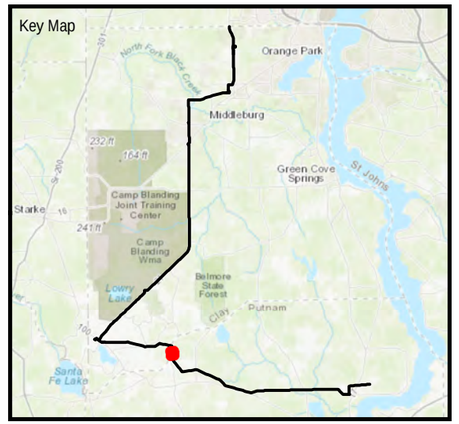
Title
Figure 3-90: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 213: Woodland pastures
  - 251: Horse farms
  - 310: Herbaceous upland
  - 320: Shrub & brushland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 641: Freshwater marsh
  - 740: Disturbed land
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

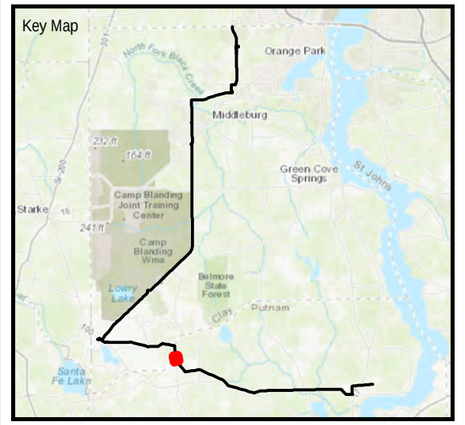
Title
Figure 3-91: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 118: Rural residential
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 434: Upland mixed coniferous/hardwood
  - 520: Lakes
  - 630: Mixed forested wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 740: Disturbed land
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

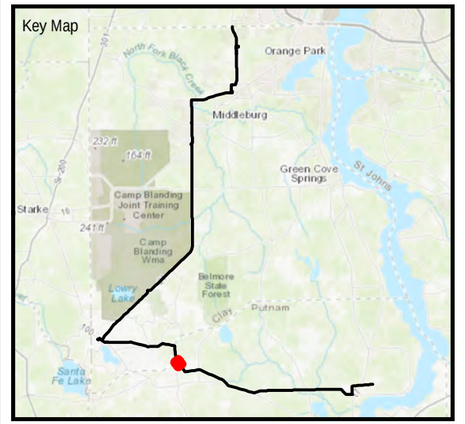
Title
Figure 3-92: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 412: Longleaf pine-xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 621: Cypress
  - 630: Mixed forested wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

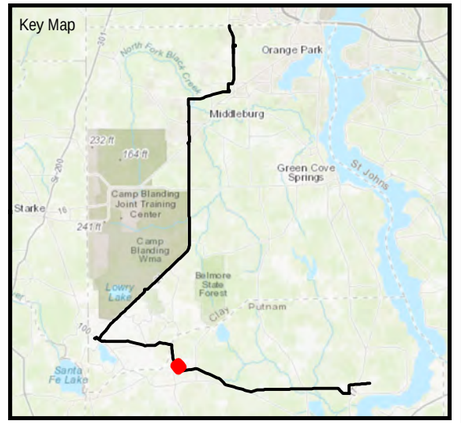
Title
Figure 3-93: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 434: Upland mixed coniferous/hardwood
  - 621: Cypress
  - 630: Mixed forested wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 644: Emergent aquatic vegetation
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

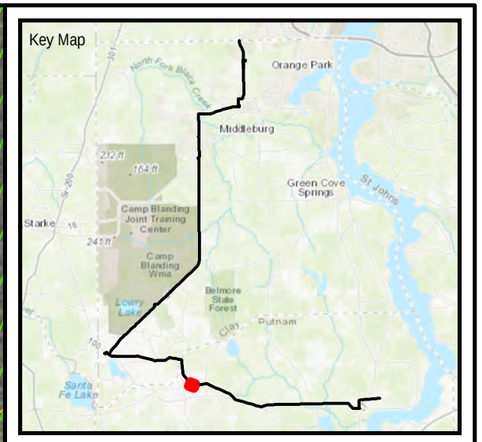
Title
Figure 3-94: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 434: Upland mixed coniferous/hardwood
  - 617: Mixed hardwood wetland
  - 621: Cypress
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

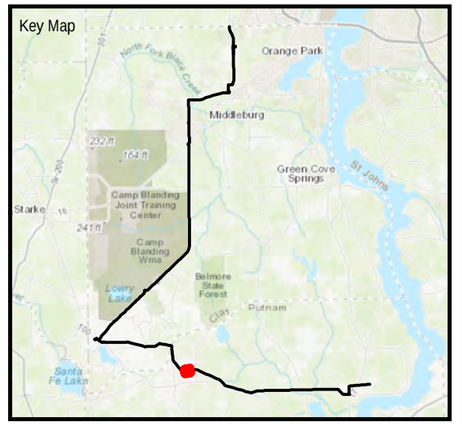
Title
Figure 3-95: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 215: Field crops
  - 434: Upland mixed coniferous/hardwood
  - 511: Ditches
  - 621: Cypress
  - 630: Mixed forested wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

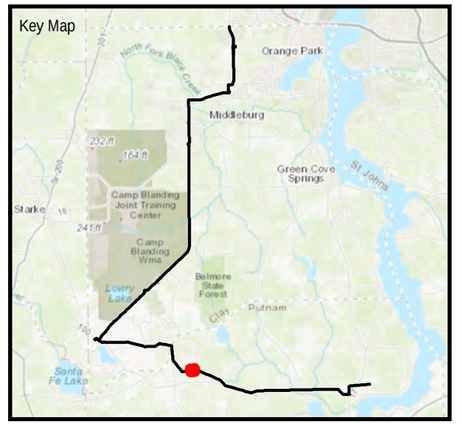
Title
Figure 3-96: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 213: Woodland pastures
  - 215: Field crops
  - 434: Upland mixed coniferous/hardwood
  - 643: Wet prairies
  - 831: Electrical power facilities

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

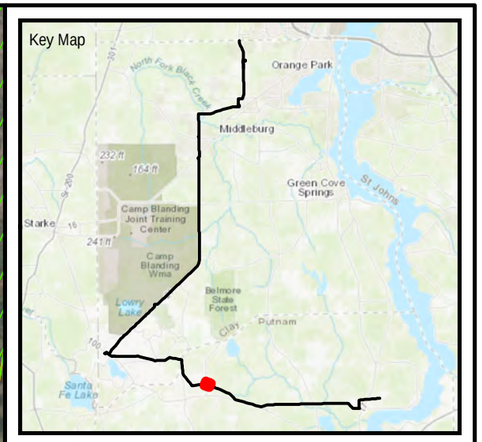
Title
Figure 3-97: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 215: Field crops
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 511: Ditches
  - 530: Reservoirs
  - 646: Mixed scrub-shrub wetland
  - 831: Electrical power facilities
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

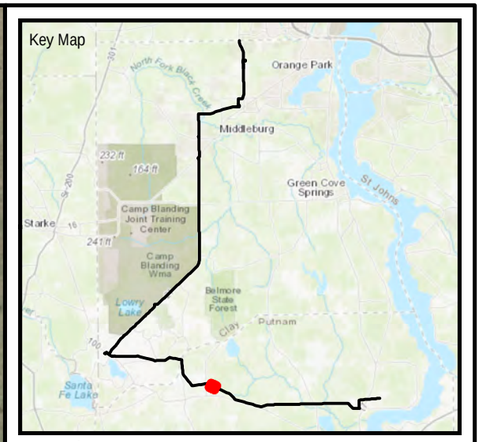
Title
Figure 3-98: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAWX\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 215: Field crops
  - 434: Upland mixed coniferous/hardwood
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

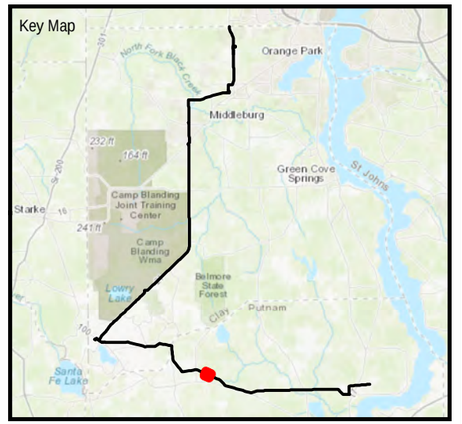
Title
Figure 3-99: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 215: Field crops
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

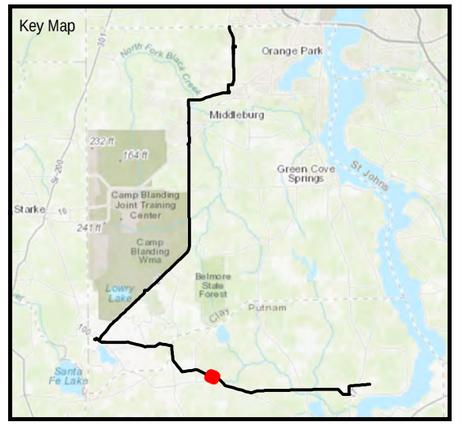
Title
Figure 3-100: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 434: Upland mixed coniferous/hardwood
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 820: Communications
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

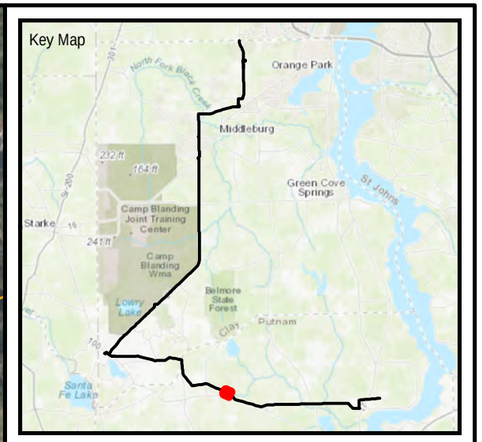
Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-101: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ
Project No.	0697845
Revision No.	0
Control	A003B

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 118: Rural residential
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 820: Communications
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

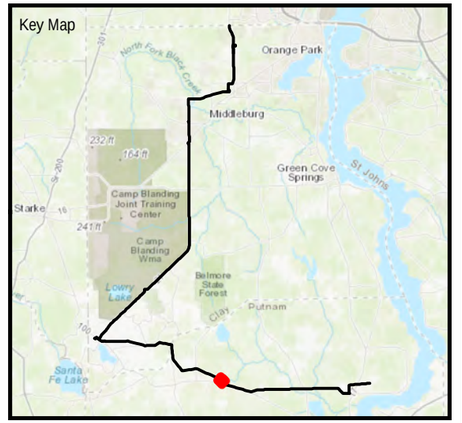
Title
Figure 3-102: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 118: Rural residential
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

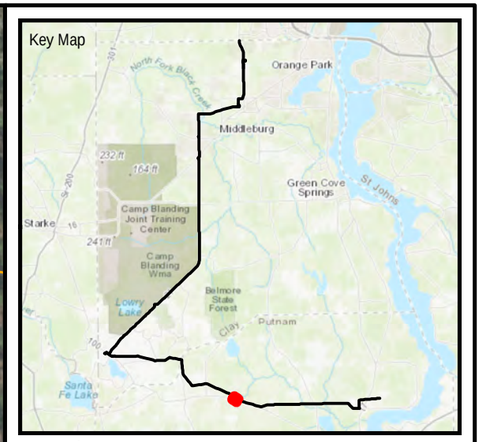
Title
Figure 3-103: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 170: Institutional
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

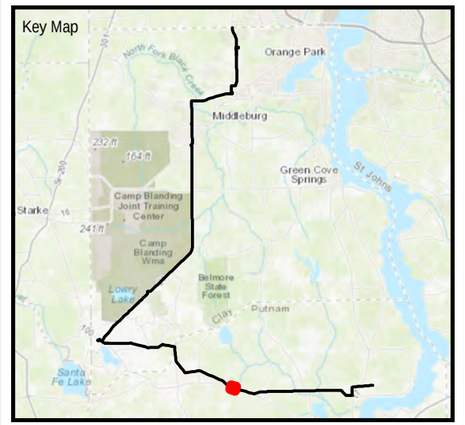
Title
Figure 3-104: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

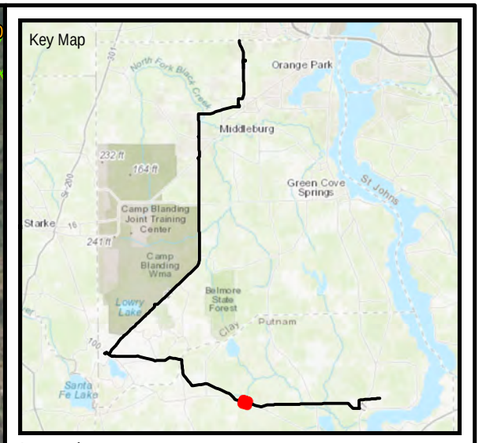
Title
Figure 3-105: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_LineA - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

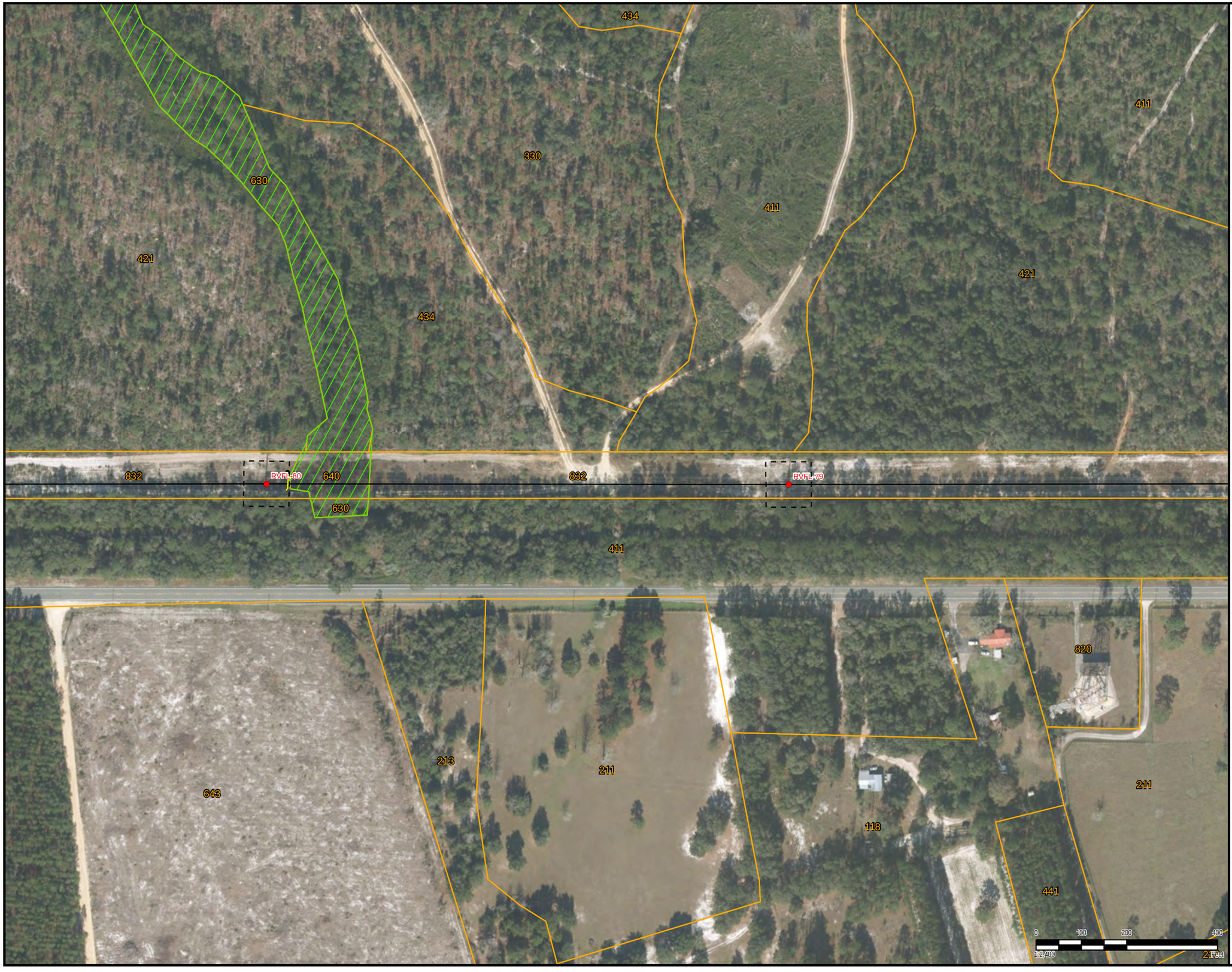
Title
Figure 3-106: Land Use, Wetlands & BMPs Map

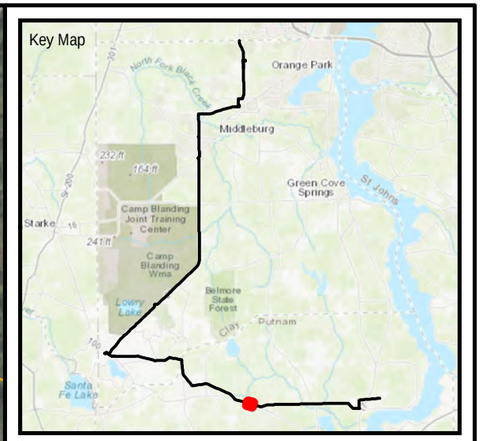
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_LineA - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 211: Improved pastures
  - 213: Woodland pastures
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 820: Communications
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

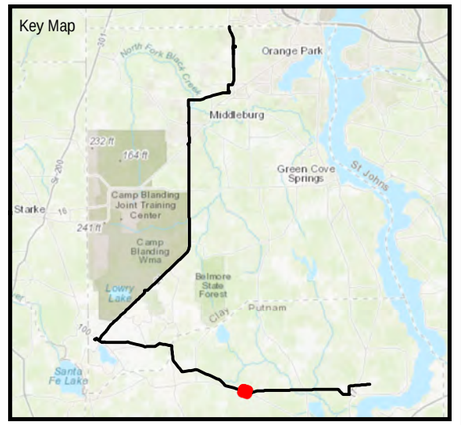
Title
Figure 3-107: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA 1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 211: Improved pastures
  - 213: Woodland pastures
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 820: Communications
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

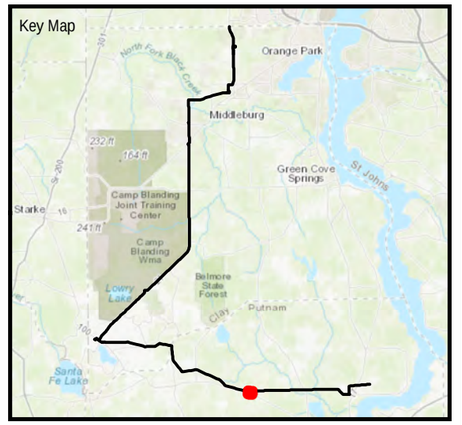
Title
Figure 3-108: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 820: Communications
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

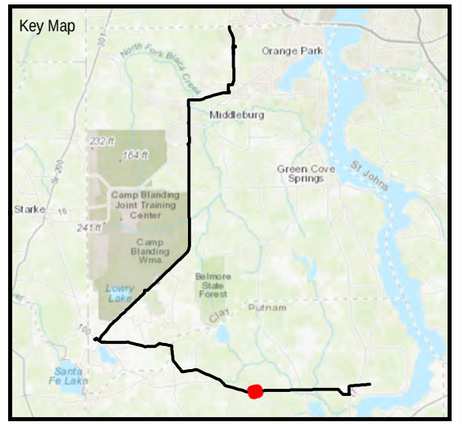
Title
Figure 3-109: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

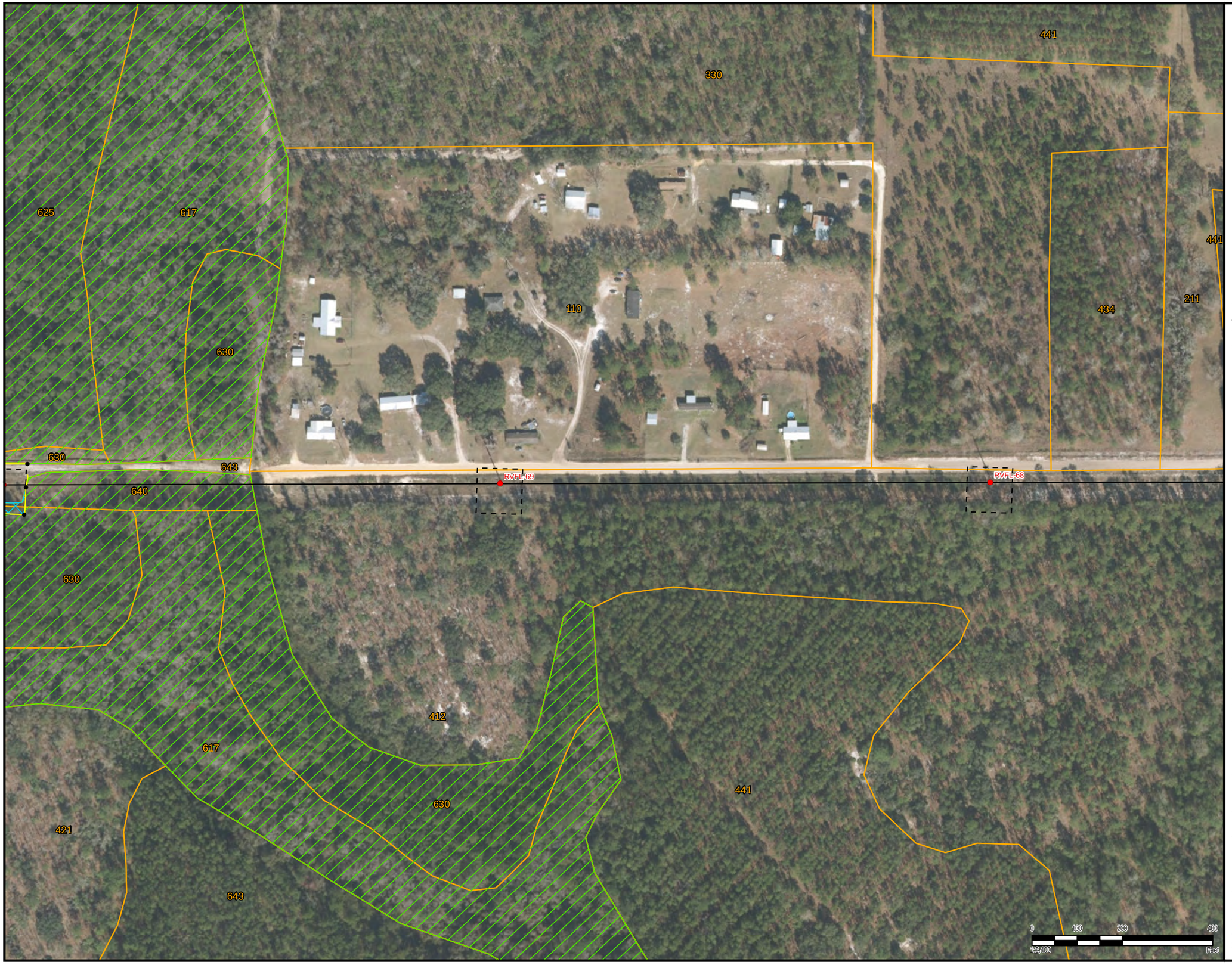
Title
Figure 3-110: Land Use, Wetlands & BMPs Map

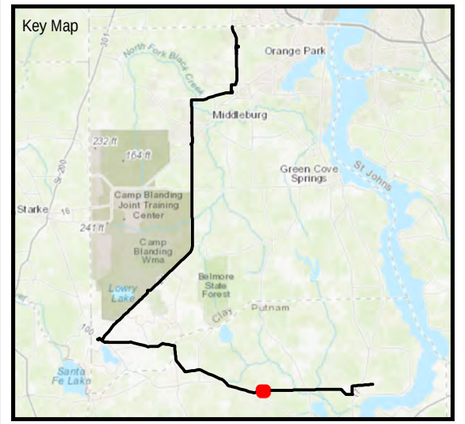
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 330: Mixed upland
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

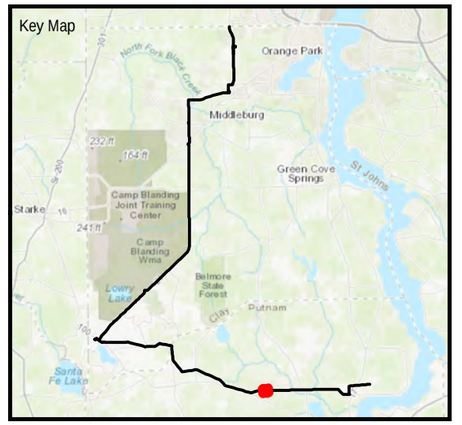
Title
Figure 3-111: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 330: Mixed upland
  - 412: Longleaf pine-xeric oak
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

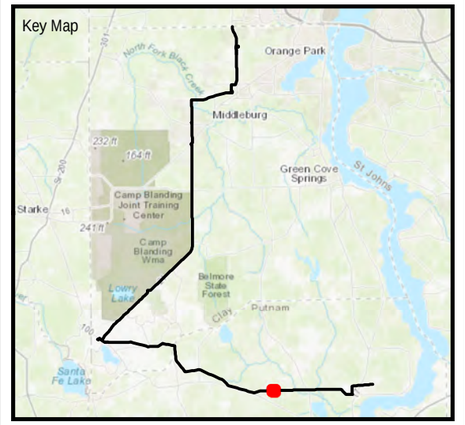
Title
Figure 3-112: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 215: Field crops
  - 420: Upland hardwood
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

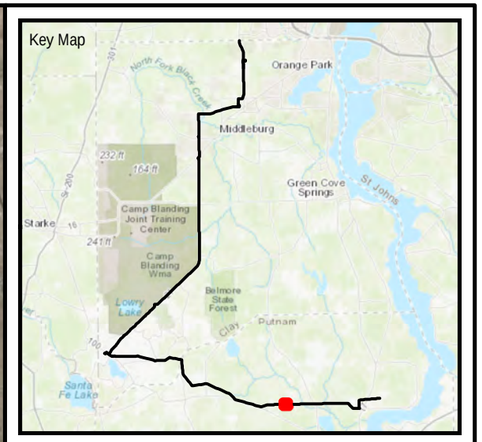
Title
Figure 3-113: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 118: Rural residential
  - 215: Field crops
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

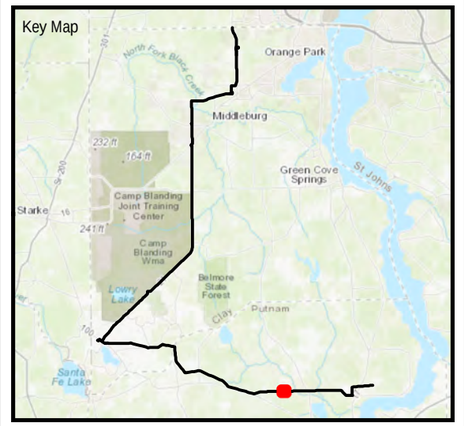
Title
Figure 3-114: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 215: Field crops
  - 310: Herbaceous upland
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 820: Communications
  - 831: Electrical power facilities
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

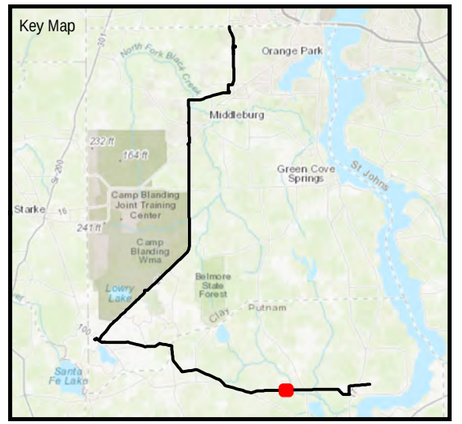
Title
Figure 3-115: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 310: Herbaceous upland
  - 330: Mixed upland
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

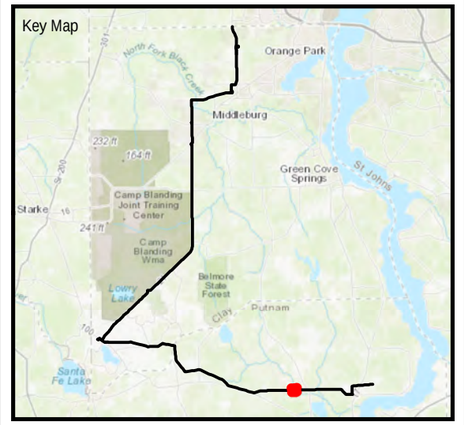
Title
Figure 3-116: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 140: Commercial & services
  - 151: Food processing
  - 330: Mixed upland
  - 420: Upland hardwood
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 511: Ditches
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

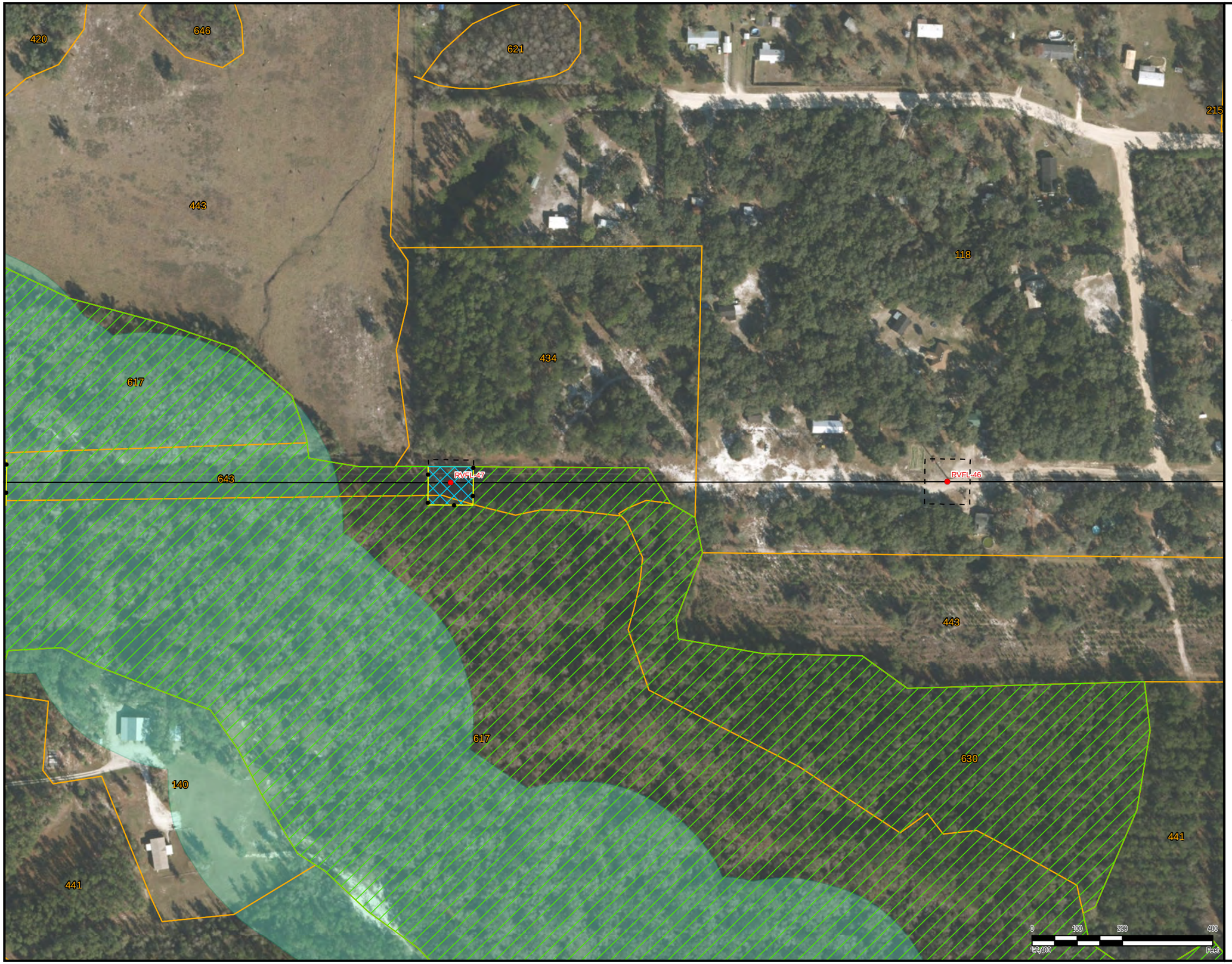
Title
Figure 3-117: Land Use, Wetlands & BMPs Map

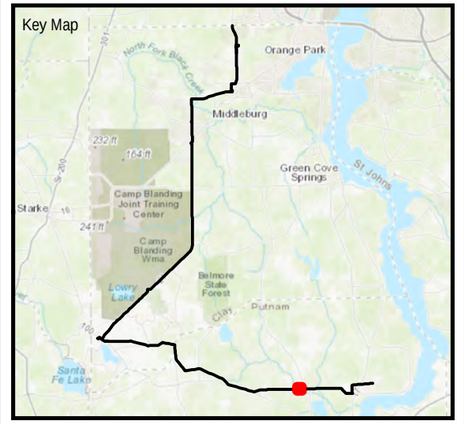
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAM\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 140: Commercial & services
  - 215: Field crops
  - 420: Upland hardwood
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 621: Cypress
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

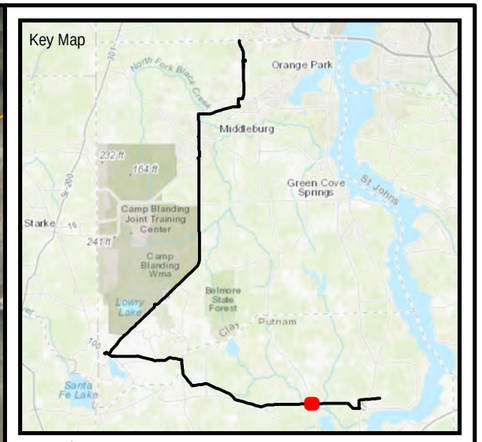
Title
Figure 3-118: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 211: Improved pastures
  - 215: Field crops
  - 251: Horse farms
  - 320: Shrub & brushland
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 511: Ditches
  - 520: Lakes
  - 530: Reservoirs
  - 617: Mixed hardwood wetland
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

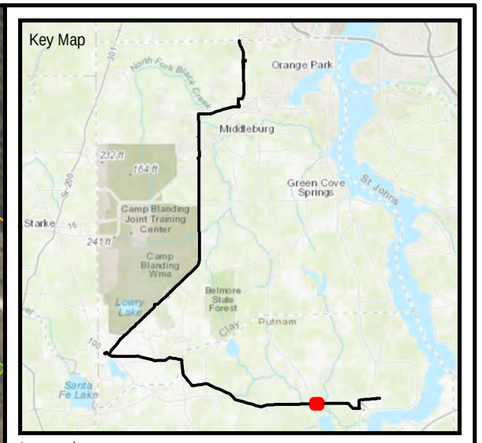
Title
Figure 3-119: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\SGS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 148: Cemeteries
  - 211: Improved pastures
  - 251: Horse farms
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 511: Ditches
  - 530: Reservoirs
  - 621: Cypress
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

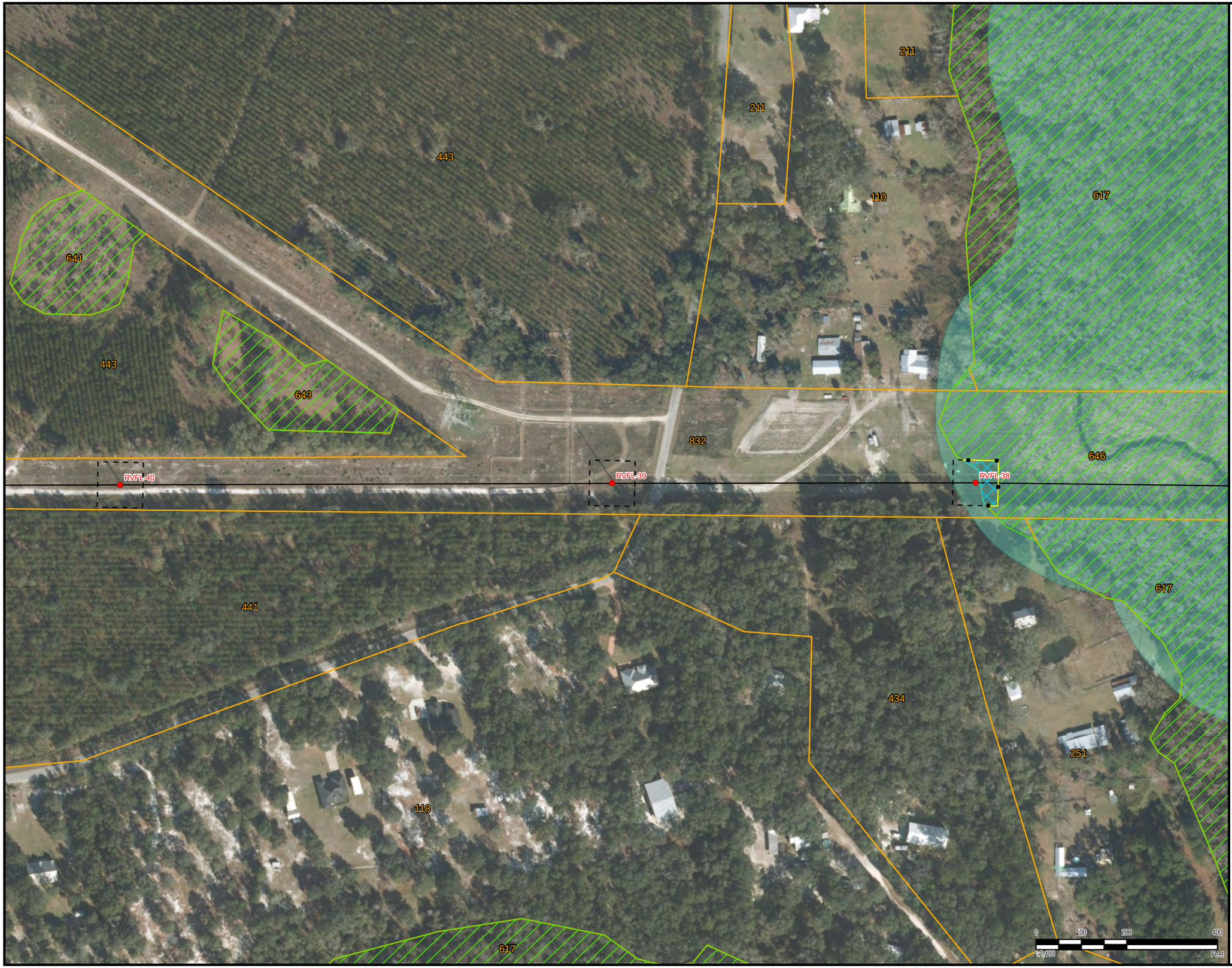
Title
Figure 3-120: Land Use, Wetlands & BMPs Map

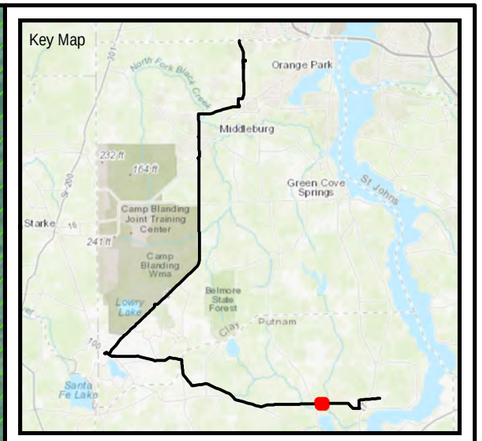
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EAWX\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023





Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 118: Rural residential
  - 211: Improved pastures
  - 251: Horse farms
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 641: Freshwater marsh
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

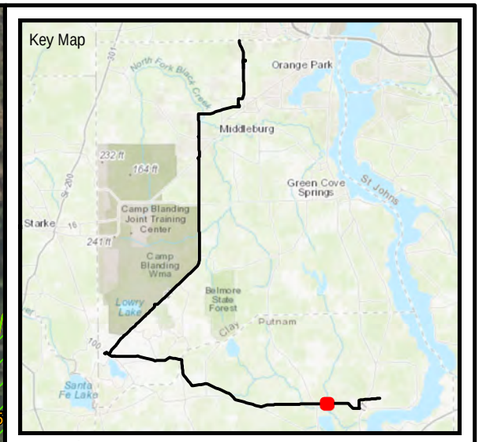
Title
Figure 3-121: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 251: Horse farms
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

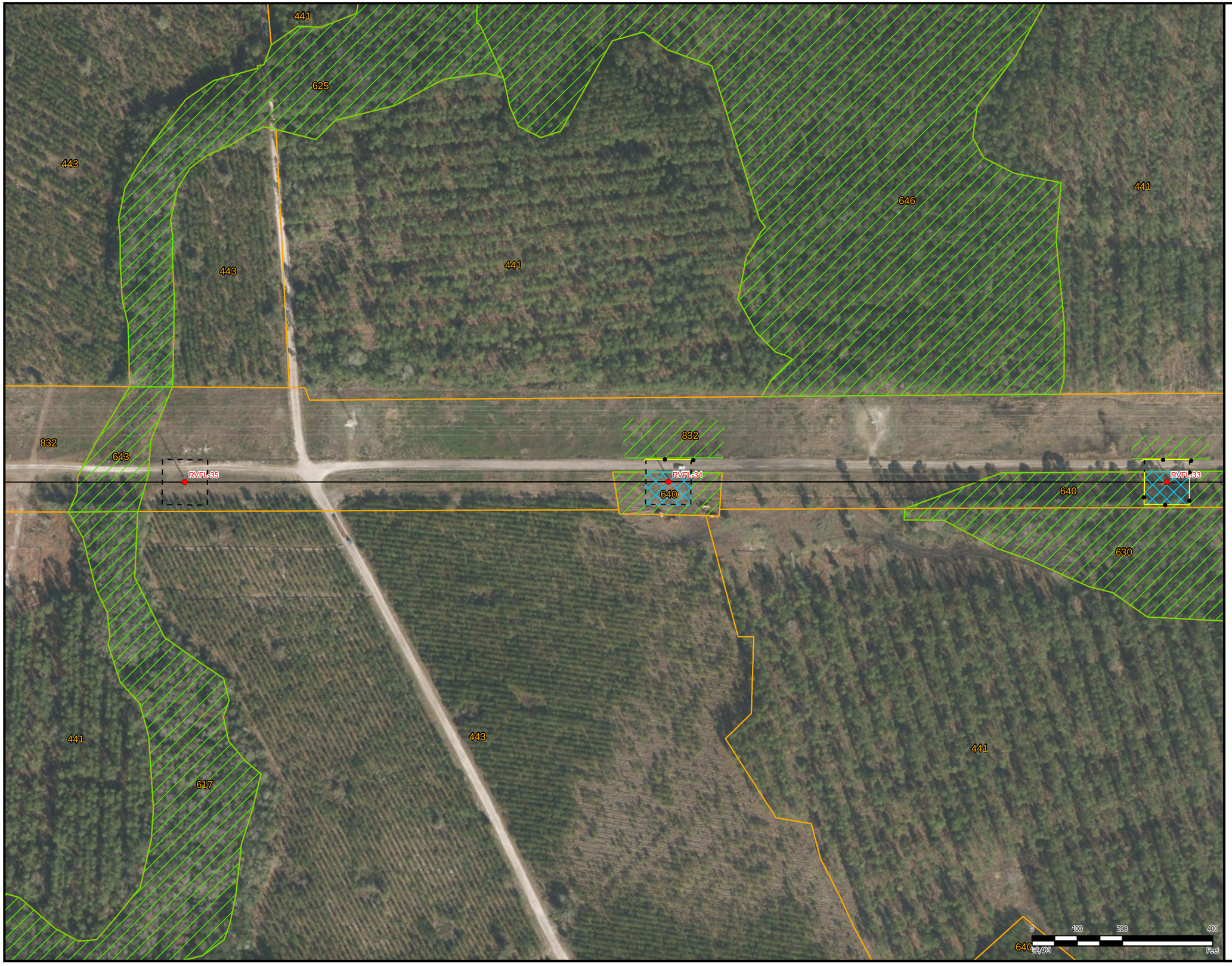
Title
Figure 3-122: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

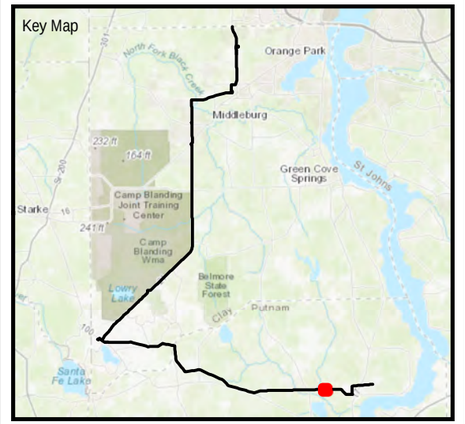
ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

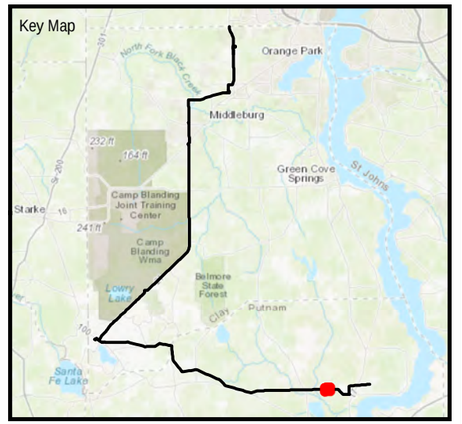
Title
Figure 3-123: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 443: Forest regeneration
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

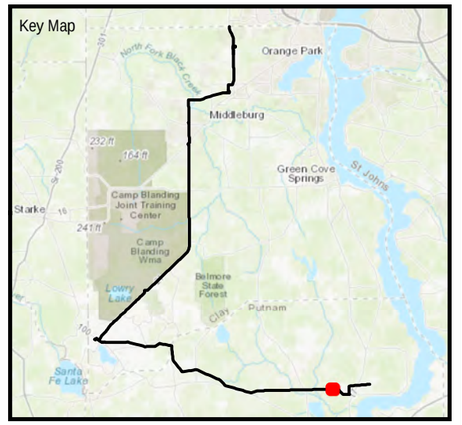
Title
Figure 3-124: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 441: Pine plantation
  - 443: Forest regeneration
  - 617: Mixed hardwood wetland
  - 625: Hydric pine flatwoods
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

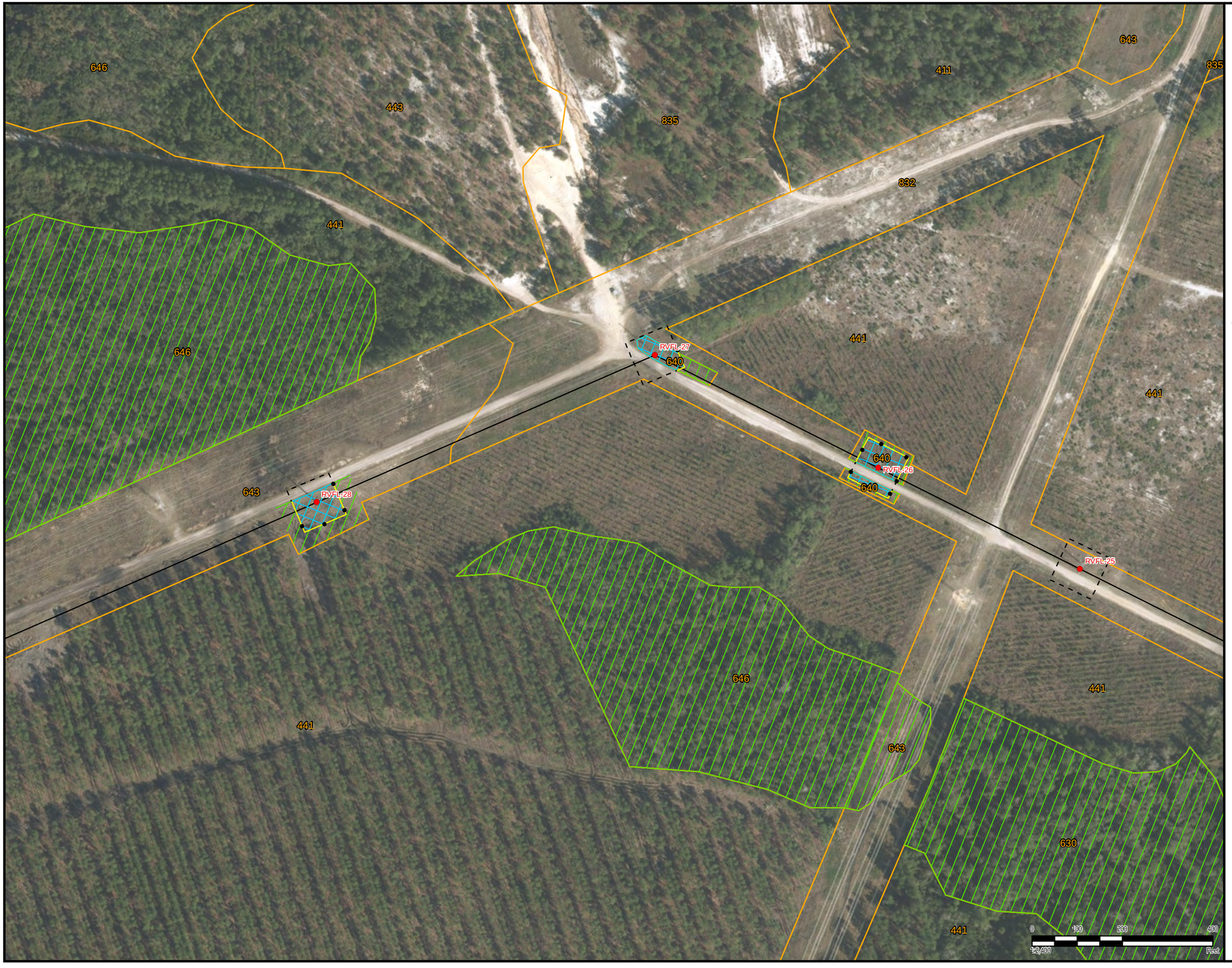
Title
Figure 3-125: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

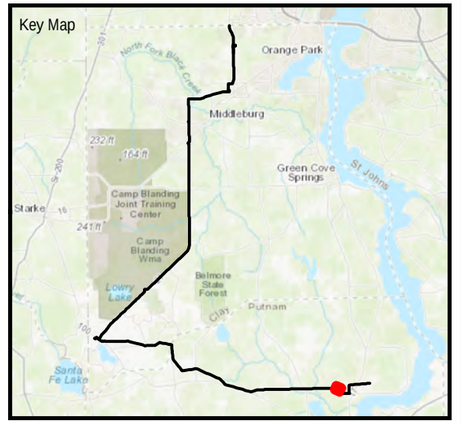
ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 411: Pine flatwoods
  - 441: Pine plantation
  - 443: Forest regeneration
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines
  - 835: Solid waste disposal

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

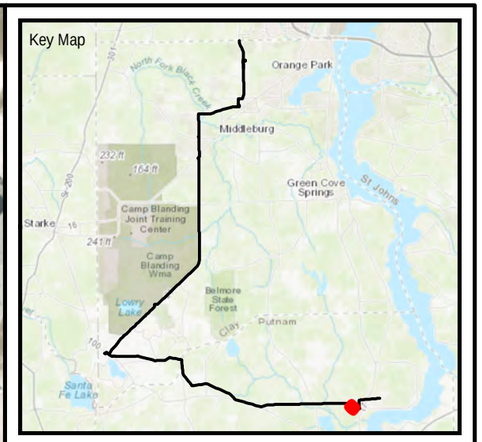
Title
Figure 3-126: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EAM\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 175: Governmental
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 621: Cypress
  - 625: Hydric pine flatwoods
  - 630: Mixed forested wetland
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 646: Mixed scrub-shrub wetland
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

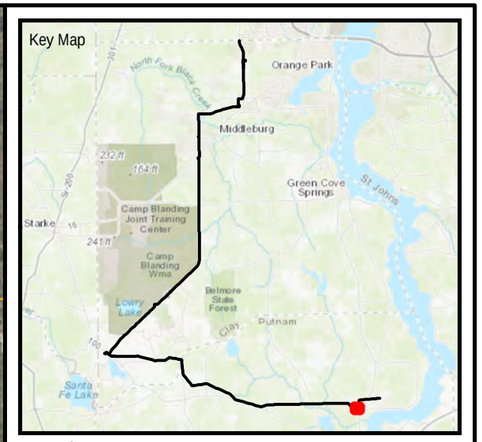
Title
Figure 3-127: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 118: Rural residential
  - 175: Governmental
  - 211: Improved pastures
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 530: Reservoirs
  - 625: Hydric pine flatwoods
  - 640: Vegetated non-forested wetland
  - 644: Emergent aquatic vegetation
  - 646: Mixed scrub-shrub wetland
  - 831: Electrical power facilities
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

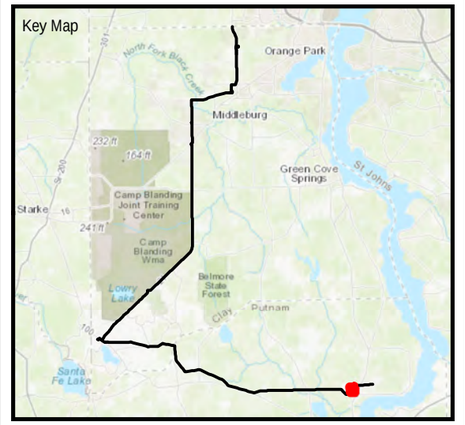
Title
Figure 3-128: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_LineVA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 420: Upland hardwood
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 630: Mixed forested wetland
  - 646: Mixed scrub-shrub wetland
  - 743: Spoil areas
  - 835: Solid waste disposal
  - 836: Sewage plants

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-129: Land Use, Wetlands & BMPs Map

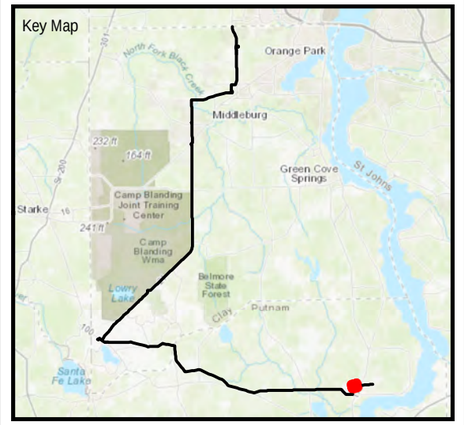
Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023

Key Map



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 211: Improved pastures
  - 310: Herbaceous upland
  - 411: Pine flatwoods
  - 420: Upland hardwood
  - 441: Pine plantation
  - 443: Forest regeneration
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 743: Spoil areas
  - 832: Electrical power transmission lines
  - 835: Solid waste disposal
  - 836: Sewage plants

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

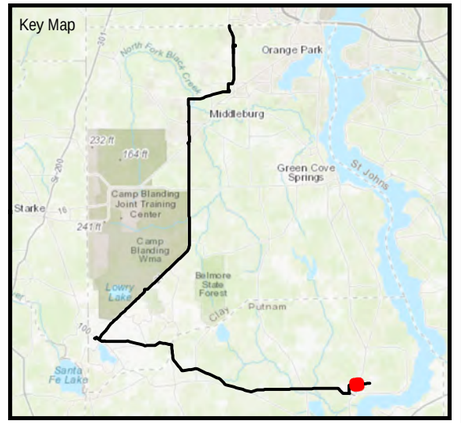
Title
Figure 3-130: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineA - EAMXD\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 211: Improved pastures
  - 320: Shrub & brushland
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 530: Reservoirs
  - 630: Mixed forested wetland
  - 643: Wet prairies
  - 646: Mixed scrub-shrub wetland
  - 740: Disturbed land
  - 741: Rural land in transition
  - 814: Roads
  - 832: Electrical power transmission lines
  - 837: Surface water collection basins

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

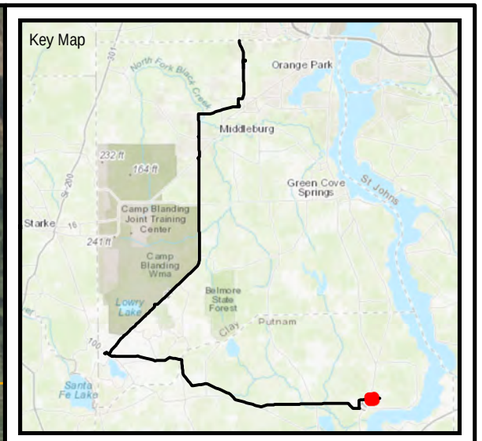
Title
Figure 3-131: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA T_Line\A - EAIWO\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 320: Shrub & brushland
  - 411: Pine flatwoods
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 511: Ditches
  - 621: Cypress
  - 640: Vegetated non-forested wetland
  - 641: Freshwater marsh
  - 740: Disturbed land
  - 741: Rural land in transition
  - 832: Electrical power transmission lines

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

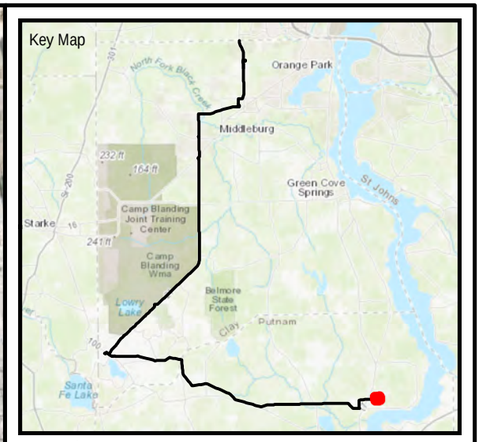
Title
Figure 3-132: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\collin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_LineVA - EAM\0\0697845_A003B Land Use & Wetlands.mxd - collin.hayes - 10/16/2023



Legend

- Transmission Structure (Approximate)
- Transmission Line (Approximate)
- Sediment & Erosion Controls (Conceptual)
- Work Area
- Temporary Matting
- Approximate Wetland & OSW Limits
- Retained Waters
- Land Use
  - 110: Residential, low density
  - 330: Mixed upland
  - 411: Pine flatwoods
  - 420: Upland hardwood
  - 421: Xeric oak
  - 434: Upland mixed coniferous/hardwood
  - 441: Pine plantation
  - 743: Spoil areas
  - 831: Electrical power facilities
  - 832: Electrical power transmission lines
  - 833: Water supply plants
  - 836: Sewage plants

Source(s):
- TRANSMISSION STRUCTURE AND LINE PROVIDED BY SECI, 2023
- WETLAND AND LAND USE BASED ON FLUCFCS PROVIDED BY SJRWMD, 2014 AND MODIFIED AFTER SITE VISIT BY ERM, 8/2023
- RETAINED WATERS PROVIDED BY FDEP, 10/2023
- SERVICE LAYER CREDITS: SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
SOURCE: ESRI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

Client
Seminole Electric Cooperative, Inc
Clay & Putnam County, FL

Project
SGS - JEA Transmission Line Ugrade

Title
Figure 3-133: Land Use, Wetlands & BMPs Map

Date	10/16/2023
Prepared By	CH
Reviewed By	AZ
Approved By	AZ

ERM Tampa
8875 Hidden River Parkway
Suite 3559
Tampa, FL 33637

Project No. 0697845 Revision No. 0 Control A003B

C:\Users\colin.hayes\Desktop\GIS Projects\GIS - Seminole SGS to JEA_1_Line\A - EA\MXD\0697845_A003B Land Use & Wetlands.mxd - colin.hayes - 10/16/2023