December 11, 2024

Cindy Mulkey
Deputy Director, Water Resource Management
Siting Coordination Office
Florida Department of Environmental Protection
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400
Submitted electronically to: sco@floridadep.gov

Re: FPL Sweatt-Whidden 230 kV Transmission Line Project
TLSA Application No. TA22-19
Segment 3: Sweatt-Whidden 230kV Line | Waterway-Dorr Field Section
Listed Species Survey

Dear Ms. Mulkey,

Pursuant to *Section A. Condition XXI. and Section B. Condition II. J.* of the Conditions of Certification, Florida Power & Light Company (FPL) respectfully submits the enclosed listed species survey reports for the crested caracara and sand skink and the gopher tortoise survey maps for Segment 3 of the FPL Sweatt – Whidden 230 kV Transmission Line. This submittal is for informational purposes only to the Florida Department of Transportation (FDOT).

FPL looks forward to continuing working with the Department and other agencies during the Post-Certification process. If you have additional questions, please do not hesitate to contact Nick Zweber at (561) 348-4387 or Nick.Zweber@fpl.com.

Best Regards,

Franck Leblanc

Digitally signed by Franck Leblanc
DN: cn=Franck Leblanc, o=Florida Power & Light Company, ou=Environmental Services, email=franck_l_leblanc@fpl.com, c=US
Date: 2024.12.11 15:57:18 -05'00'

Franck Leblanc
Director, FPL, Environmental Services
Franck.L.Leblanc@fpl.com

Enclosures:
Distribution List
Crested caracara survey report
Sand skink survey report
Gopher tortoise survey maps

FPL Sweatt-Whidden TLSA (TA22-19) Distribution List

Florida Department of Environmental Protection Siting Coordination Office 2600 Blair Stone Road, MS 5500 Tallahassee, Florida 32399-2400 Nate.Senn@floridadep.gov and SCO@floridadep.gov Office of General Counsel 3900Commonwealth Blvd, MS 35 Tallahassee, Florida 32399-3000 Kelley.Corbari@FloridaDEP.gov	**Florida Department of Transportation** Richard Shine, Esquire 605 Suwannee Street, MS-58 Tallahassee, Florida 32399 Richard.Shine2@dot.state.fl.us monica.zhong@dot.state.fl.us

Crested Caracara Survey Report

AtkinsRéalis

State Road 70 Central

Florida Power & Light Company

August 14, 2024

2024 CARACARA SURVEY REPORT

Contents

1. Introduction **3**

2. Survey Methods **3**

3. Caracara Survey Results **4**

4. Conclusion **5**

Appendix A. AtkinsRéalis Qualified Observer List .....

Appendix B. Photo Documentation .....

Appendix C. Survey 123 Nesting Activity Charts .....

C.1 Station 30 .....

C.2 Station 55/B1 .....

Tables

Table 3-1 – Observed caracara nests during 2024 survey 5

Figures

Figure 1 – Project Overview and Final Survey Stations Map .....

Figure 2 – CRCA observation during 2024 Survey Event (by station) Map .....

Figure 3 – CRCA observations for survey stations 30 and 55/B1 .....

Figure 4 – Detailed CRCA observations and flight paths Map .....

1. Introduction

AtkinsRéalis was contracted by Florida Power & Light Company (FPL) to conduct crested caracara (*Caracara plancus*) surveys for the proposed linear realignment corridor project along State Road (SR) 70 from Dorr Field Substation located east of Arcadia, DeSoto County to Waterway Substation located west of Okeechobee, Highlands County, Florida. (**Figure 1**). The project corridor extends from 27.2363573, -81.0721111 to 27.209690, -81.6336601 with an approximate midpoint of 27.2084314, - 81.3395350.

The purpose of these crested caracara (caracara or CRCA) surveys was to ensure FPL remained in compliance with the Endangered Species Act of 1973 (ESA or "The Act"; 16 U.S.C. § 1531 et seq.) requirements to determine potential impacts to federally listed species. These caracara surveys were requested by FPL to be conducted for the 2024 nesting season to determine the potential presence of caracaras within the project impact area for construction planning purposes. In 2022, a new caracara protocol was developed for caracara surveys on large linear FPL projects and coordination with the United States Fish and Wildlife Service (USFWS) was conducted during its development. The protocol incorporates GIS spatial analysis of project corridors for suitable foraging habitat with the aim to predict potential nesting habitat using satellite spectrometry and known nest databases. This protocol was implemented during this survey effort.

This report presents the survey results from the implementation of the new protocol titled “Florida, Power and Light, LLC Survey Protocol for Crested Caracara (*Caracara plancus*) on Large Linear Projects”. The surveys included the new protocol and utilized the Crested Caracara Habitat Model (CCHM) as an aid to determine suitable caracara habitat within and adjacent to the corridor. The results of the caracara survey for the proposed project area, which included nine survey events from January 2 through April 24, 2024 and the three (3) associated nest productivity surveys (NP) from May 8 to May 31, 2024. This survey data will also be used to further inform and improve the GIS model used in the new protocol for future caracara surveys on large linear FPL projects.

2. Survey Methods

AtkinsRéalis conducted the 2024 full season caracara survey and nest productivity surveys in general accordance with the following USFWS and FPL guidance documents:

- FPL’s Survey Protocol for Crested Caracara (*Caracara plancus*) on Large Linear Projects (December 2022)
- USFWS’s April 2004 Survey Protocol for Finding Caracara Nests (Protocol)
- USFWS’s Crested Caracara Survey Protocol-Additional Guidance (November 2015)
- USFWS’s Crested Caracara Draft Survey Protocol Additional Guidance (2016-2017 Breeding Season)

Per the protocol and guidance documents, caracara survey events should be conducted every two weeks starting no later than January 10,2024 and continuing through April 30,2024. Qualified and experienced AtkinsRéalis scientists conducted a total of nine caracara foraging and nesting survey events on the mornings and evenings for the week of January 1, 2024 (Event 1), week of January 15, 2024 (Event 2), week of January 29, 2024 (Event 3), week of February 12, 2024 (Event 4), week of February 26, 2024 (Event 5), week of March 11, 2024 (Event 6), week of March 25, 2024 (Event 7), week of April 8, 2024 (Event 8), and week of April 22, 2024 (Event 9). In addition, AtkinsRéalis scientists began NP surveys to monitor the progress of nest areas that were previously identified and to document if the nest

successfully produced fledgling(s) or nest failure occurred. These NP surveys were conducted for nesting areas located near survey station 30 and survey station B1/55 on May 8 (NP 1), May 22 (NP 2) and May 31 (NP 3).

All AtkinsRéalis scientists conducting the field work met the USFWS definition of qualified surveyors. The list of qualified surveyors participating on this project and their survey experience is provided in **Appendix A**.

The goal of the large linear utility project caracara survey protocol is to facilitate environmental assessment, field survey, and construction compliance process within potentially occupied CRCA nesting habitat. The purpose of this protocol is to complement existing guidance documents by creating a survey and compliance protocol to manage risk of nest disturbance during construction activities. A 300-m buffer around the project area in accordance with USFWS protocol was utilized for survey purposes.

The FPL 2022 CRCA Protocol included slight modifications to the USFWS Protocol in order to accommodate the entire length of the larger linear utility projects within a single survey season. Each station (observation station) can be surveyed during AM or PM hours at a minimum of once every two weeks from either stationary vehicle/ nonstationary vehicle/ pedestrian/ appropriate wildlife blind or any combination of the previous mentioned. The AM surveys began 15 minutes prior to sunrise and last for a duration of four (4) hours and PM surveys began approximately four hours prior to sunset. During each survey event, AtkinsRéalis scientists were positioned at survey stations to observe the suitable caracara nesting and foraging habitat within the 300-m buffer around the project area. Photographs of the area surrounding each survey station are provided in **Appendix B**.

Observation data were collected during each survey event using field data sheets and /or electronic device with preloaded project specific data, field conditions, aerial maps, and crested caracara observations. The development of ESRI Survey 123 application forms to streamline the data collection process was utilized for the 2024 surveys during each of the nine survey events.

At the 2024 survey start, twenty-nine (29) survey stations were pre-determined by desktop analysis and chosen by AtkinsRéalis scientists taking factors into consideration such as the Crested Caracara Survey Protocol's CCHM, proposed survey station locations, distance to other survey stations, proximity to potential nesting habitat, visibility of habitat from survey station, and field staff safety. The locations of the twenty-nine survey stations are provided in **Figure 1**.

3. Caracara Survey Results

This section presents the results of the nine caracara foraging and nesting survey events for the week of January 1, 2024 (Event 1), week of January 15, 2024 (Event 2), week of January 29, 2024 (Event 3), week of February 12, 2024 (Event 4), week of February 26, 2024 (Event 5), week of March 11, 2024 (Event 6), week of March 25, 2024 (Event 7), week of April 8, 2024 (Event 8), and week of April 22, 2022 (Event 9). Caracara foraging, flight data observations and nesting activities were recorded with the aid of ESRI Survey 123 and electronic devices for all survey stations throughout the 2024 survey events. The three NP surveys were conducted on May 8 (NP 1), May 22 (NP 2) and May 31 (NP 3).

The occurrence of caracara observations, whether flying, feeding or nesting are clustered using dynamic scaling in **Figure 2**. Caracara were observed throughout the survey area, and nesting activities were recorded at two locations. The table below provides the field survey station and GPS coordinates. Early nest building activities were also observed at a third station (Station 131), but the nest was not completed and was eventually abandoned by the nesting pair so that location is not included in the table.

Table 3-1 – Observed caracara nests during 2024 survey

Survey Station	GPS Coordinates
30	27.207549 N, -81.200208 W
B1/55	27.225280 N, -81.096350 W

Caracara nesting activities representing survey station 30 (**Figure 3A**) and survey station B1/55 (**Figure 3B**) summarizing the caracara observations at the nest site generated by ESRI Survey 123 are provided in **Appendix C**. These charts summarize the observations of the nest site by Location, Activity, and Age Class for (see **Appendix C**). The individual observation locations are symbolized by the event in which they occurred (see **Figure 2**). Observed caracara flight paths, as electronically recorded by AtkinsRéalis field personnel using ESRI Survey 123, are provided in **Figure 4**.

Nesting activities were recorded throughout the 2024 nesting season from January 2024 to April 2024 and **Figure 3A** displays activities within the nesting area observed from survey station 30 that included nest building and maintenance activities, adults on nest activities, nestling, fledgling and post fledgling activities (see **Appendix C**).

Nesting activities were recorded throughout the 2024 nesting season from January 2024 to April 2024 and **Figure 3B** displays activities within the nesting area observed from survey station B1/55 that included nest building and maintenance activities, adults on nest activities, nestling, fledgling and post fledgling activities (see **Appendix C**).

4. Conclusion

FPL authorized AtkinsRéalis to perform caracara surveys from the start of nesting season in January 2024 through the end of nesting season to determine if nests or nesting behaviors occurred within the survey area. The purpose of the survey was to assess if nesting activities occurred within the survey area that could impact the proposed construction project currently in the planning phase. Prior to the start of construction, future surveys should be conducted to target areas of previous nesting activities to ensure no construction activities will occur within caracara primary nest buffers.

This 2024 caracara survey was conducted implementing the new protocol titled “Florida, Power and Light, LLC Survey Protocol for Crested Caracara (*Caracara plancus*) on Large Linear Projects”. The survey also utilized the Crested Caracara Habitat Model as an aid to determine suitable caracara habitat within and adjacent to the corridor which helped define the number and location of survey stations. The new protocol and CCHM were developed in coordination with the USFWS in 2022.

AtkinsRéalis scientists performed a total of nine caracara surveys at twenty-nine observation stations from January - April 2024, during which caracara were observed in various sections of the survey area. In addition, three nest productivity surveys were conducted at station 30 and station B1/55 from May 8 – May 31, 2024. Caracara nesting activity was observed from both survey stations, with successful nest building, feeding of young and nestling activity by the end of the caracara nesting season. During NP surveys, fledgling and post fledging activity was observed at the nest tree locations.

A total of two successful nest trees were observed within 300 meters of the proposed project corridor. These sites also had the most observations and flight paths within their vicinity compared to other stations without nests along the project. Accordingly, these specific locations can be identified as a target area for future surveys. If active caracara nesting were to be documented within 300 meters of the proposed project (primary zone) during preconstruction surveys, FPL would hold work in the primary zone and consult with USFWS to determine project specific mitigation and conservation measures.

APPENDICES

Appendix A. AtkinsRéalis Qualified Observer List

AtkinsRéalis Qualified Caracara Surveyor Experience

Name	Hours of caracara survey experience prior to 2024 caracara survey season	Number of caracara nests identified prior to 2024 caracara survey season	Observer classification (primary or secondary)	Acquired hours/nests observed as of May 2024
Patrick Bates	1,052	24	Primary	1,216/32
Ryan Fowler	488	9	Primary	620/15
Voni Moore	192	3	Primary	336/5
Renee Price	482	12	Primary	552/14
Jessica Hudson	200	6	Primary	332/8
Karyssa Kemp	0	0	Trainee/Primary	56/2
Kiara Kallaway	166	5	Primary	298/7
Ana Guzman	166	5	Primary	230/7
Melanie Dalla Valle	219	5	Primary	351/7
Charmille Kirton	80	3	Primary	288/5

Appendix B. Photo Documentation

Survey Station 13: photo facing east

Survey Station 14: photo facing west

Survey Station 124: photo facing west

Survey Station 125: photo facing east

Survey Station 126: photo facing south

Survey Station 127: photo facing southeast

Survey Station 20: photo facing north

Survey Station 128: photo facing northwest

Survey Station 22: photo facing west

Survey Station 23: photo facing east

Survey Station 24: photo facing south

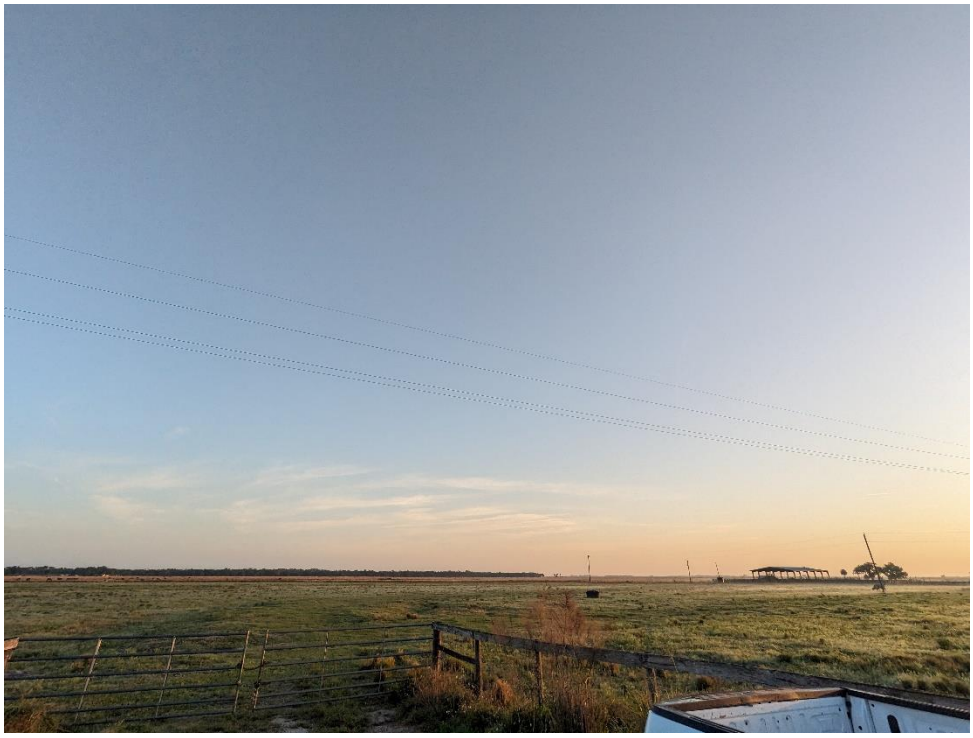
Survey Station 25: photo facing east

Survey Station 26: photo facing west

Survey Station 27: photo facing west

Survey Station AV 1/ station 28: photo facing west

Survey Station 29: photo facing west



Survey station 129: photo facing north

Survey Station 36: photo facing northwest

Survey Station 38: photo facing west

Survey Station 40: photo facing north

Survey Station 30: photo facing south

Survey Station 41: photo facing north

Survey Station 46: photo facing east

Survey Station 46A: photo facing north

Survey Station 49: photo facing northeast

Survey Station 130: photo facing north

Survey Station 131: photo facing north

Survey Station Brighton 1/ station 55: photo facing north

Survey Station 132: photo facing north

Adult caracara retrieving carrion near Survey Station B1/55

Caracara Nest Tree Location at Survey Station B1/55: photo facing northwest

Adult caracara observed entering nest at Survey Station B1/55: photo facing north

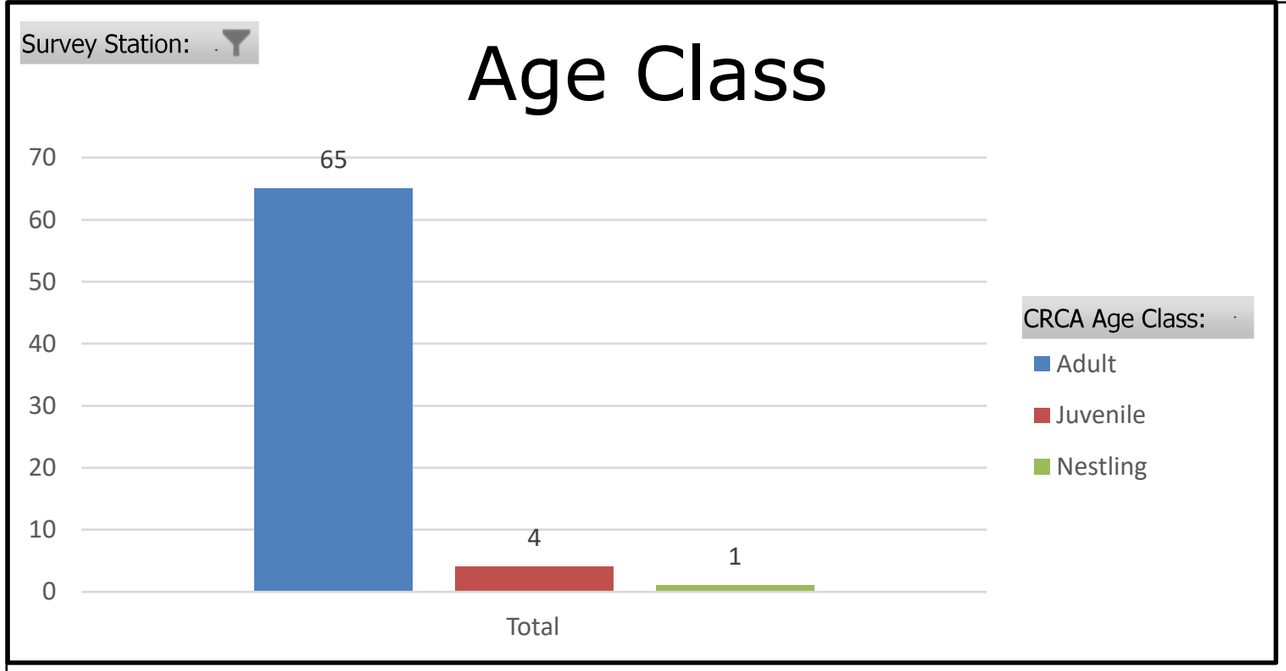
Caracara Nest Tree Location at Survey Station 30: photo facing south

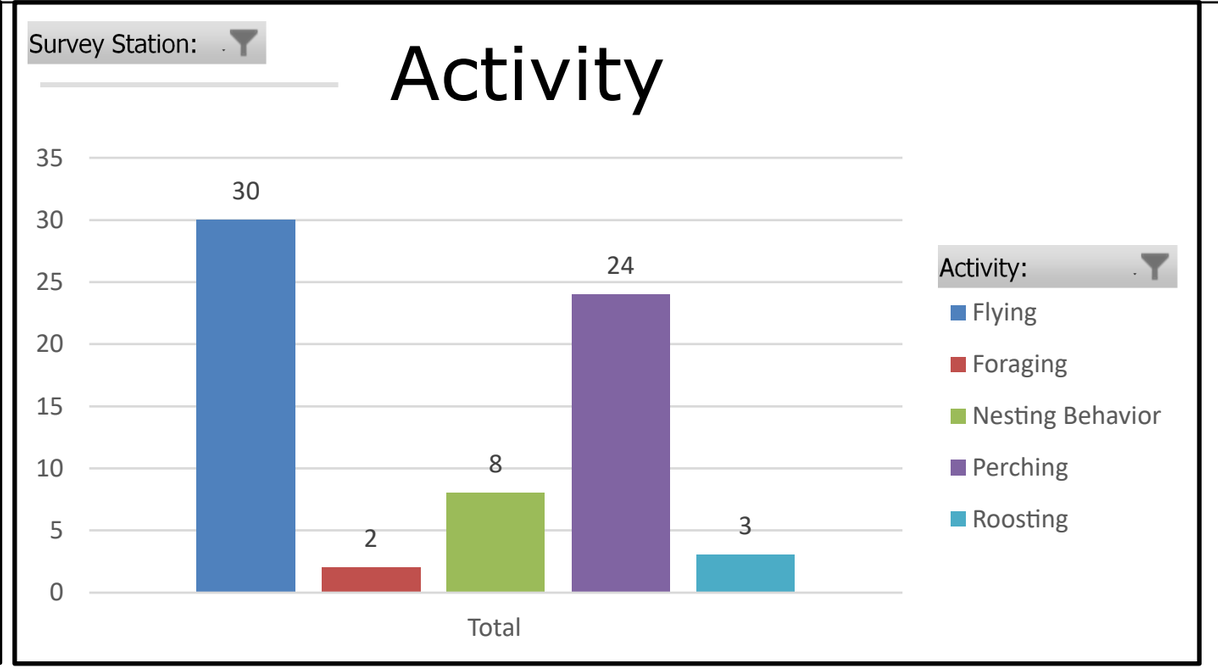
Adult caracara observed foraging near Survey Station 30

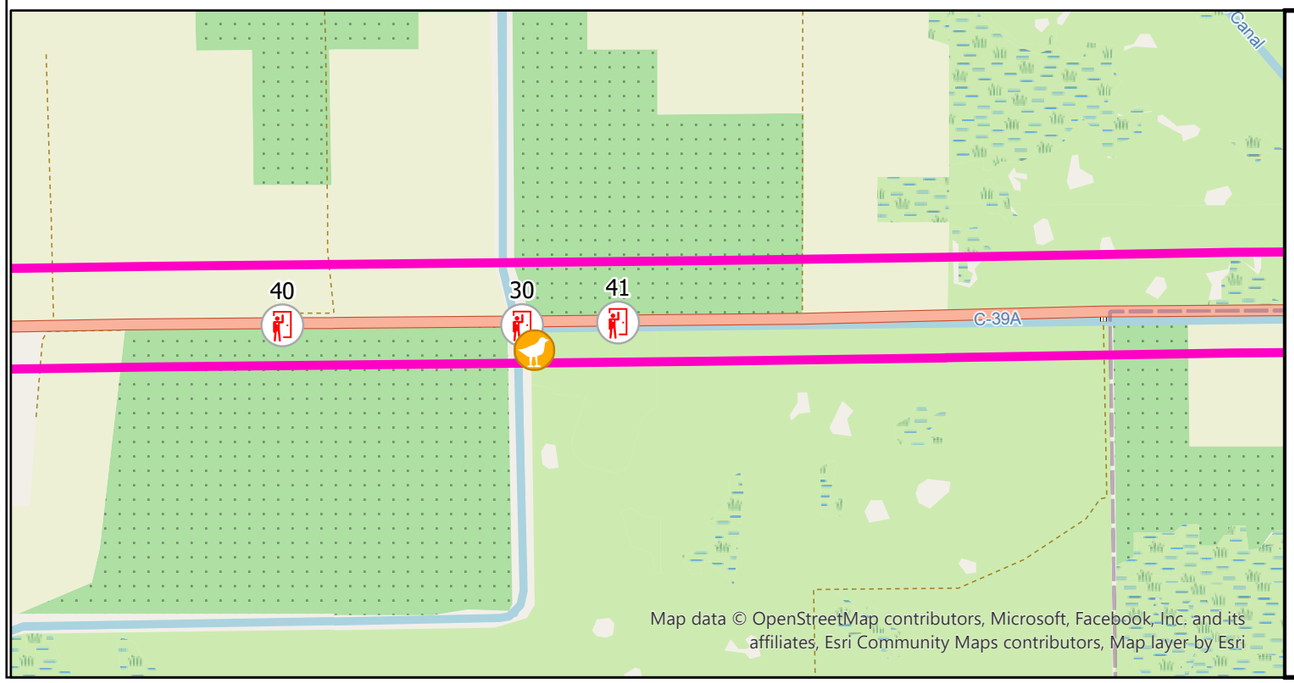
Appendix C. Survey 123 Nesting Activity Charts

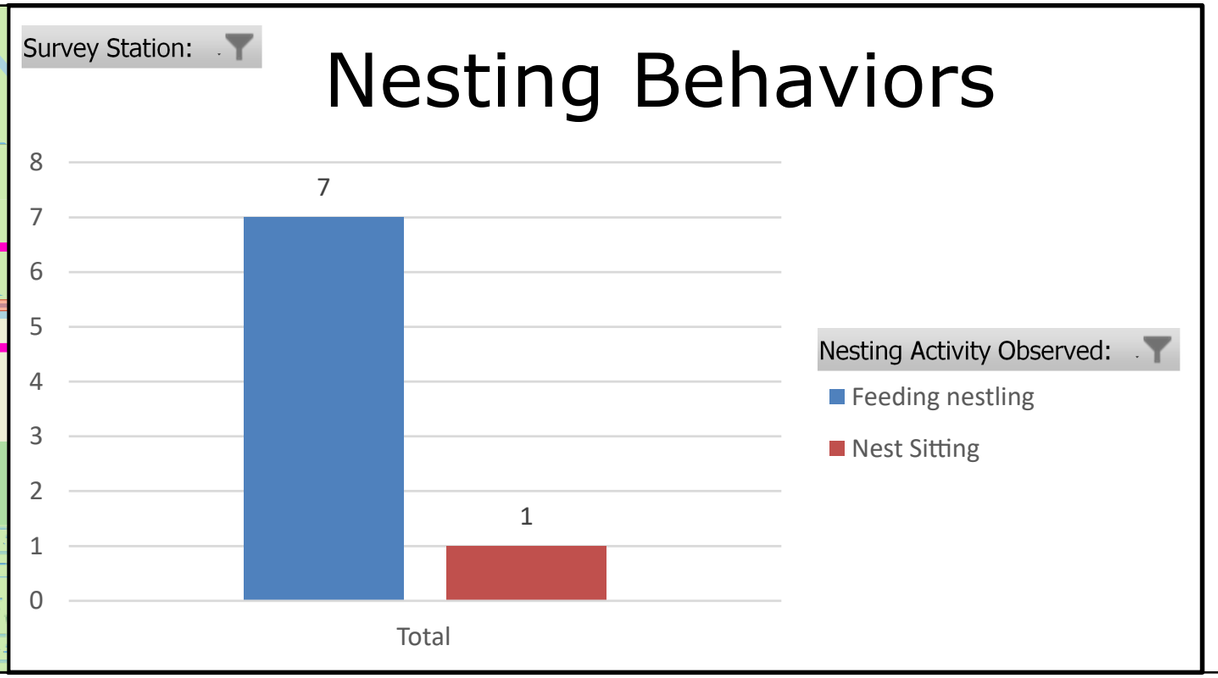
C.1 Station 30

C.2 Station 55/B1









Prepared By: AtkinsRéalis

Prepared For: FPL

Station 30: Summary Crested Caracara Observations during 2024 by Activity Type and Age Class

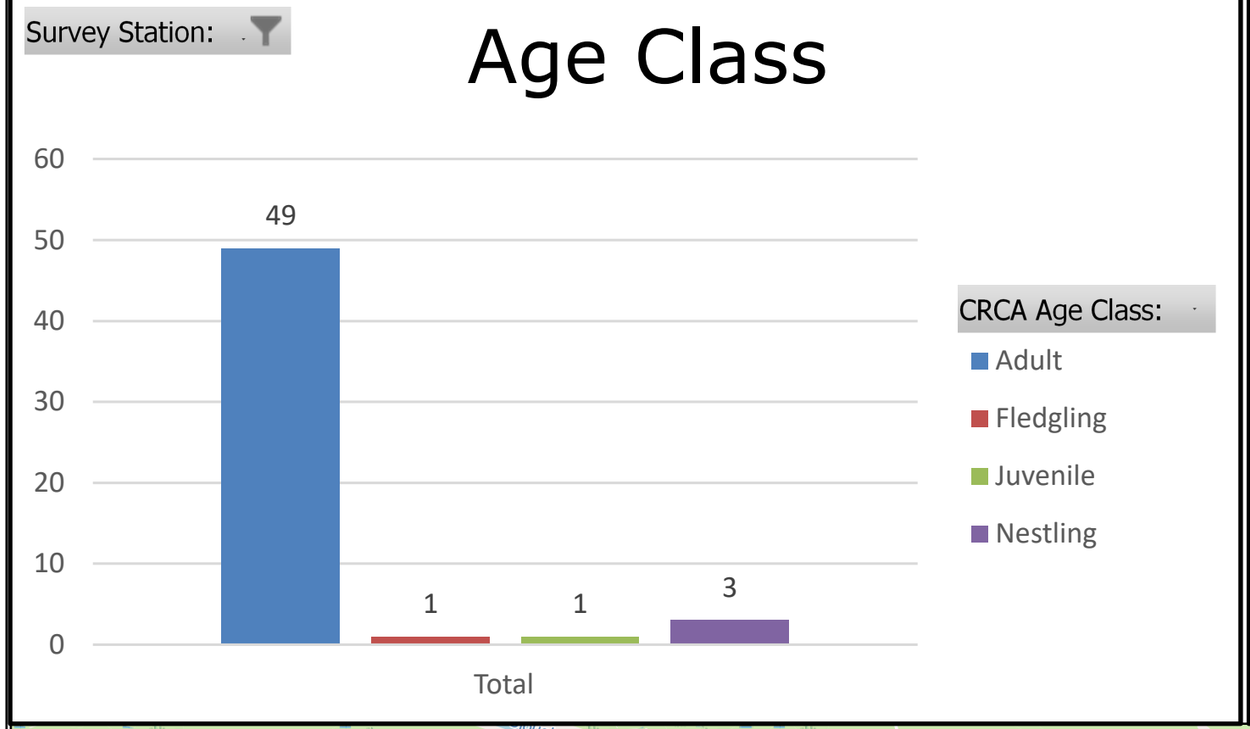
SR 70 Central from Waterway Substation to Dorr Field Substation

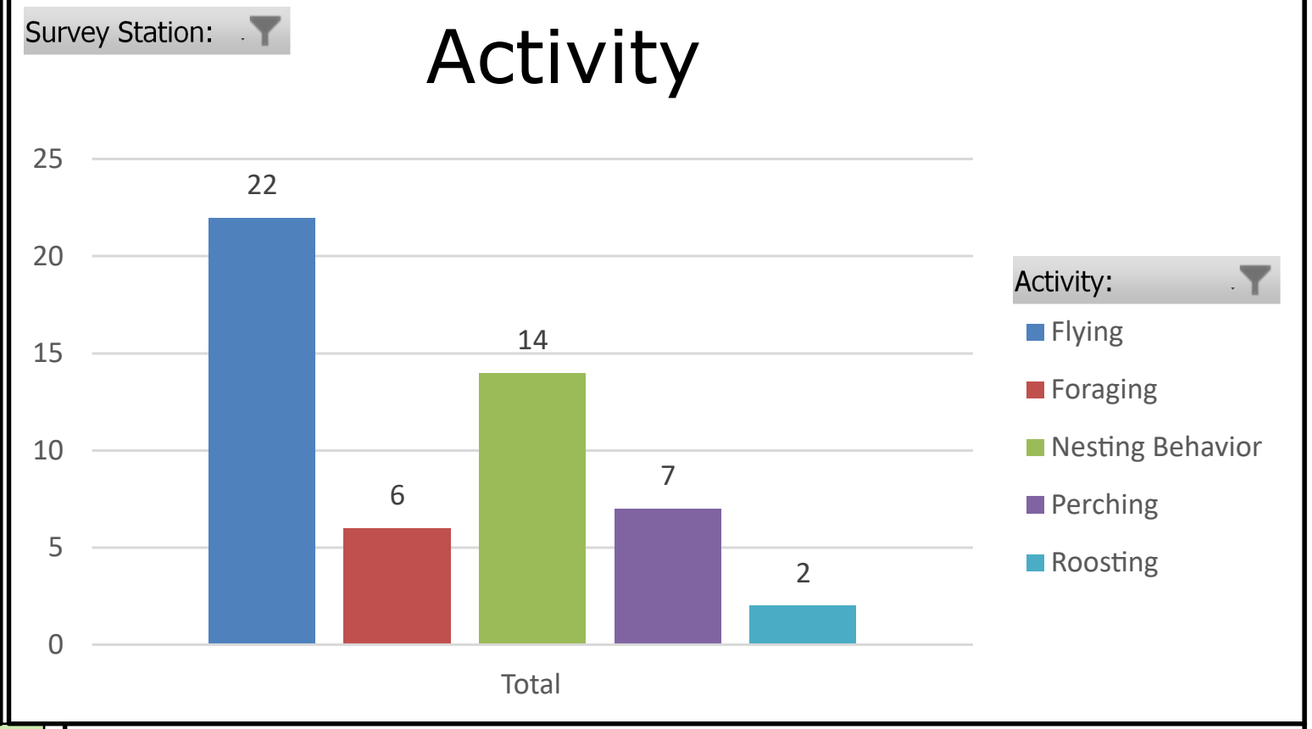
OKEECHOBEE AND DESOTO COUNTIES, FLORIDA

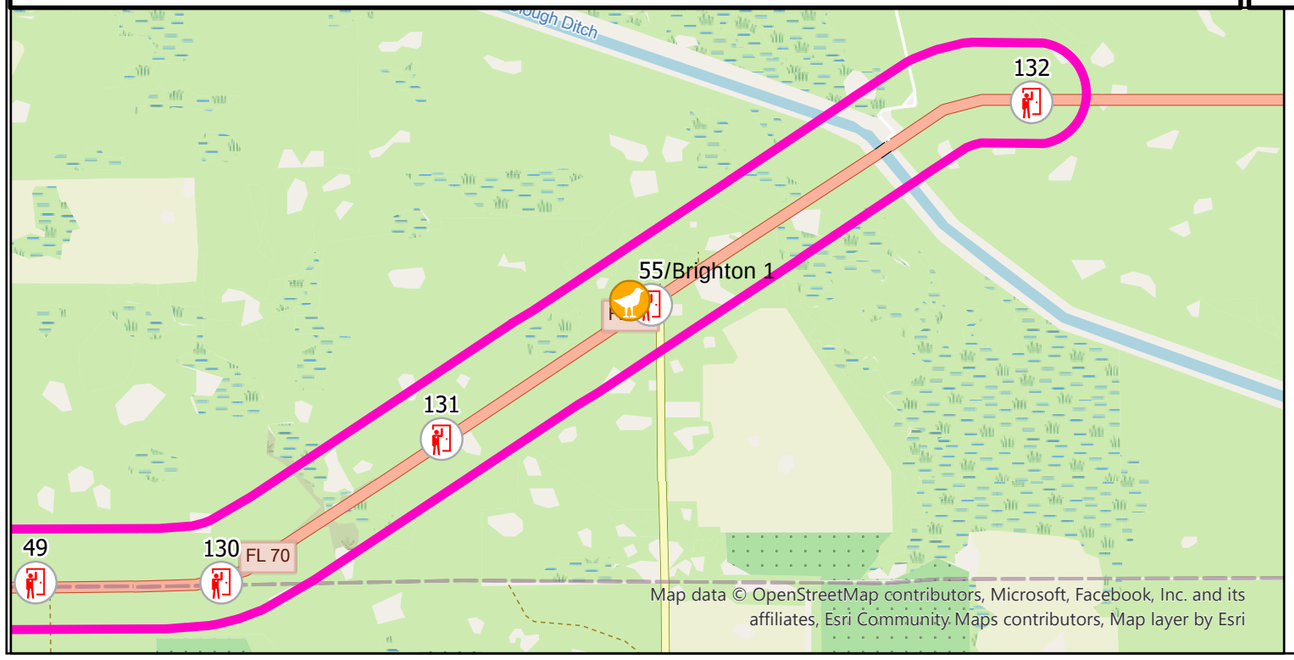
Dwn By:	CUSA3149
Ckd By:	Fowler
Date:	8/12/2024
Project No.:	100088346

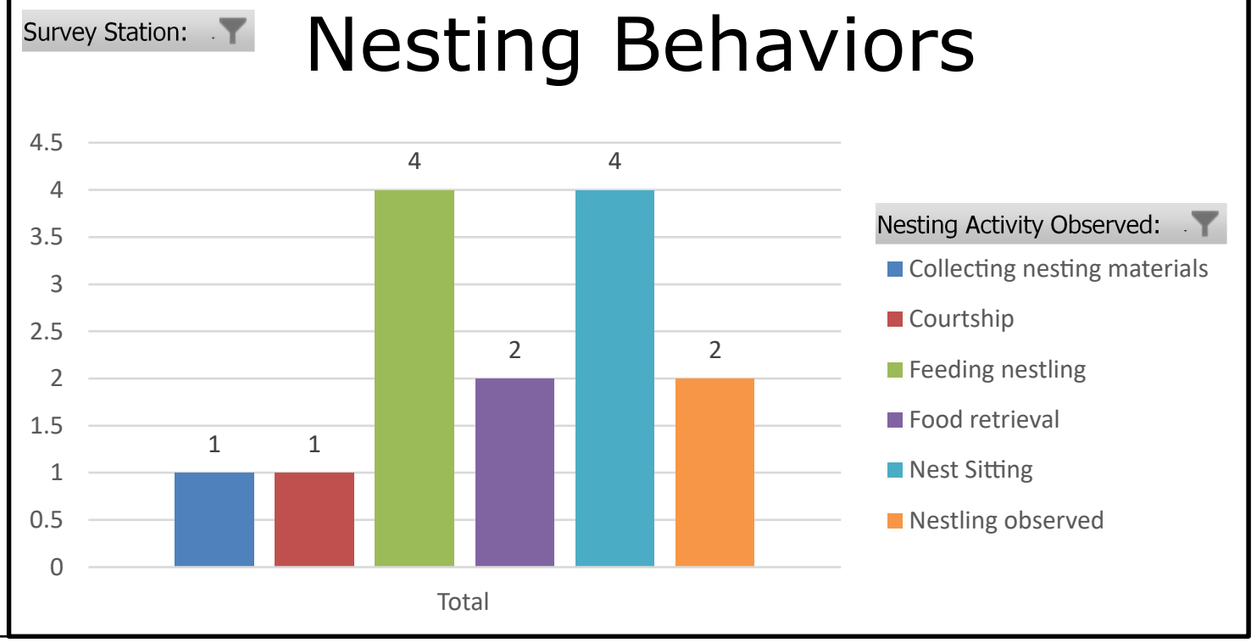
C1 - Station 30

C:\Users\cusa3149\OneDrive Corp\OneDrive - AtkinsRéalis\Projects\FPL\Caracara\FPL_SR70_Central_2024_Figures.aprx









Prepared By: AtkinsRéalis

Prepared For: FPL

Station 55/Brighton 1: Summary Crested Caracara Observations during 2024 by Activity Type and Age Class

SR 70 Central from Waterway Substation to Dorr Field Substation

OKEECHOBEE AND DESOTO COUNTIES, FLORIDA

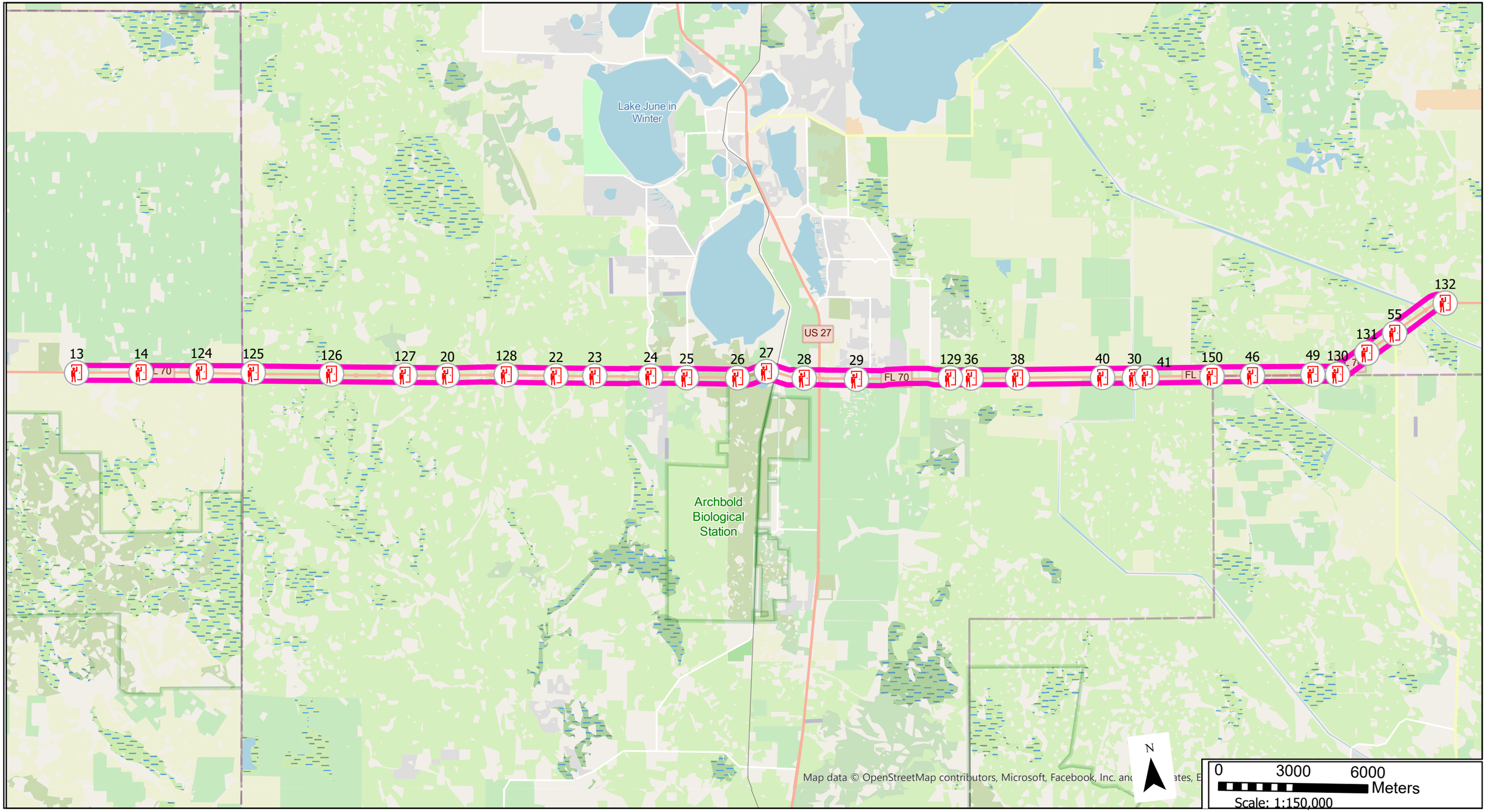
Dwn By:	CUSA3149
Ckd By:	Fowler
Date:	8/12/2024
Project No.:	100088346

C2 - Station 55/B1

C:\Users\cusa3149\OneDrive Corp\OneDrive - AtkinsRéalis\Projects\FPL\Caracara\FPL_SR70_Central_2024_Figures.aprx

FIGURES

Figure 1 – Project Overview and Final Survey
Figure 2 – CRCA observation during 2024 Survey



Prepared By:

AtkinsRéalis

Prepared For:

FPL

2024 Survey Stations for Crested Caracara

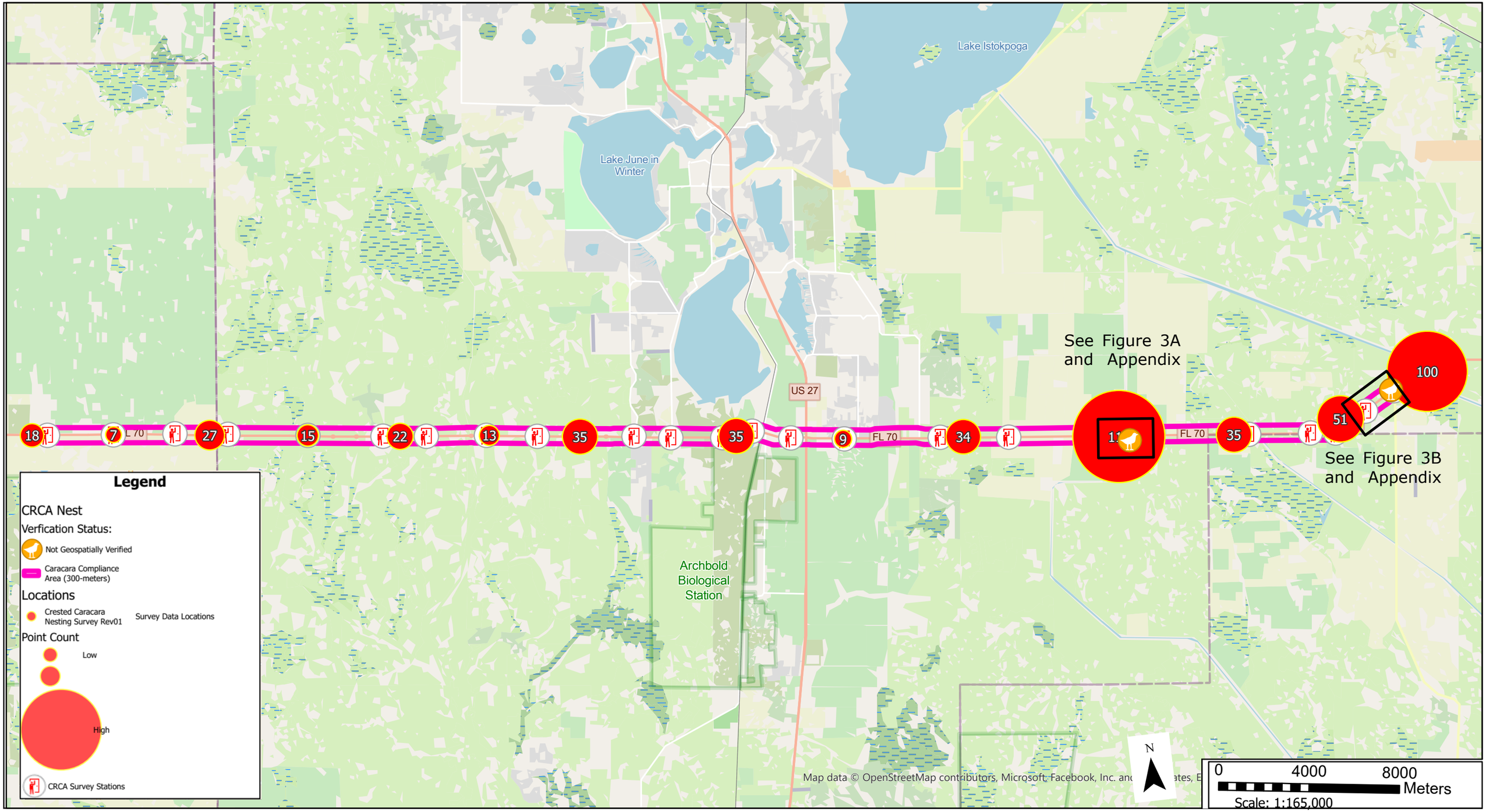
SR 70 Central from Waterway Substation to Dorr Field Substation

HIGHLANDS AND DESOTO COUNTIES, FLORIDA

Dwn By:	CUSA3149
Ckd By:	Fowler
Date:	8/13/2024
Project No.:	100088346

Figure 1

C:\Users\cusa3149\OneDrive Corp\OneDrive - AtkinsRéalis\Projects\FPL\Caracara\FPL_SR70_Central_2024_Figures.aprx



Prepared By: AtkinsRéalis

Prepared For: FPL

Number of Crested Caracara Observations during 2024 Survey Event (by Station)

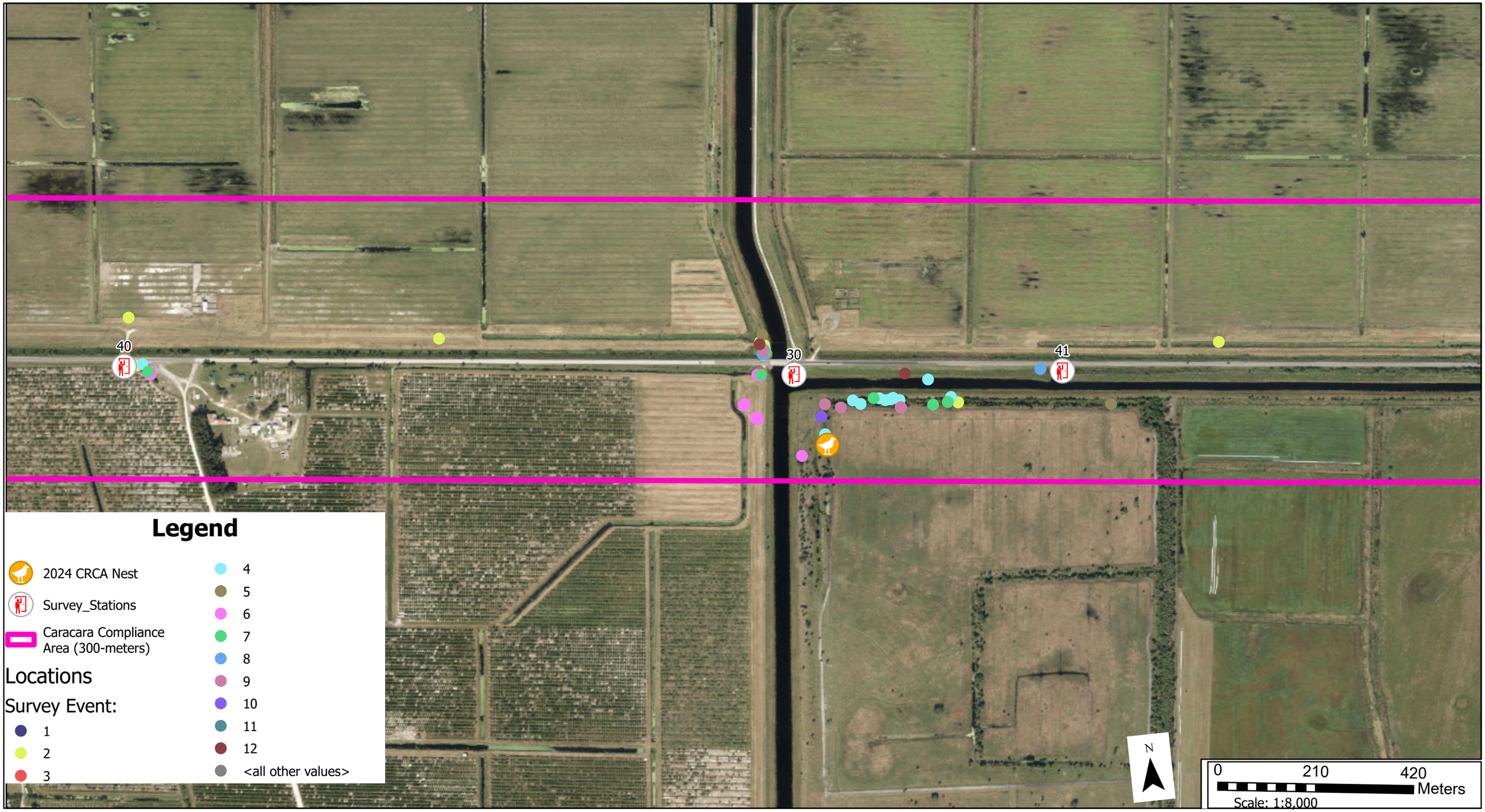
SR 70 Central from Waterway Substation to Dorr Field Substation

OKEECHOBEE AND DESOTO COUNTIES, FLORIDA

Dwn By:	CUSA3149
Ckd By:	Fowler
Date:	8/12/2024
Project No.:	100088346

Figure 2

C:\Users\cusa3149\OneDrive Corp\OneDrive - AtkinsRéalis\Projects\FPL\Caracara\FPL_SR70_Central_2024_Figures.aprx



Prepared By: AtkinsRéalis

Prepared For: FPL

Crested Caracara Observations within vicinity of nests during 2024 Nesting Season (by Survey Event)

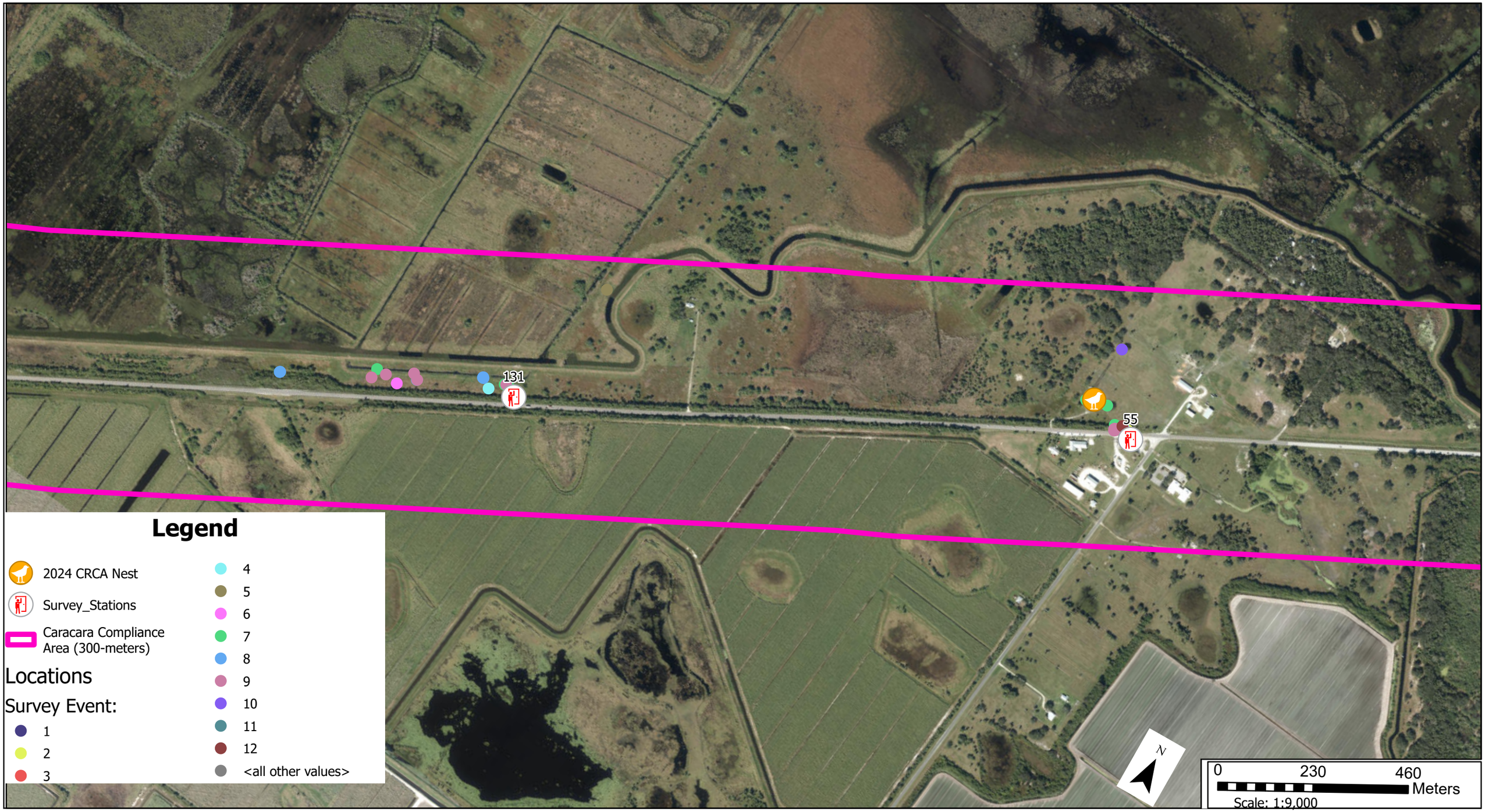
SR 70 Central from Waterway Substation to Dorr Field Substation

OKEECHOBEE AND DESOTO COUNTIES, FLORIDA

Dwn By:	CUSA3149
Ckd By:	Fowler
Date:	8/12/2024
Project No.:	100088346

Figure: 3A

C:\Users\cusa3149\OneDrive Corp\OneDrive - AtkinsRéalis\Projects\FPL\Caracara\FPL_SR70_Central_2024_Figures.aprx



Prepared By: AtkinsRéalis

Prepared For: FPL

Crested Caracara Observations within vicinity of nests during 2024 Nesting Season (by Survey Event)

SR 70 Central from Waterway Substation to Dorr Field Substation

OKEECHOBEE AND DESOTO COUNTIES, FLORIDA

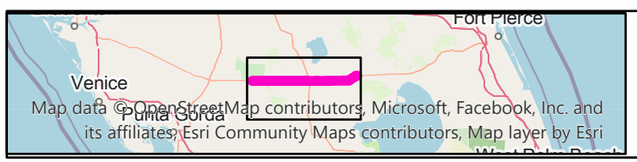
Dwn By:	CUSA3149
Ckd By:	Fowler
Date:	8/12/2024
Project No.:	100088346

Figure 3B

C:\Users\cusa3149\OneDrive Corp\OneDrive - AtkinsRéalis\Projects\FPL\Caracara\FPL_SR70_Central_2024_Figures.aprx

Prepared By: AtkinsRéalis

Prepared For: FPL



Detailed Crested Caracara Observations and Flight Paths during 2024 (by Survey Event)

SR 70 Central from Waterway Substation to Dorr Field Substation

OKEECHOBEE AND DESOTO COUNTIES, FLORIDA

Dwn By:	CUSA3149
Ckd By:	Fowler
Date:	8/9/2024
Project No.:	100088346

Figure 4

C:\Users\cusa3149\OneDrive Corp\OneDrive - AtkinsRéalis\Projects\FPL\Caracara\FPL_SR70_Central_2024_Figures.aprx

AtkinsRéalis

W. Mark Henry
AtkinsRéalis USA Inc.
800 NW 62nd Avenue
Suite 700
Miami, Florida, 33126

Tel: +1.305.592.7275
mark.henry@atkinsrealis.com

© AtkinsRéalis USA Inc. except where stated otherwise

Sand Skink Survey Report

SWEATT WHIDDEN
230kV TRANSMISSION LINE PROJECT
HIGHLANDS COUNTY, FLORIDA

2023 FLORIDA SAND SKINK AND BLUE-TAILED MOLE SKINK SURVEY RESULTS AND PROPOSED AVOIDANCE, MINIMIZATION AND MITIGATION MEASURES

Submitted to:

U.S. FISH AND WILDLIFE SERVICE
South Florida Ecological Services Field Office
1339 20th Street
Vero Beach, Florida 32960

On behalf of:

FLORIDA POWER & LIGHT COMPANY
15430 Endeavor Drive
Jupiter, Florida 33478

Prepared by:

ectinc.com

ECT No. 210863-1200
May 2024

DOCUMENT REVIEW

The dual signatory process is an integral part of Environmental Consulting & Technology, Inc.'s (ECT's) Document Review Policy No. 9.03. All ECT documents undergo technical/peer review prior to dispatching these documents to any outside entity.

This document has been authored and reviewed by the following employees:

Jude Dawson	Darren L. Stowe
Author	Peer Review
Signature	Signature
May 20, 2024	May 20, 2024
Date	Date

TABLE OF CONTENTS

Section		Page
1.0	INTRODUCTION	1
2.0	PROPERTY OVERVIEW	2
	2.1 LOCATION	2
	2.2 HISTORY	2
	2.3 SOILS	2
	2.4 LAND USE/LAND COVER	3
3.0	METHODOLOGY	6
	3.1 INITIAL 2022 PEDESTRIAN SURVEY	6
	3.2 2023 COVERBOARD SURVEYS (±69.45 ACRES)	6
4.0	RESULTS	9
	4.1 PEDESTRIAN VISUAL SURVEYS	9
	4.2 COVERBOARD SURVEY RESULTS	9
	4.3 SUPPLEMENTAL FDOT SURVEY DATA	11
5.0	DISCUSSION	12
6.0	PROJECT DESCRIPTION	14
	6.1 PROJECT FACILITIES	14
	6.2 DESIGN CODES AND STANDARDS	15
	6.3 CONSTRUCTION OF THE FACILITIES	16
	6.3.1 GENERAL CONSTRUCTION DESCRIPTION	16
	6.3.2 CONSTRUCTION CLEARING METHODS	17
	6.3.3 CONSTRUCTION SCHEDULE	18
	6.3.4 ACCESS TO RIGHT-OF-WAY	18
	6.4 OPERATIONS AND MAINTENANCE	18
7.0	EVALUATION OF POTENTIAL EFFECTS	20
8.0	CONSERVATION MEASURES	21
9.0	EFFECT DETERMINATION	23
10.0	REFERENCES	24

APPENDICES

Appendix A—USFWS Technical Assistance Request
Appendix B—Historic Aerial Photographs
Appendix C—Photographs
Appendix D—USFWS Florida Sand Skink Survey Guidelines and Updated Guidance

LIST OF TABLES

Table		Page
Table 1.	Soil Types Summary for the Proposed Sweatt-Whidden 230kV Transmission Project Sand Skink Survey Area	3
Table 2.	Land Use/Land Cover Summary for the Sweatt-Whidden Transmission Line in Highlands County Sand Skink Survey Area	4
Table 3.	Weather Conditions for Sand Skink Coverboard Survey	10
Table 4.	Known Habitat Per Sand Skink Coverboard Survey	13

LIST OF FIGURES

Figure

Figure 1. Location Map, Sand Skink Survey

Figure 2. USGS Topographic Map, Skink Survey Area

Figure 3. Sand Skink Soils

Figure 4. Sand Skink Land Use/Land Cover

Figure 5. Skink Survey Areas

Figure 6. FDOT Skink Coverboard Locations

Figure 7. FPL and FDOT Skink Coverboard Locations

1.0 INTRODUCTION

Environmental Consulting and Technology, Inc. (ECT), has prepared this document on behalf of Florida Power & Light Company (FPL) to report the findings of a 2023 Florida sand skink (*Plestiodon reynoldsi*) and blue-tailed mole skink (*Plestiodon egregious lividus*) (hereafter referred to as "skinks") surveys along a proposed transmission line corridor located in Highlands County, Florida (referred to as Project). **Figure 1** depicts the location and extent of the Project. The proposed Project involves the rebuild of an existing transmission line. Although the exact structure locations are preliminary at the time of this report, all structures will be located within the identified corridor.

A portion of the Project is situated along State Road (SR) 70 in the Lake Wales Ridge (LWR) and within the U.S. Fish and Wildlife Service (USFWS) Consultation Area for both skink species. Potentially suitable skink habitats consist of any area in the Consultation Area at elevations 82 feet or higher above mean sea level (MSL) and containing excessively drained soils (i.e., Archbold, Astatula, Basinger, Candler, Daytona, Duette, Florahome, Gainesville, Hague, Immokalee, Kendrick, Lake, Millhopper, Orsino, Paola, Placid, Pomello, Pompano, Satellite, Samsula, Smyrna, St. Lucie, Tavares, Zolfo, and Zuber soil series).

On January 5, 2023, FPL submitted a technical assistance request (**Appendix A**) to the USFWS South Florida Ecological Services Field Office to discuss a variety of listed species with the potential to occur in the Project area, including a discussion of the Florida sand skink and the ability to conduct a protocol survey for the species during the 2023 survey window. Section 3.0 of this document outlines this survey methodology and certain inherent limitations in more detail. The intent of the survey is to gather data to support the determination of species presence/absence and the extent of occupied habitat, if any, to fulfill obligations under the Endangered Species Act (ESA).

The following sections provide USFWS with an overview of the Project and the methods and results from the skink surveys conducted from April 16 through May 15, 2023, as well as supporting data to document the extent of occupied skink habitat on the property to assist future consultation under the ESA, as necessary.

2.0 PROPERTY OVERVIEW

2.1 LOCATION

The proposed transmission line Project is regionally situated on the LWR within the portions of the USFWS designated Consultation Area for the Florida sand skink and the blue-tailed mole skink in Highlands County, Florida (**Figure 1**). More specifically, the proposed transmission line corridor is located along the northern side of SR 70, traversing both east and west of U.S. Highway 27 (US 27) in Sections 31, 32, 33, 34, and 35; Township 37 South; and Range 30 East and Sections 34, 35, and 36; Township 37 South; and Range 29 East (**Figure 2**). Elevations in the Project area range from 205 feet above MSL in the north to 115 feet above MSL towards adjacent lakes. All elevations above 82 feet above MSL are considered to have the potential to support skinks when the mapped soil type is also suitable (USFWS, 2023).

2.2 HISTORY

FPL initially acquired easements for transmission lines along Old State Road 18 (now SR 70) in the 1920s. The highway was relocated in subsequent years, and the existing transmission lines were relocated accordingly.

In 1993, the initial acquisition of the Lake Wales Ridge Wildlife and Environmental Management Area (LWRWEMA) tract was purchased under the Conservation and Recreation Land program from August Tobler, a local cattleman. This tract had been platted as a subdivision but was acquired prior to any improvements being made. In the intervening years, additional properties were added such that the LWRWEMA now consists of 19 separate tracts scattered along 75 miles of the LWR.

2.3 SOILS

Twelve soil types are found in the Project footprint according to a review of the Soil Survey of Highlands County prepared by the Natural Resources Conservation Service (NRCS) (**Figure 3**). The majority of the Project footprint (88.96 percent) consists of excessively drained and moderately well-drained sandy soils considered suitable to support occurrence by skinks, including the following soil types: Paola Sand, 0 - to 8-percent slopes (map unit 1); Daytona Sand , 0- to 5-percent slopes (5); Astatula Sand, 0- to 5-percent slopes (9); Myakka Fine Sand, 0- to 2-percent

slopes (10); Orsino Sand, 0- to 5-percent slopes (10); Satellite Sand, 0- to 2-percent slopes (14) Archbold Sand, 0- to 5-percent slopes (28); Paola-Basinger Sands, Rolling (45); and Astatula Sand, 5- to 12-percent slopes (47). The remainder of the soil types mapped in the Project footprint – Placid Fine Sand, Frequently Ponded, 0- to 1-percent slopes (7); Basinger Fine Sand, 0- to 2-percent slopes (12); and Hontoon Muck, Frequently Ponded, 0- to 1-percent slopes (14) – are not considered suitable to support occurrence by skinks. **Table 1** provides a summary of the mapped soil types underlying the Project.

Table 1. Soil Types Summary for the Proposed Sweatt-Whidden 230kV Transmission Project Sand Skink Survey Area

NRCS Code	Soil Type	Hydric	Suitable Skink Soil Type?	Acres	Percent of Total Survey Area
1	Paola Sand, 0- to 8-percent slopes	No	Yes	3.50	5.04%
5	Daytona Sand, 0- to 5-percent slopes	No	Yes	0.81	1.17%
7	Placid Fine Sand, Frequently Ponded, 0- to 1-percent slopes	Yes	No	1.25	1.80%
9	Astatula Sand, 0- to 5-percent slopes	No	Yes	3.12	4.49%
10	Myakka Fine Sand, 0- to 2-percent slopes	No	Yes	5.37	7.73%
11	Orsino Sand, 0- to 5-percent slopes	No	No	4.29	6.18%
12	Basinger Fine Sand, 0- to 2-percent slopes	Yes	No	4.92	7.08%
14	Satellite Sand, 0- to 2-percent slopes	No	Yes	21.96	31.62%
21	Hontoon Muck, Frequently Ponded, 0- to 1-percent slopes	Yes	No	1.50	2.16%
28	Archbold Sand, 0- to 5-percent slopes	No	Yes	2.38	3.43%
45	Paola-Basinger Sands, Rolling	No	Yes	19.74	28.42%
47	Astatula Sand, 5- to 12-percent slopes	No	Yes	0.61	0.88%
Total				**69.45**	**100.00%**

Source: ECT, 2023.

2.4 LAND USE/LAND COVER

Figure 4 depicts the existing habitat types on the property mapped and described in accordance with the *Florida Land Use, Cover, and Forms Classification System* (FLUCFCS), Level III, of the Florida Department of Transportation (FDOT) (1999). The majority of the Project footprint has been previously altered and developed with residences or is in use for agriculture (i.e., citrus production) and/or has been previously utilized for transmission or road right-of-way. The review of historic aerial photographs indicates much of the area surrounding the Project footprint was planted as citrus groves prior to 1941 and has been managed for agricultural activities since that time or has been developed into residential or commercial use along SR 70. **Appendix B** provides

the historic aerial photographs. **Table 2** presents a summary of the land use/land cover types found in the survey footprint. A brief description of each upland vegetative community follows.

Table 2. Land Use/Land Cover Summary for the Sweatt-Whidden Transmission Line in Highlands County Sand Skink Survey Area

FLUCFCS Code	Description	Acres	Percent of Total Survey Area
110	Residential, Low Density	15.34	22.09%
210	Cropland and Pastureland	6.76	9.73%
220	Tree Crops	1.42	2.04%
260	Other Open Lands	35.04	50.45%
430	Upland Hardwood Forests	3.93	5.66%
512	Ditch	0.32	0.46%
610	Other Hardwood Wetlands	1.90	2.74%
619	Exotic Wetland Hardwoods	0.95	1.37%
631	Wetland Scrub	0.13	0.19%
641	Freshwater Marshes	1.29	1.86%
810	Transportation	0.40	0.58%
830	Utilities	1.97	2.84%
Total		**69.45**	**100.00%**

Source: ECT, 2023.

Residential, Low Density (FLUCFCS 110)—This land use contains the roadside frontage for several homesteads along SR 70. The shrub and herbaceous layers tend to be comprised of bahiagrass (*Paspalum notatum*), brackenfern (*Pteridium aquilinum*), caesarweed (*Urena lobata*), air potato (*Dioscorea bulbifera*), and muscadine (*Vitis rotundfolia*).

Cropland and Pastureland (FLUCFCS 210)—This land use type includes lands managed for row crops or pasture production of livestock. A mix of improved and unimproved pasturelands is present along the Project area. These are several open rangelands characterized by low-growing grasses and herbs, including those growing in monocultures of non-natives grasses like bahiagrass. Bahiagrass and Bermuda grass (*Cynodon dactylon*) are the dominant species found within the pasturelands along with a mix of shrubs and trees. Subdominant grasses included bluestems (*Andropogon* spp.) and dropseed grasses (*Sporobolus* spp.). Evidence of the presence of gopher tortoise was observed in the unimproved pastures but was more evident within the improved pastures.

Tree Crops (FLUCFCS 220)—This land uses includes citrus. Review of the earliest historic aerial photographs indicates citrus production was established on the majority of the Project area prior to 1941 (see **Appendix B** for copies of the aerial photographs). The understory in the active citrus groves consists primarily of exposed sandy areas with some weedy and grassy species present between the rows. These areas are regularly mowed and maintained for production of citrus and evidence of recent pesticide application was apparent during the survey. Due to exposed sandy areas between citrus rows, there is potential for the presence of skinks. Drip tube irrigation is present along the rows of trees. **Appendix C** presents representative photographs.

Other Open Lands (FLUCFCS 260)—Several of the citrus groves are now fallow or abandoned. These areas still show evidence of disturbance from past production, i.e., dead trees, furrows, irrigation, etc. Depending upon the length of time since abandonment, these areas have anywhere from negligible cover to dense cover by non-native weedy, grassy, and shrub species. Dumping of household and yard waste is evident in multiple areas of the abandoned groves. Exposed sandy areas are estimated to be 10 percent or less and mainly associated with areas of occasional off-road vehicular use. **Appendix C** presents representative photographs.

Upland Hardwood Forests (FLUCFCS 430)—This land use did not comprise a significant amount of the Project area but included several stands of oak trees and other shrubs along SR 70, which served as roadside buffers.

Transportation (FLUCFCS 810)—Much of the Project area was in or adjacent to the FDOT road right-of-way. For erosion control purposes, rights-of-way are frequently planted in bahiagrass.

Utilities (FLUCFCS 830)—In Highlands County, most of the proposed alignment is within an existing transmission line corridor where the existing line will be rebuilt. Transmission line right-of-way is maintained to keep trees and shrubs low growing.

3.0 METHODOLOGY

The Project area of study encompasses 69.45 acres, of which 61.78 acres (approximately 89 percent) consist of mapped soil types at elevations above 82 feet above MSL, considered to be suitable to support skinks. The majority of the Project footprint is currently an existing transmission line corridor in or adjacent to FDOT road right-of-way. SR 70 is located south of the Project area and serves as a known impediment to skink movement.

Based on a review of the shapefiles provided by USFWS, skink observations have historically been made in the Project area west of US 27. However, in previous studies, there were no observations of skink occurrence in a non-swimmable soil type, nor were there any records of the species crossing such a barrier once it was in place. Similarly, for this Project, skinks were not recorded in intensive land uses such as active citrus production unless the citrus grove was adjacent to native xeric habitat that could serve as a source population for skinks with no intervening "un-swimmable" soils. Once active citrus production is abandoned and the areas become fallow, former groves connected to native xeric areas or remnant xeric areas may become recolonized by skinks.

Considering this information, ECT proposed and conducted a combination of pedestrian visual surveys and standard coverboard surveys to assess skink presence/absence within the Project footprint. **Figure 5** depicts the proposed survey areas outlined by method, and an overview is provided in the following subsections.

3.1 INITIAL 2022 PEDESTRIAN SURVEY

Ecologists from ECT conducted an initial pedestrian survey of potential habitat within the Project footprint on November 18 and 19, 2022. The survey included areas of potentially suitable habitat and focused on those habitats with exposed sandy areas where skink tracks would be visible and readily detected if present. The locations of any observed skink tracks were to be recorded using a handheld global positioning system (GPS) unit. No tracks were documented at that time.

3.2 2023 COVERBOARD SURVEYS (±69.45 ACRES)

ECT ecologists conducted coverboard surveys in accordance with the standard methods found in the *Sand Skinks and Blue-tailed Mole Skinks Survey Protocol for Peninsular Florida* (USFWS,

2020) in areas within the project footprint that contained suitable soils but had minimal vegetation coverage and exposed sand (**Figure 5**). Coverboards were planned for placement at a minimum density of 40 boards per acre over those portions of the ±69.45 acres where these criteria were met:

- The proposed Project would impact sand skink habitat (construction matting footprint and structure locations).
- Legal access was granted for the purposes of coverboard surveys.
- A coverboard survey would not conflict with other ongoing surveys (FDOT, 2023).

Symbol	Description	Footprint		Skink Habitat Totals	Impacts	
		Hydric	Acres		Permanent Structure Impacts	Temporary Matting Impact (overlaps structures)
1	Paola Sand, 0- to 8-percent slopes	No	3.50	3.50	0.009	1.070
5	Daytona Sand, 0- to 5-percent slopes	No	0.81	0.81	0.000	0.210
7	Placid Fine Sand, frequently ponded, 0- to 1-percent slopes	Yes	1.25			
9	Astatula Sand, 0- to 5-percent slopes	No	3.12	3.12	0.005	1.160
10	Myakka Fine Sand, 0- to 2-percent slopes	No	5.37	5.37	0.007	1.370
11	Orsino Sand, 0- to 5-percent slopes	No	4.29	4.29	0.007	0.770
12	Basinger Fine Sand, 0- to 2-percent slopes	Yes	4.92			
14	Satellite Sand, 0- to 2-percent slopes	No	21.96	21.96	0.023	5.540
21	Hontoon Muck, frequently ponded, 0- to 1-percent slopes	Yes	1.50			
28	Archbold Sand, 0- to 5-percent slopes	No	2.38	2.38	0.002	0.230
45	Paola-Basinger Sands, rolling	No	19.74	19.74	0.020	4.480
47	Astatula Sand, 5- to 12-percent slopes	No	0.61	0.61	0.001	0.200
Total			69.45	61.78	0.074	15.030

Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

A matting plan for the Project overlaid on the sand skink habitat narrowed the survey area from 69.45 acres to 15.03 acres of potential coverboard coverage. Additionally, each matting area was inspected for exposed sand, and those areas that were densely vegetated were omitted from the survey and placement of coverboards.

Several private landowners denied surveyor permission to access their properties for placement of coverboards or continuous surveys. Those parcels (approximately 1.83 acres) were omitted for this survey period.

A sand skink survey was being conducted by others at the same time within FDOT right-of-way, some areas of which overlapped significantly with the transmission line survey area. Care was taken to not disturb coverboards already in place as part of the FDOT survey. An additional 28 coverboards were installed on April 16 and 17, 2023, for adequate coverage and to provide a buffer in the event any boards were damaged, vandalized, or otherwise disturbed (**Figure 5**).

ECT staff cleared vegetation and lightly raked the soil surface, as necessary, with hand tools prior to installation. Boards were placed directly on the soil surface. The location of each board was recorded using a GPS unit, and each board was marked referencing the parcel number and the board number.

The coverboards were allowed to acclimate for 7 days prior to conducting four consecutive sampling events during the weeks of April 24, May 1, May 8, and May 15, 2023, to document skink tracks. Four consecutive weekly checks are required to confirm absence. If skink tracks were to be found under the coverboard or elsewhere during the survey effort, ECT staff were to photograph the tracks and record the location(s) with a GPS unit using a unique identification number. Following the final board inspection on May 15, 2023, the coverboards were removed from the survey area.

4.0 RESULTS

All coverboards were installed by April 16, 2023, and then inspected for four consecutive weeks starting on April 24, 2023, after one week of acclimation, and ending on May 15, 2023. ECT ecologists conducted coverboard inspections on April 24, May 1, May 8, and May 15, 2023. Weather conditions were considered suitable for surveying, with a daily temperature ranging from 53 to 93 degrees Fahrenheit (°F). **Table 3** outlines the weather conditions and preceding rainfall events that were considered when planning skink survey dates.

4.1 PEDESTRIAN VISUAL SURVEYS

The same ECT ecologists also surveyed known sand skink habitat on each survey date to assess whether or not sand skinks were active and to provide a control for the coverboard surveys. ECT surveyed FDOT right-of-way south of the LWRWEMA, in exposed soils, on each date of the coverboard surveys. During the visual inspection, positive skink tracks were identified on two of the survey dates: April 24 and May 15, 2023.

4.2 COVERBOARD SURVEY RESULTS

Intending to collect data in areas not captured in the FDOT study, installation of the coverboards for the transmission line was completed by April 16, 2023, and the areas were inspected for skink tracks on April 24, May 1, May 8, and May 15, 2023. The coverboard survey area was 15.03 acres and required 28 2-foot by 2-foot by 0.5-inch boards, avoiding areas already containing coverboards installed for the FDOT survey. **Figure 5** depicts the survey area and coverage. **Table 3** provides a summary of the installed coverboards.

Positive sand skink tracks were observed during the survey events conducted on April 24 and May 8, 2023. **Figure 5** depicts the locations of the tracks.

Other observed reptilian species or evidence of species during the survey effort included numerous six-lined racerunners (*Aspidoscelis sexlineata sexlineata*) and gopher tortoise (*Gopherus polyphemus*) burrows.

Table 3. Weather Conditions for Sand Skink Coverboard Survey

Coverboard ID	Installation Date	Monitoring Events			
		1- 04/24/23	2 – 05/01/23	3 – 05/08/23	4 – 05/15/23
		Conditions:70°, partly cloudy and overcast with thunderstorm forecast for the afternoon	Conditions: 80° and sunny, very breezy; heavy rains the previous day	Conditions: 85°, sunny with high UV	Conditions: 78 to 85°, sunny with high UV
HI-46	04/17/23	No tracks observed/snails found under board	No tracks observed	No tracks observed	No tracks observed
HI-46 -2	04/17/23	No tracks observed	No tracks observed	No tracks observed/snails found under board	No tracks observed/snails found under board
HI-56	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-56 - 2	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-68	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-68-2	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-74	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-74-2	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-74-3	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-92	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed/ants
HI-92-2	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed/ ants
HI-100	04/17/23	No tracks observed	No tracks observed	No tracks observed/ crickets	No tracks observed
HI-100-2	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed/ crickets
HI-100-3	04/17/23	No tracks observed	No tracks observed	No tracks observed/crickets	No tracks observed/ crickets
HI-102	04/17/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed/ crickets
HI-104	04/16/23	No tracks observed	No tracks observed	No tracks observed/ crickets	No tracks observed
HI-105	04/16/23	No tracks observed	No tracks observed	No tracks observed/ ant hill	No tracks observed/ ants
HI-112.001	04/16/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-112.002	04/16/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-112.002-2	04/16/23	No tracks observed	No tracks observed/ six-lined racerunner	No tracks observed/ six-lined racerunner	No tracks observed
HI-112.002-3	04/16/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-112.002-4	04/16/23	Tracks observed	No tracks observed	Tracks observed	No tracks observed/ snails found under board
HI-112.002-5	04/16/23	No tracks observed	No tracks observed	Coverboard had been moved from original location/no tracks observed	No tracks observed
HI-112.002-6	04/16/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed/crickets
HI-113	04/16/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-114	04/16/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed
HI-114-2	04/16/23	No tracks observed	No tracks observed	No tracks observed	No tracks observed

Source: ECT, 2023.

4.3 SUPPLEMENTAL FDOT SURVEY DATA

In December 2023, FPL received permission to use existing FDOT coverboard survey data to supplement areas of coverage where the FPL project footprint overlapped with the FDOT survey extent. This survey data was gathered during the 2023 protocol survey window and included an excess of 5,500 additional coverboard locations; 1,351 coverboards were placed within the FPL Project footprint. **Figure 6** depicts the overlap of the FDOT coverboard survey area and the FPL Project area.

Using data from FDOT, FPL was able to confirm absence (rather than presume presence) of sand skinks in areas where no positive presence was indicated. Where positive results (presence of skink tracks) overlapped with the FPL Project footprint and matting area, the inset maps, included as part of **Figure 7**, identify those areas in greater detail.

5.0 DISCUSSION

The proposed Project is located within the USFWS Consultation Area of both the Florida sand skink and the blue-tailed mole skink. These two species overlap in range and occupy the same habitat types, but the sand skink is the only species readily detectable through standard methodology, and its presence serves as a proxy for blue-tailed mole skink occupancy. ECT conducted a combination of a pedestrian visual survey and a coverboard survey.

The coverboard survey was completed in accordance with the *Sand Skinks and Blue-tailed Mole Skinks Survey Protocol for Peninsular Florida* (USFWS, 2020) as proposed during conversations with USFWS staff regarding technical assistance. The protocol requires that the surveys be conducted between March 1st and May 15th to confirm skink absence as well as document the known habitats occupied by skinks for the acreage of potential skink habitats within the Project area. In December 2023, updated guidance from USFWS provided for a second protocol survey window in the fall, between October 15th and December 15th. Surveys performed for the Project align with this updated guidance.

FPL installed 28 coverboards as part of the 2023 survey. Two sand skink tracks were observed beneath the coverboards throughout the coverboard portion of the survey. Multiple tracks identified while inspecting bare areas of sand in nearby habitat outside the impact area confirmed skink activity. All of the sand skink tracks observed were located in the active citrus groves or in FDOT right-of-way in April and May 2023. **Figure 5** depicts the locations of the coverboard and visual track sightings.

To determine the extent of occupied skink habitat, the guidance found in **Appendix D** (Estimating Skink Habitat Use on a Project Site in Peninsular Florida) of the USFWS *Peninsular Florida Species Conservation and Consultation Guide* (2020) applies an 80-foot radius around each recorded skink track. Based on the observations, a radius of 80 feet around HI-112.002-4, (or 0.46 acre) is assumed to be occupied skink habitat (**Table 4**).

Because of legal access concerns, ECT staff did not pursue further visual inspections or coverboard surveys beyond the extent landowners had permitted (**Figure 5**). Those parcels (approximately

1.83 acres) were omitted for this survey period and may be revisited when access is granted by the landowners.

Leveraging the 2023 FDOT survey data, FDOT coverboards within 80 feet of the transmission project footprint added a total of 406 coverboards and resulted in an additional seven positive indicators of skink presence. This increased the known occupied skink habitat by another 3.22 acres for a total of 3.68 acres. Subtracting overlapping buffers and clipping this habitat area to just the impact (matted) areas, which includes both temporary construction and permanent structure impacts, within the Project footprint reduces to 1.05 acres of potentially impacted habitat.

Table 4. Known Habitat Per Sand Skink Coverboard Survey

	FPL Project Footprint 69.45 acres	Matted Area (Impact Area) 15.03 acres	Positive Indicator in Matted Area	Negative Indicator in Matted Area	80-Foot Radius Around Positive Indication/ Known Skink Habitat in Acres
FPL coverboards		28	1	27	0.46
FDOT coverboards	1,351	406	7	399	3.22
Occupied habitat acreage					3.68

Source: ECT, 2023.

6.0 PROJECT DESCRIPTION

FPL is proposing to construct a new 230-kilovolt (kV) transmission line, Waterway-Dorr Field, which is scheduled to be in service by December 2025. The Project will extend approximately 37 miles, traversing through multiple counties in a combination of existing and new rights-of-way. The Project originates at Glades Electric Cooperative's Morris substation (to be renamed Waterway) in Highlands County to the existing FPL Dorr Field substation in DeSoto County, Florida. This is the third segment of the larger project that will traverse through three Florida counties: Okeechobee, Highlands, and DeSoto.

Impacts will be minimized by selective pole placement, the use of construction matting to reduce ground disturbance and the minimization of access roads. No new permanent roads are anticipated for this project.

6.1 PROJECT FACILITIES

The Project will be constructed using monopole, self-supported structures. Structures will either be spun concrete or steel. The aerial overhead transmission line will have three phases and an overhead ground wire. Construction of Segment 3 will involve the rebuilding/replacement of existing distribution structures and, in some sections, distribution underbuilt facilities will be attached to the new structures.

For the purposes of both construction and maintenance, both temporary and permanent easements may be required, although much of the Project will involve replacing structures within existing FPL easements. Transmission poles to construct this Project will vary in height from 75 to 110 feet above ground height, typically. Poles will be approximately 3 to 4 feet in diameter, and foundations will be either direct-embedded or augered, cast-in-place concrete varying in width from 4 to 8 feet for steel structures. Pole spacing will typically vary from 300 to 750 feet, depending on physical features and site conditions along the right-of-way.

The Project will be built using standard construction techniques. Existing paved and unpaved access roads will be used for construction and maintenance of the Project to the extent practicable. Based on their condition, some improvements to these existing access roads may be required.

Both temporary and permanent easements may be acquired for both construction and maintenance access purposes. It is anticipated that for Segment 3, most construction access will be from existing easement and road rights-of-way where matting will be used temporarily.

Permanent patrol roads will not be constructed. However, both temporary and permanent easements along the road rights-of-way are being acquired for both construction and maintenance purposes. The width and length of off-road right-of-way access points will vary as needed, depending on site-specific locations and landowner negotiations. Substation expansions will be permitted outside of this process and are not included in this submittal.

6.2 DESIGN CODES AND STANDARDS

The primary code used in design of transmission lines is the National Electrical Safety Code (NESC), 2017 Edition. The NESC is an American National Standards Institute standard that covers electrical clearances and loading and strength requirements, including extreme wind. Codes and standards of other agencies and standard organizations that provide rules, guidelines, and conditions for particulars not specified by NESC but used to design and construct proposed transmission lines include:

- Occupational Safety and Health Administration rules, which provide requirements for safe minimum approach distances during construction.
- American Society of Civil Engineers Manual of Practice No. 74, Guidelines for Electrical Transmission Line Structural Loading, 2009, and Standard No. 48-11, Design of Steel Transmission Pole Structures, if using steel structures.
- Federal Aviation Administration guidelines (Title 14, Part 77, Code of Federal Regulation), which cover requirements in the vicinity of airports, if applicable.
- Florida Department of Environmental Protection regulations for electric and magnetic fields from electrical transmission lines under the provisions of Sections 403.061(30) and 403.523(14), Florida Statutes. (The pertinent rule is 62-814, Florida Administrative Code. No permit is issued; however, utility companies can demonstrate compliance with the regulations with monitoring.)
- Florida Department of Transportation 2017 Utility Accommodation Manual.

These codes, guidelines, and standards provide design parameters with the goal of protecting public safety.

6.3 CONSTRUCTION OF THE FACILITIES

6.3.1 GENERAL CONSTRUCTION DESCRIPTION

The Project will not construct new permanent roads but will instead utilize roadless construction techniques to minimize impacts to wetland features. Permanent impacts will be limited to the footprint of the transmission line structures, and selection of those pole placement locations has been planned to avoid or minimize impacts to wetlands and water bodies to the extent practicable. Temporary impacts to wetlands will be restricted to areas where access or construction workspace is needed. Matting will be used to protect wetlands where impacts cannot be avoided. Temporary construction matting may also be used to reduce ground disturbance in uplands. Following construction, natural contours will be restored to preconstruction levels. In areas where clearing is required, some forested wetlands will be converted to herbaceous.

The Project will use a combination of skilled construction personnel. Prior to clearing, survey crews will enter the transmission right-of-way to establish clearing limits followed by clearing crews, which will generally consist of vegetation management crews working under the direction of a certified arborist. After clearing is complete, matting will be placed as needed by matting crews. Foundation installation and excavation will be completed by site civil personnel, which, similar to clearing and matting, will consist of laborers and equipment operators. Concrete workers will also be utilized for those structures supported by auger cast foundations. Structure setting, framing, and conductor installation will be performed by experienced transmission line workers, crane operators, and other heavy equipment operators. Clearing crews will be utilized to maintain stormwater pollution prevention plan measures and right-of-way restoration. Continuous oversight of construction operations will be provided by FPL Construction Management, with daily direct supervision of construction (including adherence to safety and environmental requirements) performed by the general contractor's supervisory personnel. FPL will also provide environmental compliance oversight during construction by using experienced environmental inspectors.

Construction sequencing along several spreads will keep the duration of construction to a minimum and limit the disturbance of the temporary matting. Once construction is completed, the area will be returned to its original contours.

Best management practices (BMPs) will be implemented during construction to prevent or minimize the release of fluids from construction-related equipment.

6.3.2 CONSTRUCTION CLEARING METHODS

The work area will be cleared according to area type (i.e., wetland, upland, scrub) using the following methods. In general, vegetation removal will occur in the work area to the widths specified on the plans:

- Vegetation Management in Scrub Habitat—Mechanical vegetation removal is the primary means by which scrub habitat is managed along transmission line corridors. Mechanical techniques will primarily include removal of slash pine, sand pine, and exotic species while creating areas of scrub oak between 3.5 and 8 feet high (4 and 5.5 feet is optimal).
- Clearing Within Wetlands—Removal of trees by hand or using low ground pressure equipment to reduce soil compaction and damage to ground cover and mowing of remaining vegetation with a low ground pressure flail or grinder-type mower. Removable construction matting in conjunction with BMPs may be used in wetlands to support equipment. Final cut height of tree stumps will be either the top of water or ground surface, whichever is higher. Cut vegetation and woody debris will be removed, and resulting ruts will be repaired.
- Mowing Within Wetlands—Shrub vegetation will be mowed to ground surface or top of water, whichever is higher, using a low ground pressure flail or grinder-type mower. Woody debris will be removed, and the resulting ruts will be repaired.
- Clearing Within Uplands—At minimum, all at-grade roads, pads, structures, and guy areas will be grubbed. Remaining tree removal can be grubbed or stumps ground to below ground surface. Remaining shrubs and ground cover can be grubbed or mowed. Disturbed areas will be filled, leveled, and stabilized with seed and mulch. Disturbed slopes will be sodded and staked.

6.3.3 CONSTRUCTION SCHEDULE

The transmission line preconstruction activities in Segment 3 are anticipated to begin in the spring of 2025 and be completed approximately 12 months later.

TLSA Segment 3: Waterway-Dorr Field Schedule

	2025											
Activity	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Vegetation Clearing	1/1				5/1							
Installation and removal of erosion & turbidity control and stabilization	1/1											12/1
Dredging and Filling (Pole Installation)		2/1									11/1	

6.3.4 ACCESS TO RIGHT-OF-WAY

FPL is currently negotiating agreements with landowners for temporary and permanent easements for both construction and maintenance access where needed. No new roads are proposed. For Segment 3: Waterway-Dorr Field, it is anticipated that access will be along existing easement or from road rights-of-way. Improvements for access are expected to be limited to light grading, filling of potholes, and light tree trimming. Matting will be used as needed to address site-specific conditions to be assessed at the time of construction.

6.4 OPERATIONS AND MAINTENANCE

Once constructed, the transmission line would be in service continuously for approximately 50 years. Routine inspection will be conducted for poles, conductors, easement vegetation, and right-of-way access once a year from the ground. Additional inspections may also be conducted by helicopter or drone on an as-needed basis.

FPL's transmission vegetation management practices use an integrated vegetation management approach to achieve program objectives through:

- Identification of compatible and incompatible vegetation through inspections that occur once a year.
- Implementation of appropriate control methods to discourage incompatible vegetation.
- Promotion of compatible vegetation.

Control methods are based on environmental impact and anticipated effectiveness, along with site characteristics, security, economics, current land use, and other factors. These methods include, but are not limited to pruning, removal, herbicide application, and mowing. Transmission vegetation management is a perspective-based program. Vegetation management schedules and methods are based on arborist field inspection observations, type of vegetation present, and related growth rates.

7.0 EVALUATION OF POTENTIAL EFFECTS

The known occupied skink habitat area identified within the impact (matted) areas, which includes both temporary construction and permanent structure impacts, within the transmission line Project footprint equals 1.05 acres.

Temporary impacts to potential skink habitat may occur during construction activities within the matted areas. Permanent impacts will be isolated to the permanent fill associated with the direct-embed of transmission structures. Soil disturbance will be limited to structure locations representing 0.074 acres of permanent fill impact and 14.96 acres of temporary construction matting impacts within 61.78 total acres of potential skink habitat (table provided in Section 3.2). The mid-span areas will remain vegetated after the Project.

Preconstruction vegetation clearing outside of Lake Wales Ridge Wildlife Management and Environment Area (LWRMEA) will adopt mower height limited to 4 inches above ground surface to avoid ground disturbance.

Preconstruction vegetation management activities within LWRMEA will follow the FPL Scrub Management Plan specialized prescription for mechanical maintenance.

Easement in LWRMEA (Florida Fish and Wildlife Conservation Commission [FWC] conservation area) is currently overgrown along the southern fence line and not currently managed as xeric scrub oak habitat. Construction activities may provide the opportunity to benefit scrub habitat in lieu of fire by thinning out existing vegetation.

Regular vegetation management will occur within the final permanent easement for ongoing maintenance of right-of-way, adding habitat value for scrub species in an area where fire is not practicable.

8.0 CONSERVATION MEASURES

Because occupied sand skink habitat is known to be present within portions of the Project, FPL will minimize impacts to the occupied habitat through siting of the poles and use of construction matting to access the structure locations and will work with USFWS to manage the occupied areas consistent with skink habitat.

Furthermore, this section of Segment 3: Waterway-Dorr Field will be added to the list of easements managed under FPL's Scrub Management Plan, and subsequent maintenance mowing will follow the specialized prescription. However, the area will not be surveyed biannually for scrub-jay presence due to its proximity to SR 70.

The permanent impacts associated with construction of the Segment 3: Waterway-Dorr Field Project is 0.074 acre (permanent transmission structure fill). Temporary impacts associated with the proposed Project's construction will be 14.96 acres. The calculated acreage of scrub habitat to be managed under the FPL Scrub Management Plan is 0.71 acres within the LWRWMEA.

FPL's Scrub Management Plan details methods to manage native scrub habitat post-construction and includes prescriptive methods such as aggressive mechanical management actions, where necessary. Native scrub habitat formerly depended upon fire for its long-term maintenance as fire prevents the succession of suitable low, open scrub into unsuitable closed canopy forest. However, fire is not a practicable management option due to the urban communities surrounding the transmission corridors; therefore, mechanical means are necessary.

Mechanical techniques will primarily include removal of slash pine, sand pine, and exotic species while creating areas of scrub oak between 3.5 and 8 feet high (4 and 5.5 feet is optimal). Herbicides will be used as needed for maintaining the scrub oak mosaic. No habitat maintenance will occur during March through July, which coincides with the Florida scrub-jay's nesting season (FWC, 2009).

In addition, the following guidelines should be used for managing scrub habitat.

- February is the best month for mowing; August is a good alternative if February is not possible.
- If an area has become overgrown, roller chop 80-percent vegetation to the ground.
  - Always retain 20-percent of scrub oak vegetation in the area for shelter and acorn production.
  - If vegetation is too high, mowing oaks down to a manageable height (4 feet) will not kill oaks.
    - Maintaining habitat with open areas is found to be more important to scrub-jays than trying to retain overgrown vegetation.
- Herbicide use is now being incorporated in habitat management plans.
  - Control of exotics and maintaining open areas are key components.
  - Reclaim open areas using U.S. Environmental Protection Agency-tested and approved herbicide, used sparingly. Do not create large open areas.
- Mower spacing to establish oak islands. The goal is to maintain 60- to 75-percent scrub oak broken up significantly with open space.
  - Mow in a cross-hatch pattern; take advantage of previously established open areas:
    - Open areas 3 to 6 feet wide (one to two mower passes).
    - Scrub oak vegetation islands 5 to 10 feet wide (skip two mower passes).
    - There should be 20 to 25 transitions (vegetated/open space) per 300 feet.
  - Maintain open areas around structures; they can be counted toward the percentage of open areas.

The scrub management activities will use existing access roads, trails, easements, and disturbed habitat areas as primary ingress and egress points. All mechanical treatment activities will be conducted using rubber-tired, heavy equipment to minimize soil disturbance within the corridor.

9.0 EFFECT DETERMINATION

The coverboard survey occurred between April 10 and May 6, 2023. Results of the survey indicated that skinks were observed within portions of the survey area. Supplemental data received from FDOT further corroborated this outcome. Known occupied skink habitat area identified within the impact (matted) areas within the transmission line Project footprint equals 1.05 acres, including both temporary construction impacts and permanent structure fill impacts.

Temporary impacts to potential skink habitat may occur during construction activities within the matted areas. Permanent impacts will be isolated to the permanent fill associated with the direct-embed of transmission structures within those matted areas. Soil disturbance will be limited to structure locations representing 0.074 acres of permanent fill impact and 14.96 acres of temporary construction matting impacts within 61.78 total acres of potential skink habitat (refer to table provided in Section 3.2). The mid-span areas will remain vegetated after the Project.

The temporary nature of the disturbance anticipated within the Project footprint during Project construction, limited impacts associated with the installation of structures, and maintenance of the final right-of-way may result in some minor changes in the use patterns of the sand skink in the Project area. However, these minor changes are not expected to result in the loss of sand skinks, scrub habitat, or their use of the area.

Therefore, it is considered that the Project may affect but is not likely to adversely affect the sand skink.

10.0 REFERENCES

Florida Department of Transportation (FDOT). 1999. Florida Land Use, Cover, and Forms Classification Systems. Handbook.

———. 2023. Sand Skink Survey Data. Shapefiles.

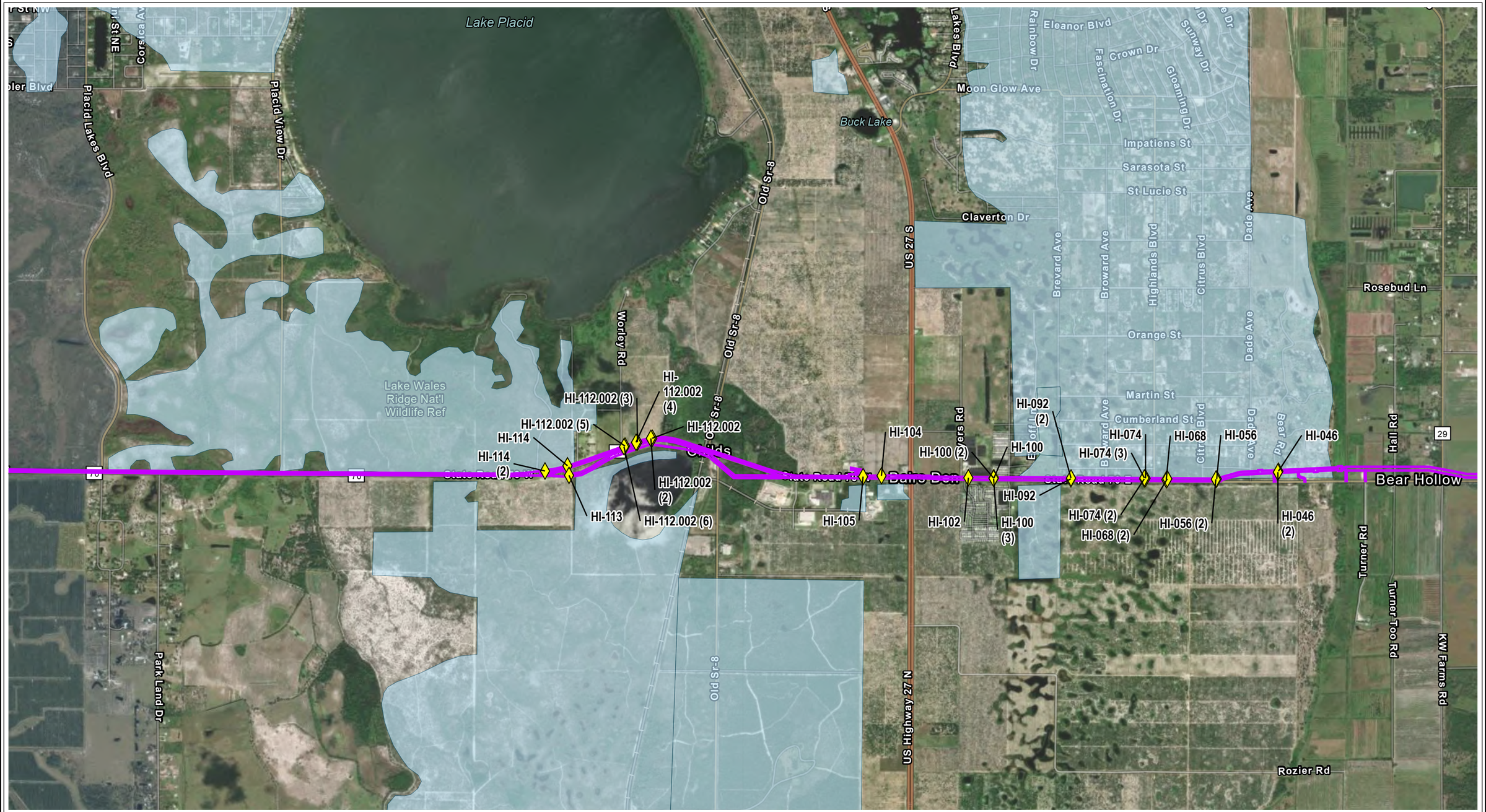
Florida Power & Light Company (FPL). 2004. Scrub Management Plan.

Krysko, K.L., K.M. Enge, and P.E. Moler. 2019. Amphibians and Reptiles of Florida. Gainesville: University of Florida Press.

U.S. Fish and Wildlife Service (USFWS). 2020. Peninsular Florida Species Conservation and Consultation Guide: Sand Skink and Blue-tailed (bluetail) Mole Skink. South Florida Ecological Services Field Office. Vero Beach, Florida. https://www.fws.gov/verobeach/ReptilesPDFs/20200731_SkinkConservationandConsultationGuide.pdf

———. 2023. (Updated) Peninsular Florida Species Conservation and Consultation Guide: Sand Skink and Blue-tailed (bluetail) Mole Skink. South Florida Ecological Services Field Office. Vero Beach, Florida. https://www.fws.gov/media/sand-skink-and-blue-tailed-mole-skink

FIGURES



Legend

- Sand Skink Survey Coverboard Location
- Segment 3: Waterway-Dorr Field
- Scrub Jay Habitat (FWC)

N

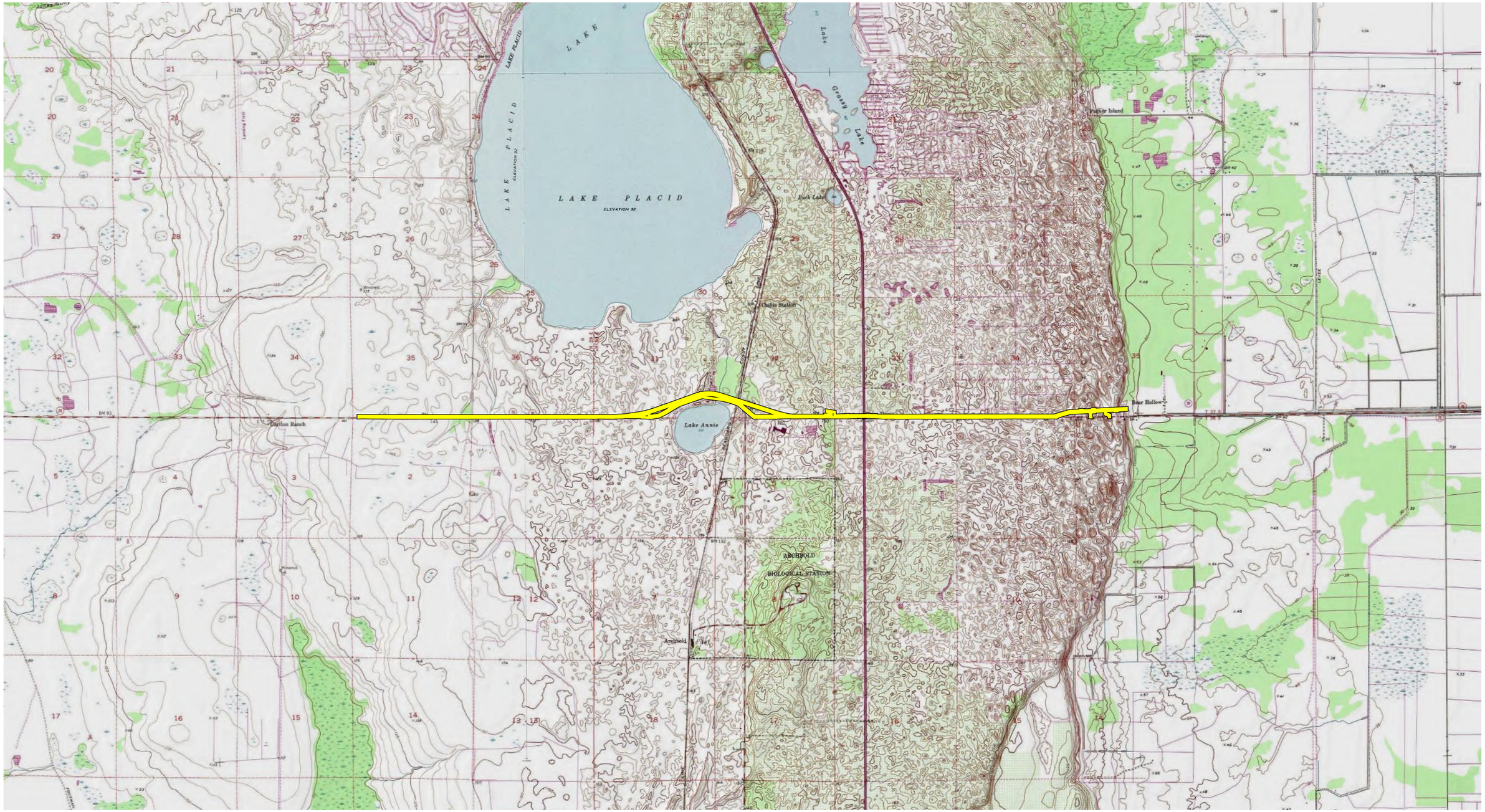
0 0.5 1

Miles

Sources: FWC, 2022 & 2023; USFWS, 2022, Imagery. 2020; ECT, 2023.

Figure 1.
Segment 3: Waterway - Dorr Field
Location Map
Sand Skink Survey
Highlands and DeSoto Counties, Florida

ECT



Legend

Project Footprint (Sand Skink Survey Area)

N

0 0.5 1

Miles

Sources: USGS Childs, Florida, 1972; ECT, 2023.

Figure 2
Segment 3: Waterway - Dorr Field
USGS Topographic Map
Skink Survey Area

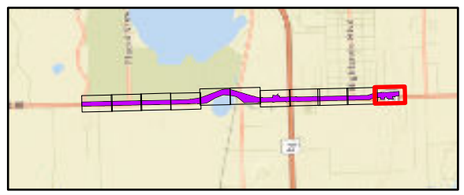
Highlands County, Florida

ECT

Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

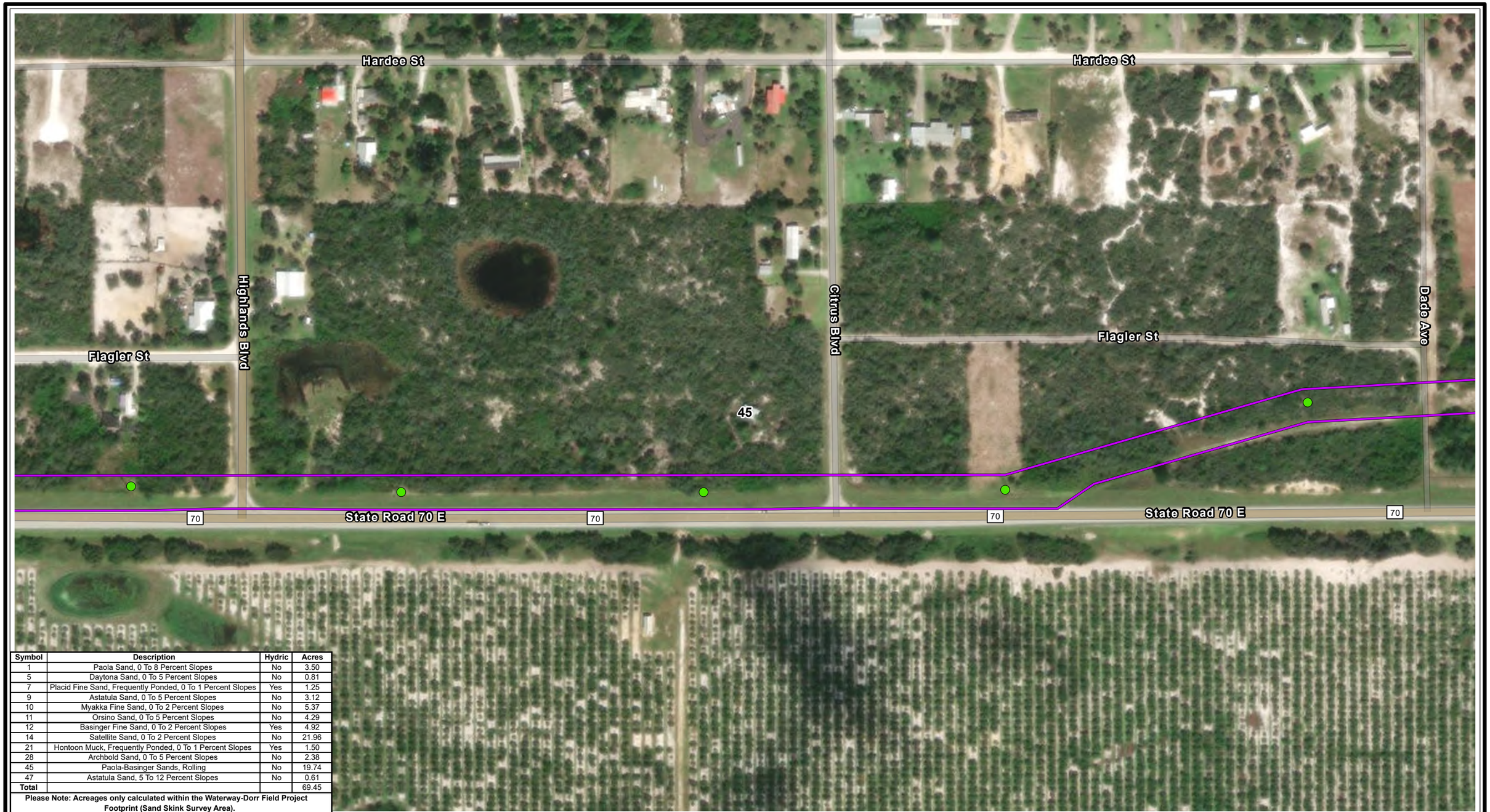
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 1 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

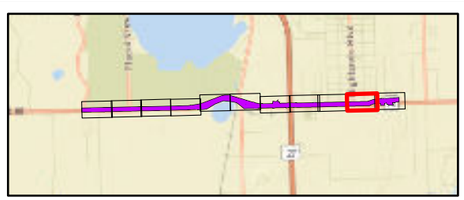
ECT



Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 2 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

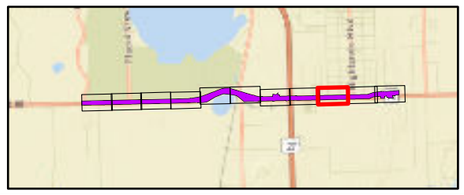
Date: 6/20/2023

ECT

Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 3 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

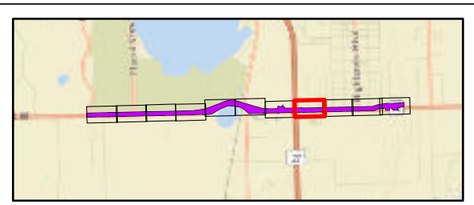
Date: 6/20/2023

ECT

Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

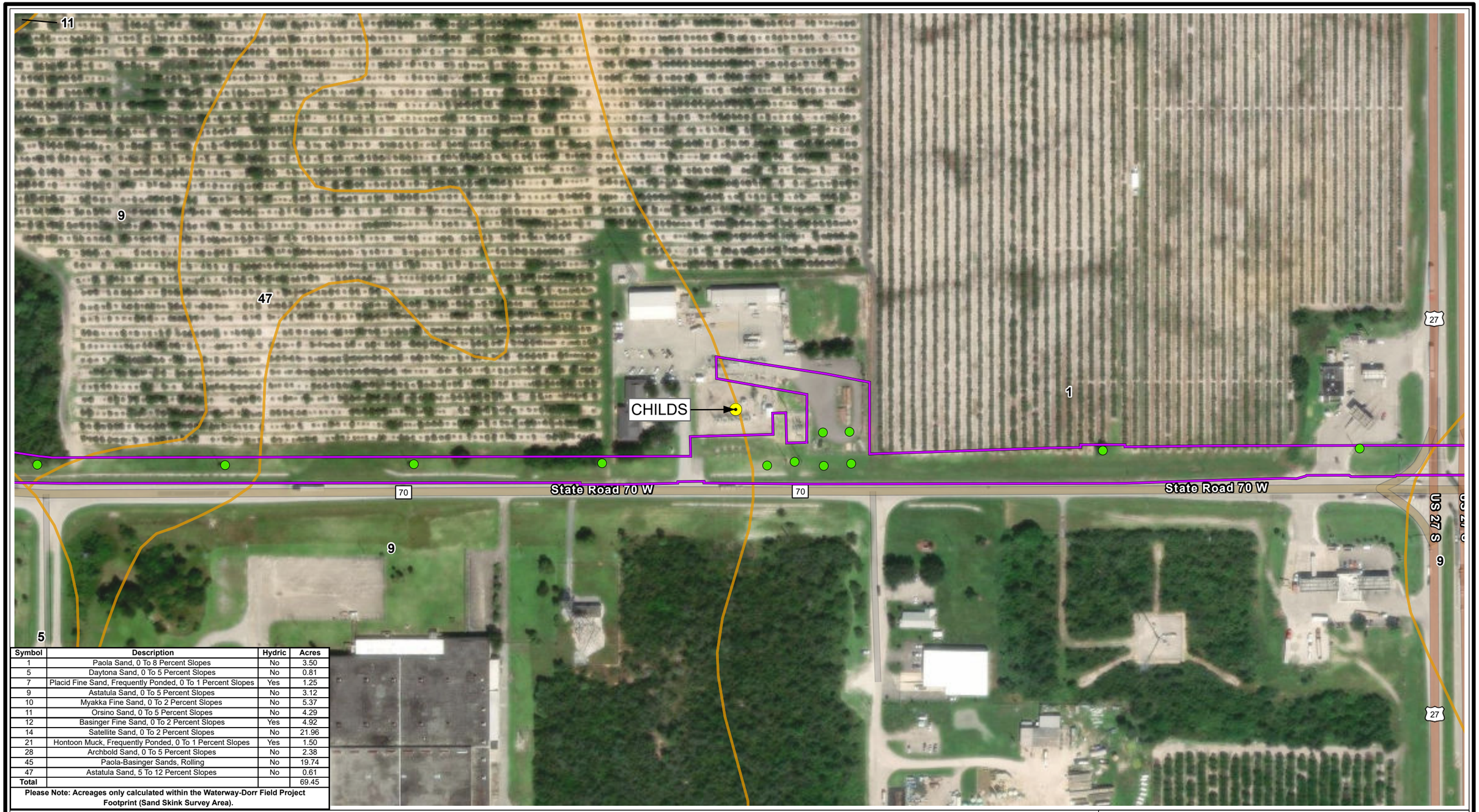
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 4 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

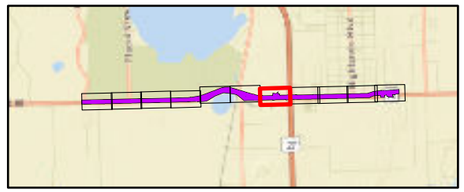
ECT



Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 5 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

ECT

Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)

N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 6 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

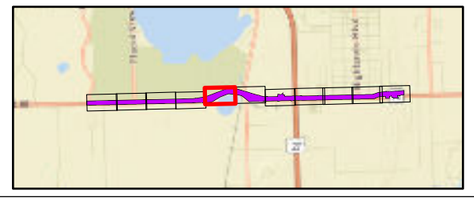
Date: 6/20/2023

ECT

Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 7 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

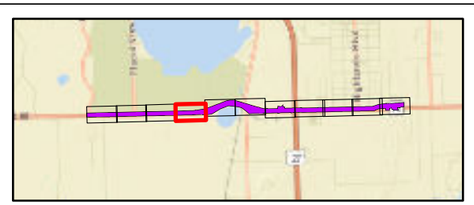
Date: 6/20/2023

ECT

Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 8 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

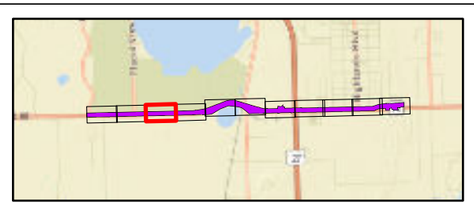
Date: 6/20/2023

ECT

Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

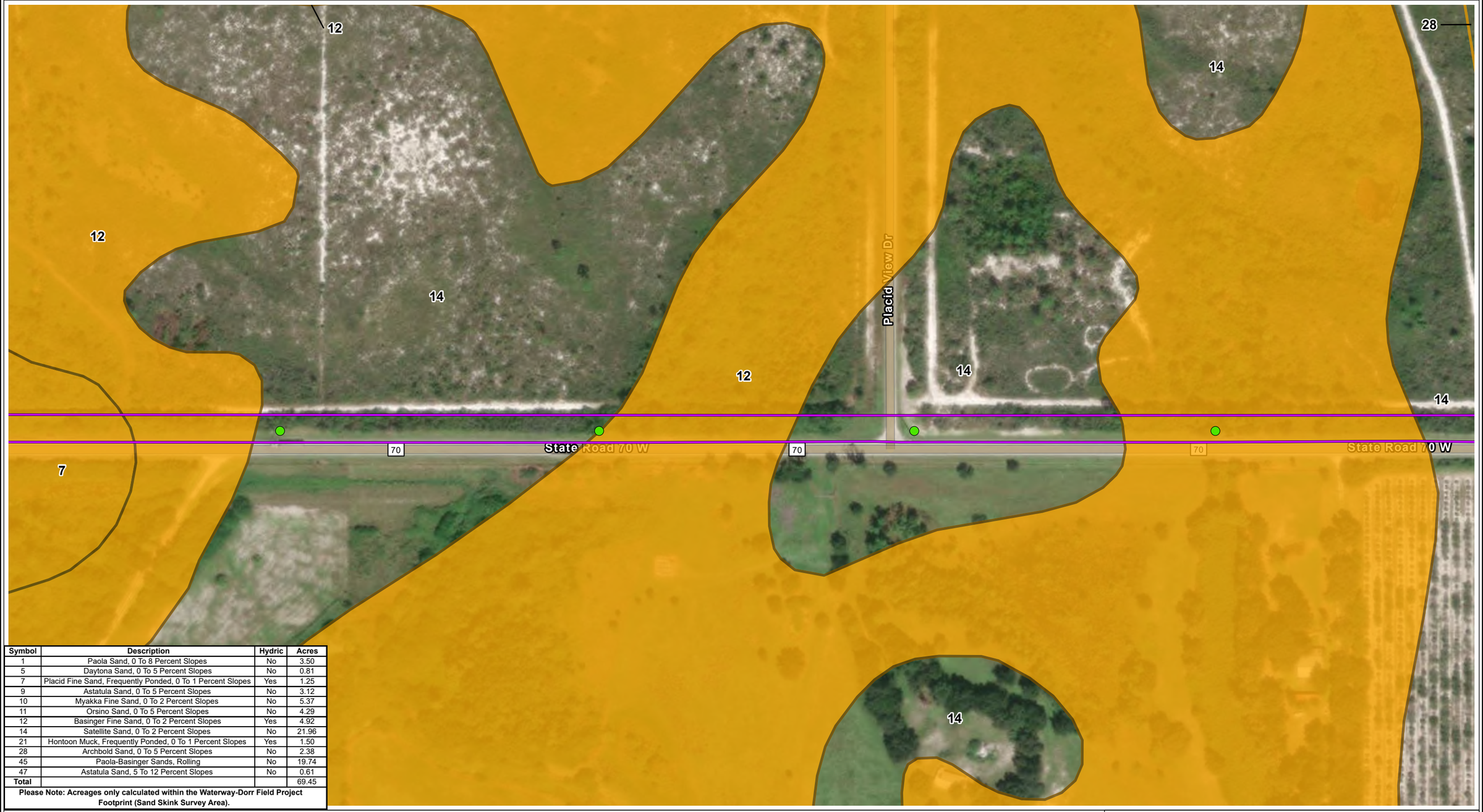
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 9 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

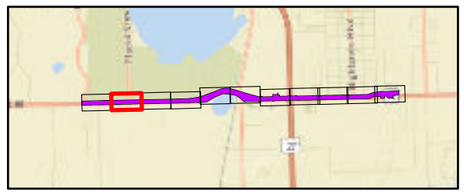
ECT



Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

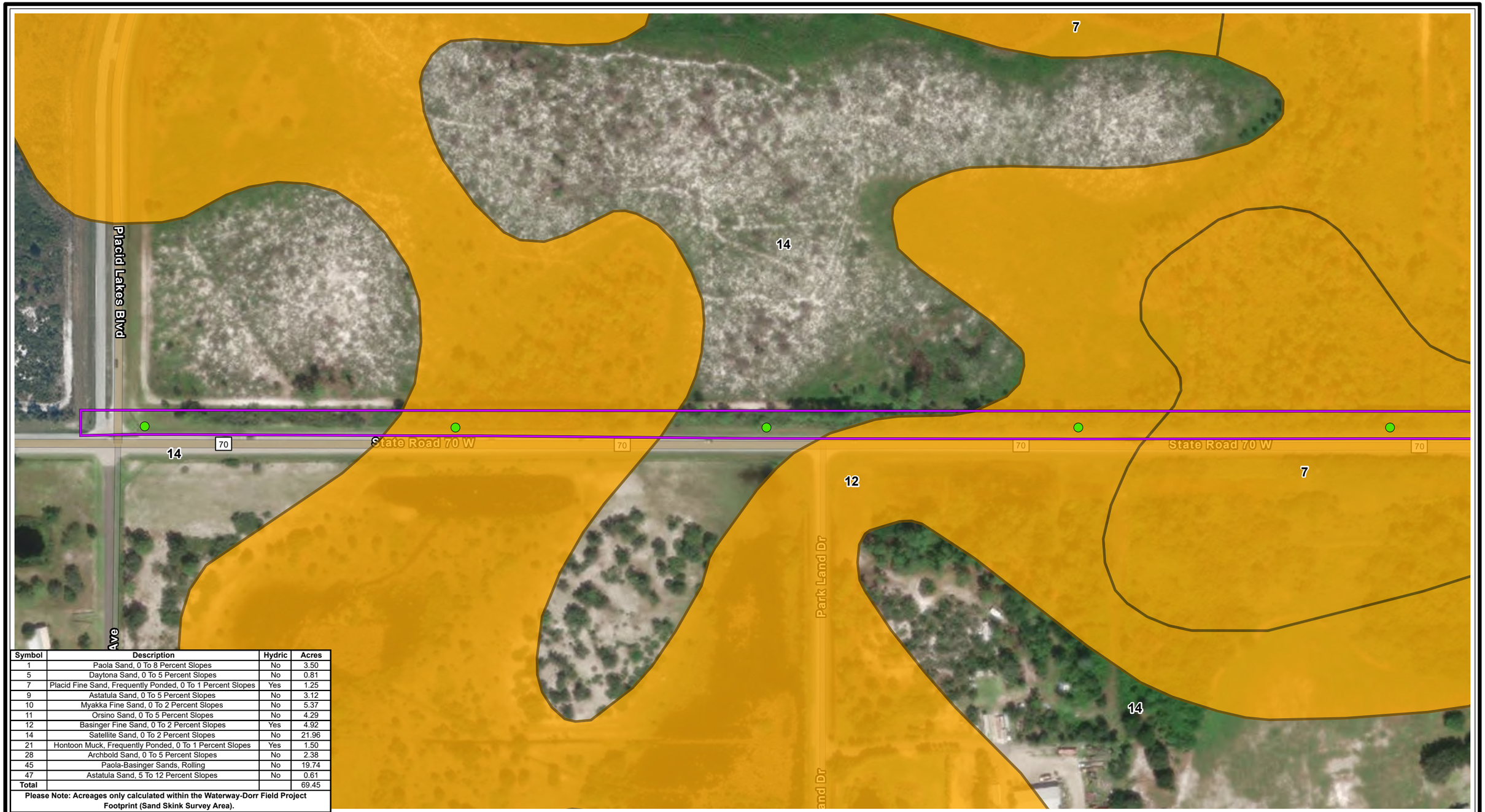
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 10 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

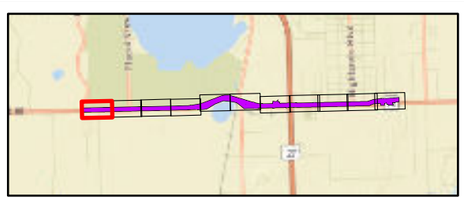
ECT



Symbol	Description	Hydric	Acres
1	Paola Sand, 0 To 8 Percent Slopes	No	3.50
5	Daytona Sand, 0 To 5 Percent Slopes	No	0.81
7	Placid Fine Sand, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.25
9	Astatula Sand, 0 To 5 Percent Slopes	No	3.12
10	Myakka Fine Sand, 0 To 2 Percent Slopes	No	5.37
11	Orsino Sand, 0 To 5 Percent Slopes	No	4.29
12	Basinger Fine Sand, 0 To 2 Percent Slopes	Yes	4.92
14	Satellite Sand, 0 To 2 Percent Slopes	No	21.96
21	Hontoon Muck, Frequently Ponded, 0 To 1 Percent Slopes	Yes	1.50
28	Archbold Sand, 0 To 5 Percent Slopes	No	2.38
45	Paola-Basinger Sands, Rolling	No	19.74
47	Astatula Sand, 5 To 12 Percent Slopes	No	0.61
Total			69.45

Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).

- Proposed Structure
- Substation
- Soil
- Hydric Soil
- Project Footprint (Sand Skink Survey Area)



N

0 200 400

Feet

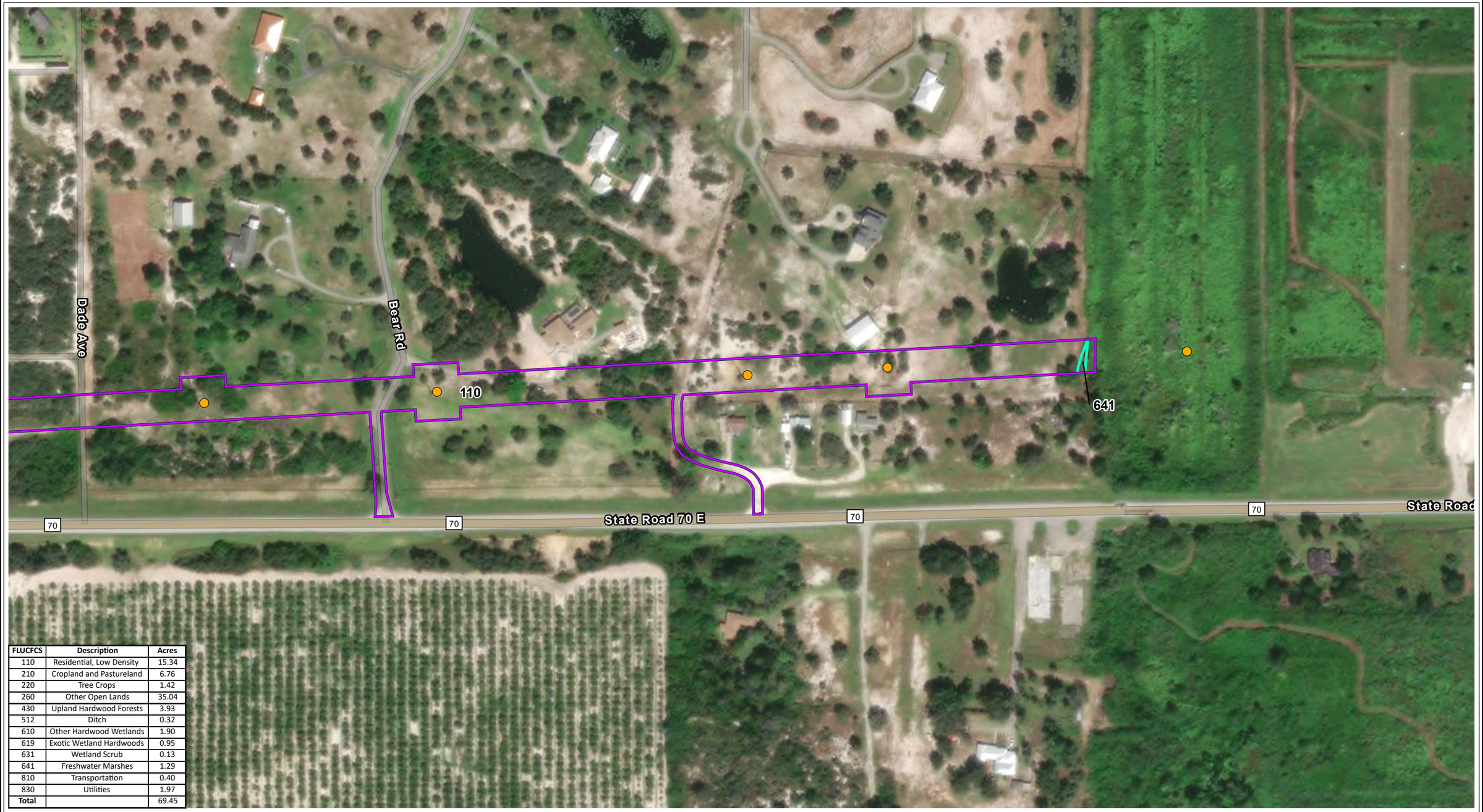
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2023.

Figure 3 - Page 11 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Soils

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

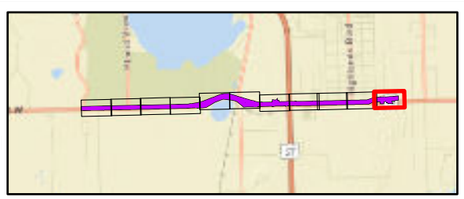
ECT



FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 1 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

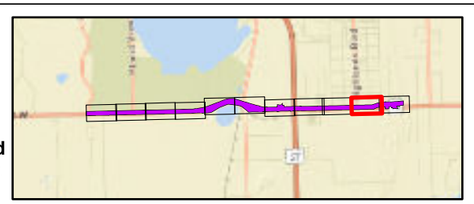
Date: 6/20/2023

ECT

FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 2 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

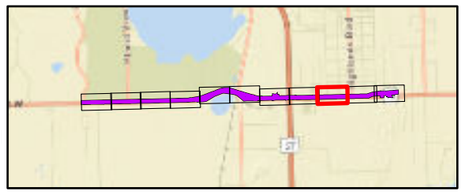
Date: 6/20/2023

ECT

FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 3 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

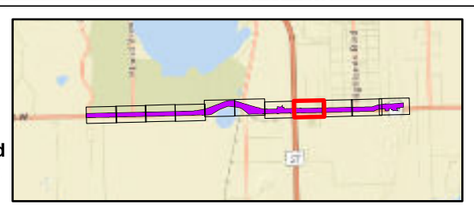
Date: 6/20/2023

ECT

FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

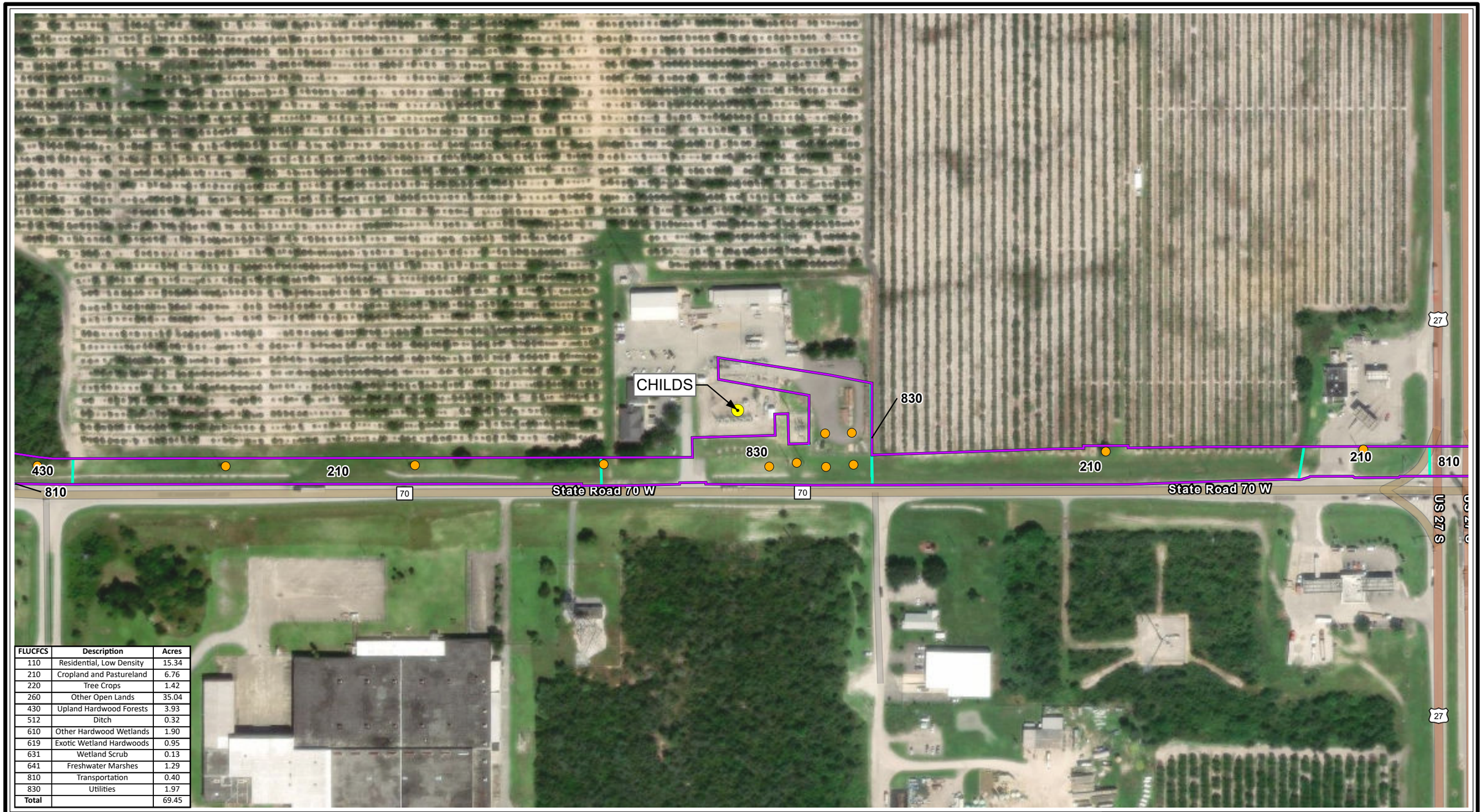
Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 4 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

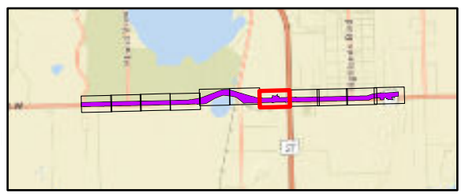
ECT



FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

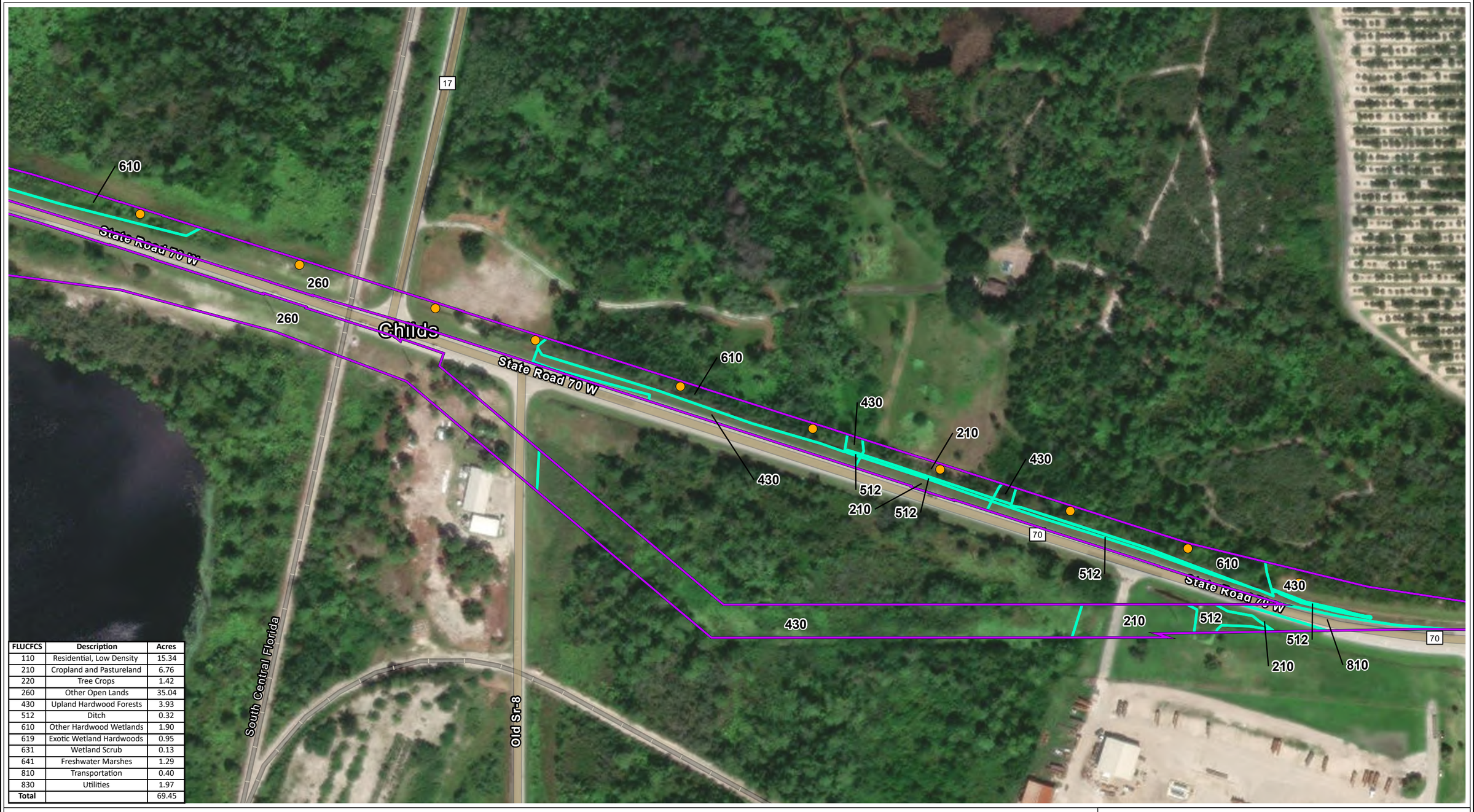
Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 5 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

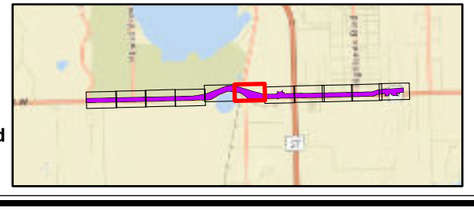
ECT



FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 6 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

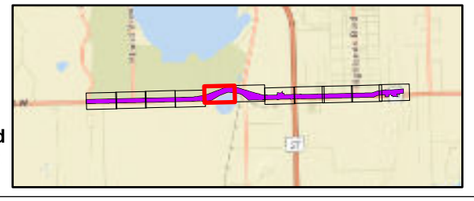
Date: 6/20/2023

ECT

FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 7 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

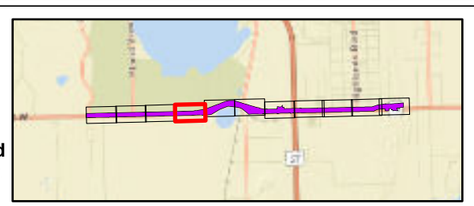
Date: 6/20/2023

ECT

FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 8 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

ECT

641

641

260

W

70

70

State Road 70 W

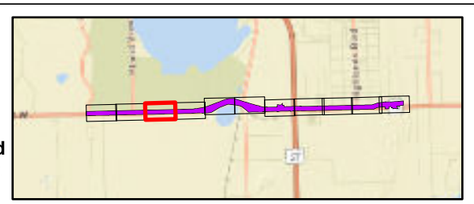
70

70

FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

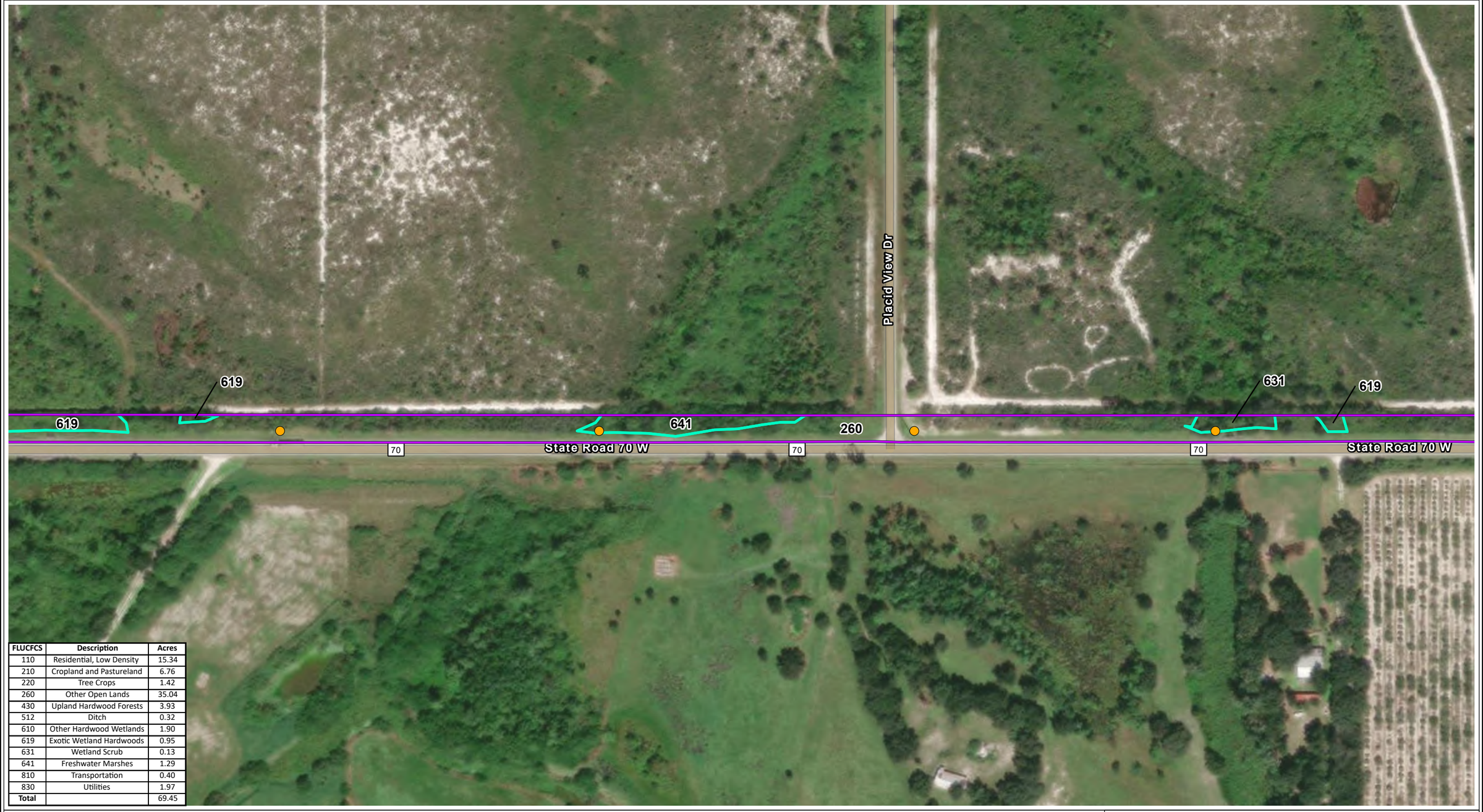
Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 9 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

Date: 6/20/2023

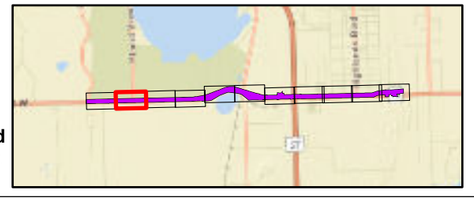
ECT



FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 10 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

Highlands and DeSoto Counties, Florida

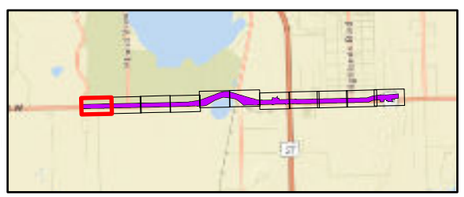
Date: 6/20/2023

ECT

FLUCFCS	Description	Acres
110	Residential, Low Density	15.34
210	Cropland and Pastureland	6.76
220	Tree Crops	1.42
260	Other Open Lands	35.04
430	Upland Hardwood Forests	3.93
512	Ditch	0.32
610	Other Hardwood Wetlands	1.90
619	Exotic Wetland Hardwoods	0.95
631	Wetland Scrub	0.13
641	Freshwater Marshes	1.29
810	Transportation	0.40
830	Utilities	1.97
Total		69.45

- Proposed Structure
- Substation
- Project Footprint (Sand Skink Survey Area)
- Delineated LULC

***Please Note: Acreages only calculated within the Waterway-Dorr Field Project Footprint (Sand Skink Survey Area).**



N

0 200 400

Feet

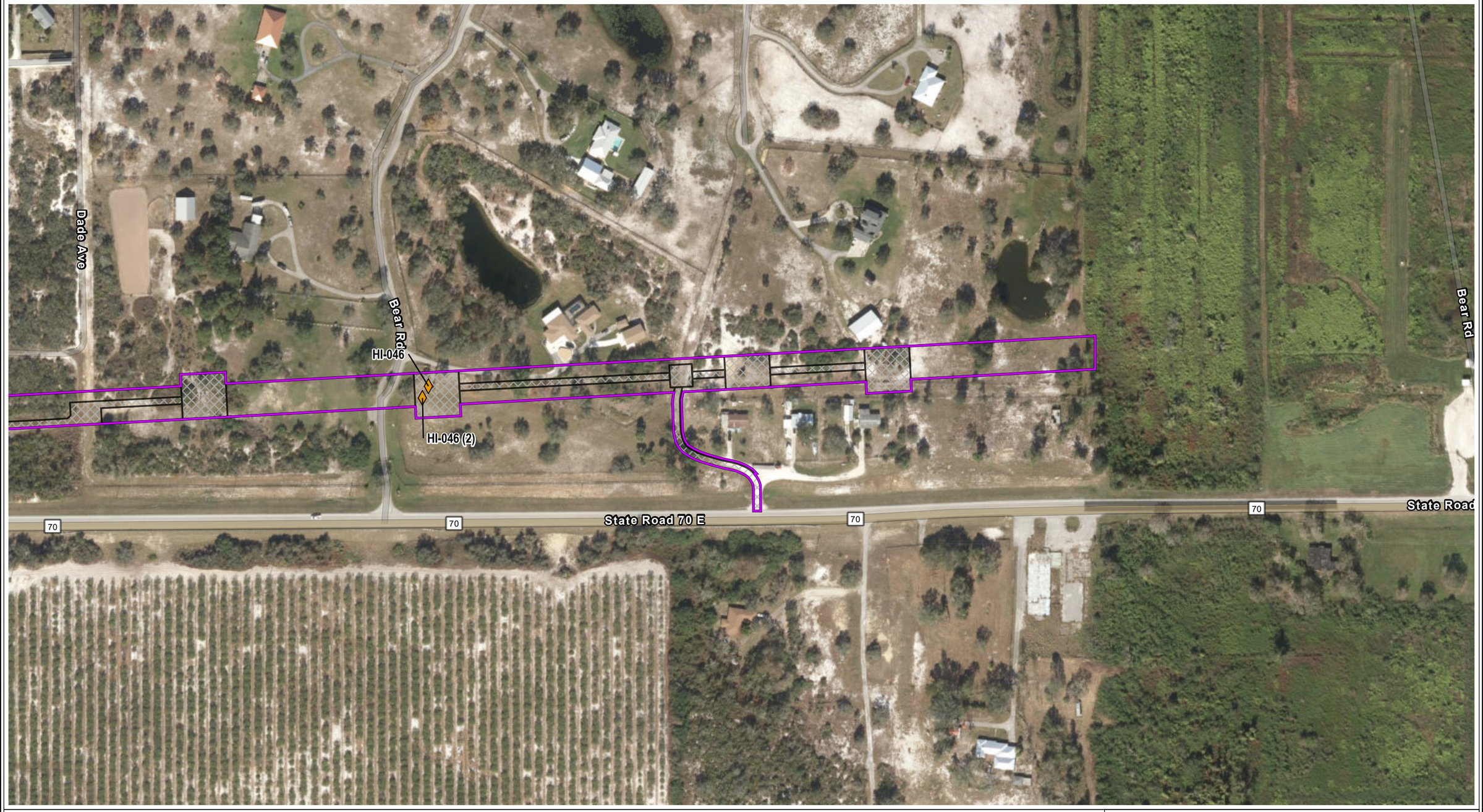
Sources: Esri World Imagery, 2020; ECT, 2023.

Figure 4 - Page 11 of 11
Segment 3: Waterway – Dorr Field
Sand Skink Land Use/Land Cover

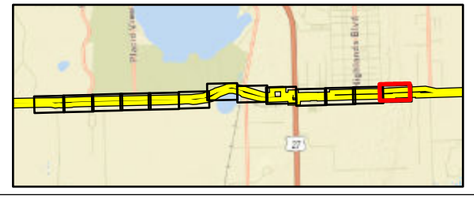
Highlands and DeSoto Counties, Florida

Date: 6/20/2023

ECT



- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

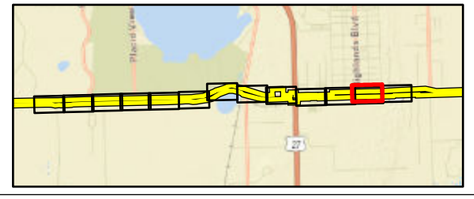
Figure 5- Page 1 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

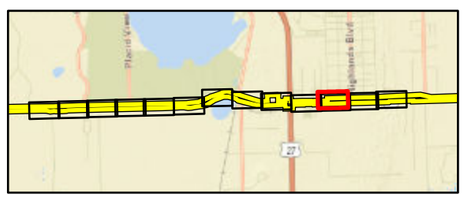
Figure 5- Page 2 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

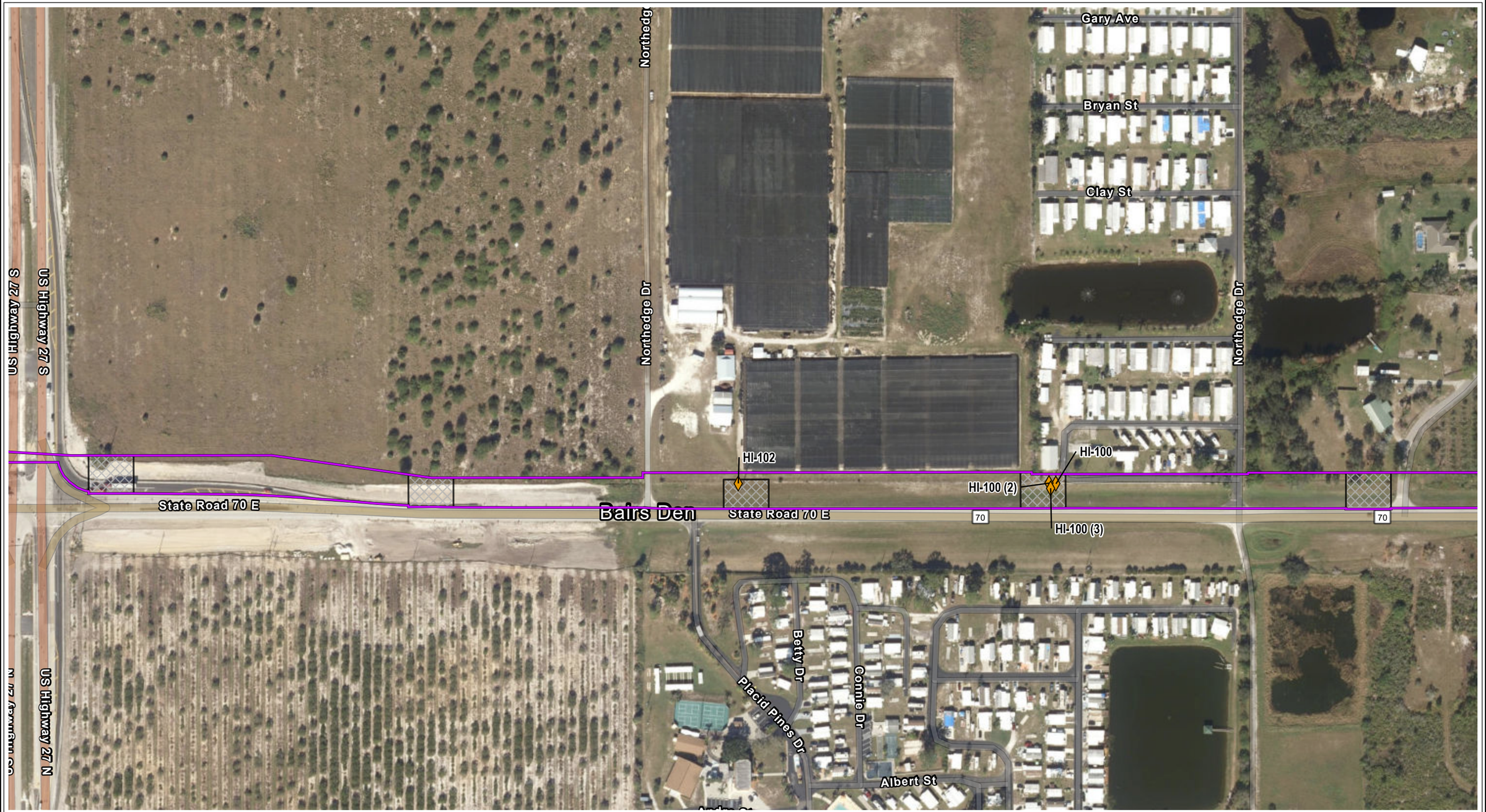
Sources: Esri World Imagery, 2020; ECT, 2024.

Figure 5- Page 3 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

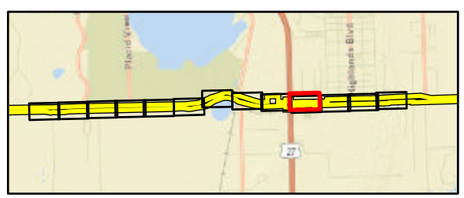
Highlands County. Florida

Date: 5/14/2024

ECT



- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

Figure 5- Page 4 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

CHILDS

HI-105

HI-104

Circle K

US Highway 27 S

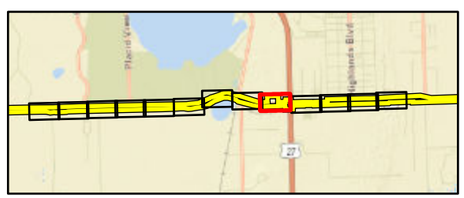
State Road 70 W

70

Chevron

Distribution Blvd

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

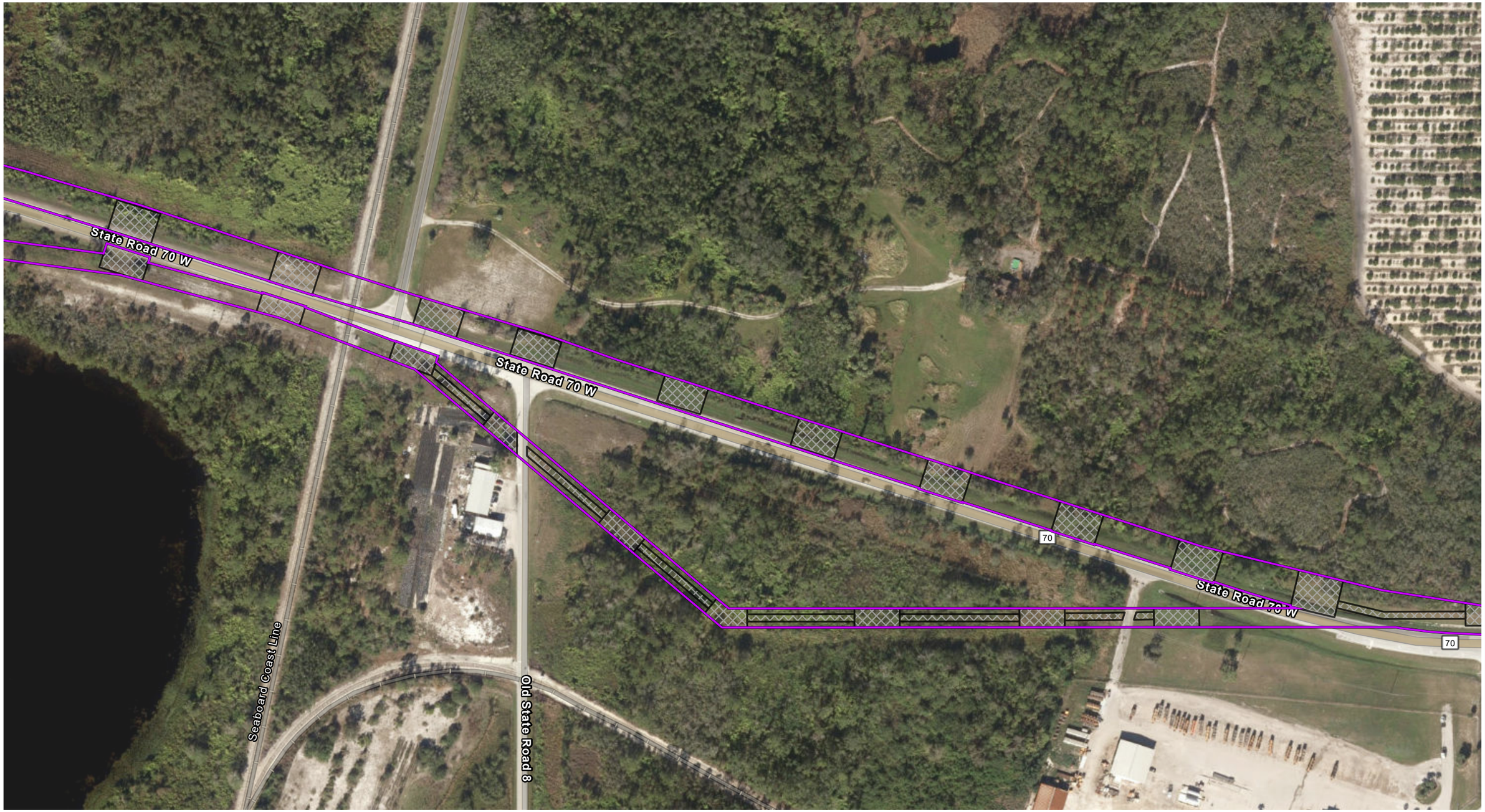
Sources: Esri World Imagery, 2020; ECT, 2024.

Figure 5- Page 5 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

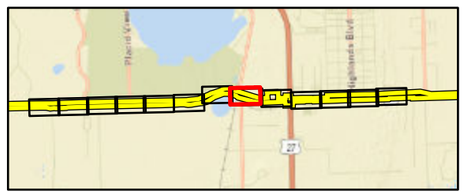
Highlands County. Florida

Date: 5/14/2024

ECT



- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

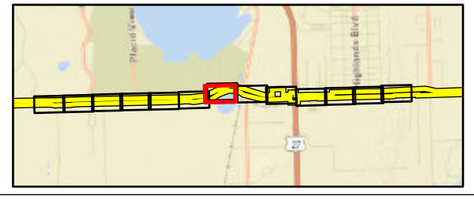
Figure 5- Page 6 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

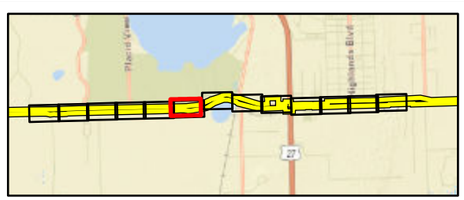
Figure 5- Page 7 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

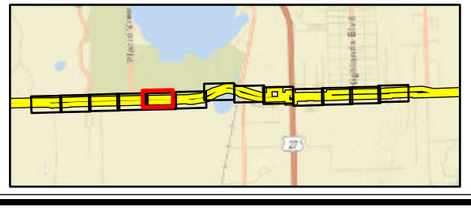
Figure 5- Page 8 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

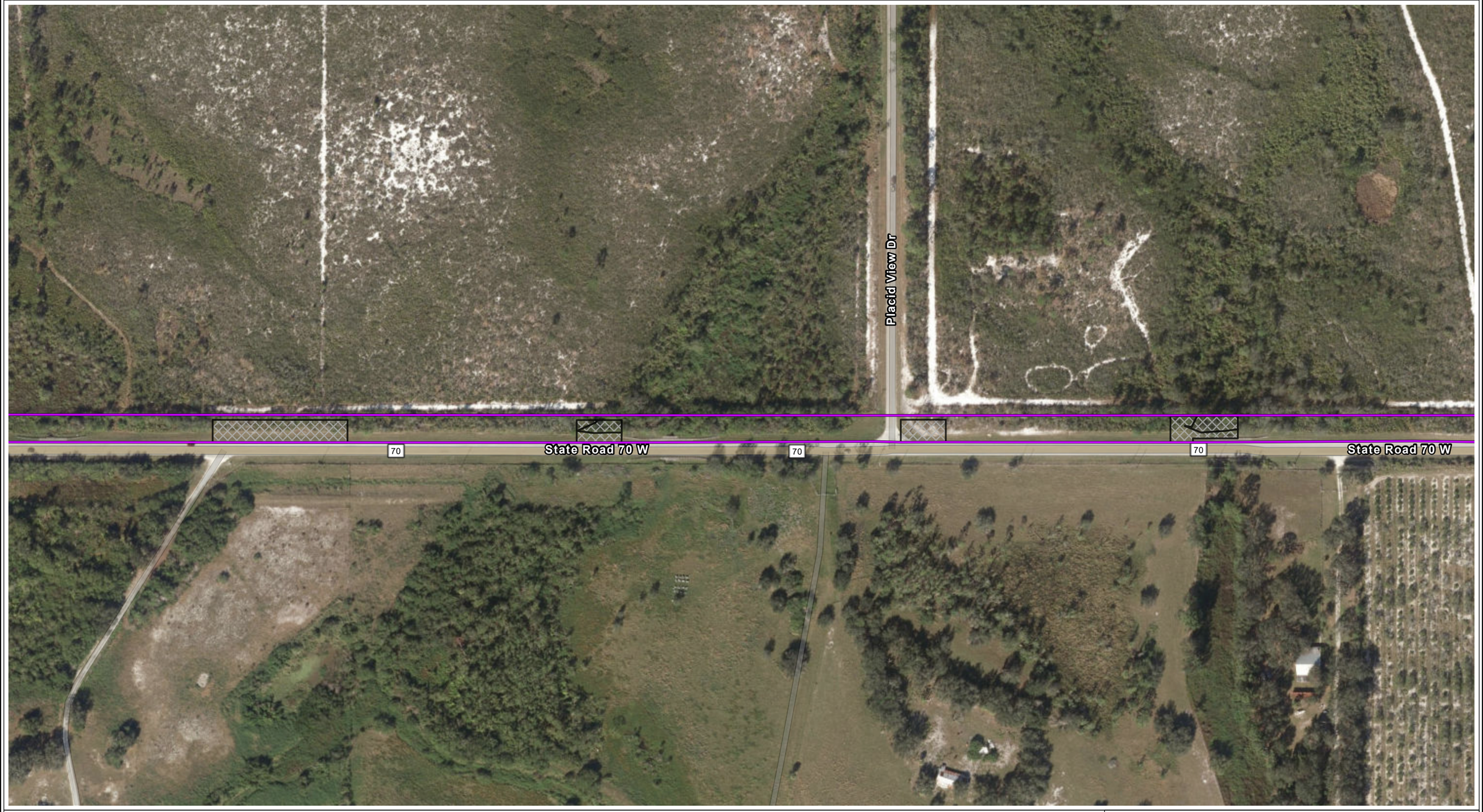
Sources: Esri World Imagery, 2020; ECT, 2024.

Figure 5- Page 9 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

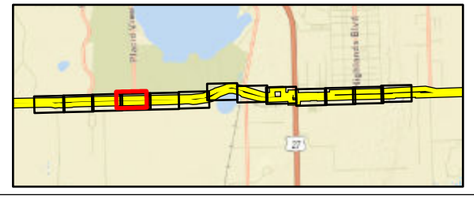
Highlands County. Florida

Date: 5/14/2024

ECT



- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

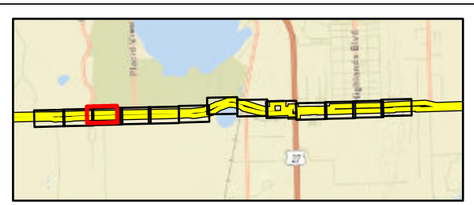
Figure 5- Page 10 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint
- Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

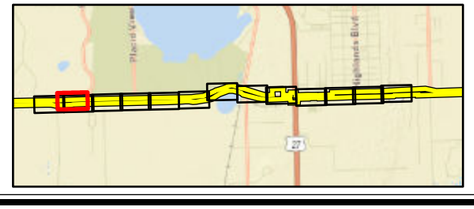
Figure 5- Page 11 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; ECT, 2024.

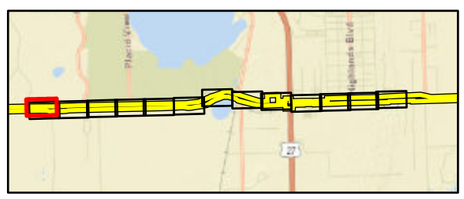
Figure 5- Page 12 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

ECT

- Substation
- Sand Skink Coverboard Location (Positive)
- Sand Skink Coverboard Location (Negative)
- Waterway-Dorr Field Project Footprint



N

0 200 400

Feet

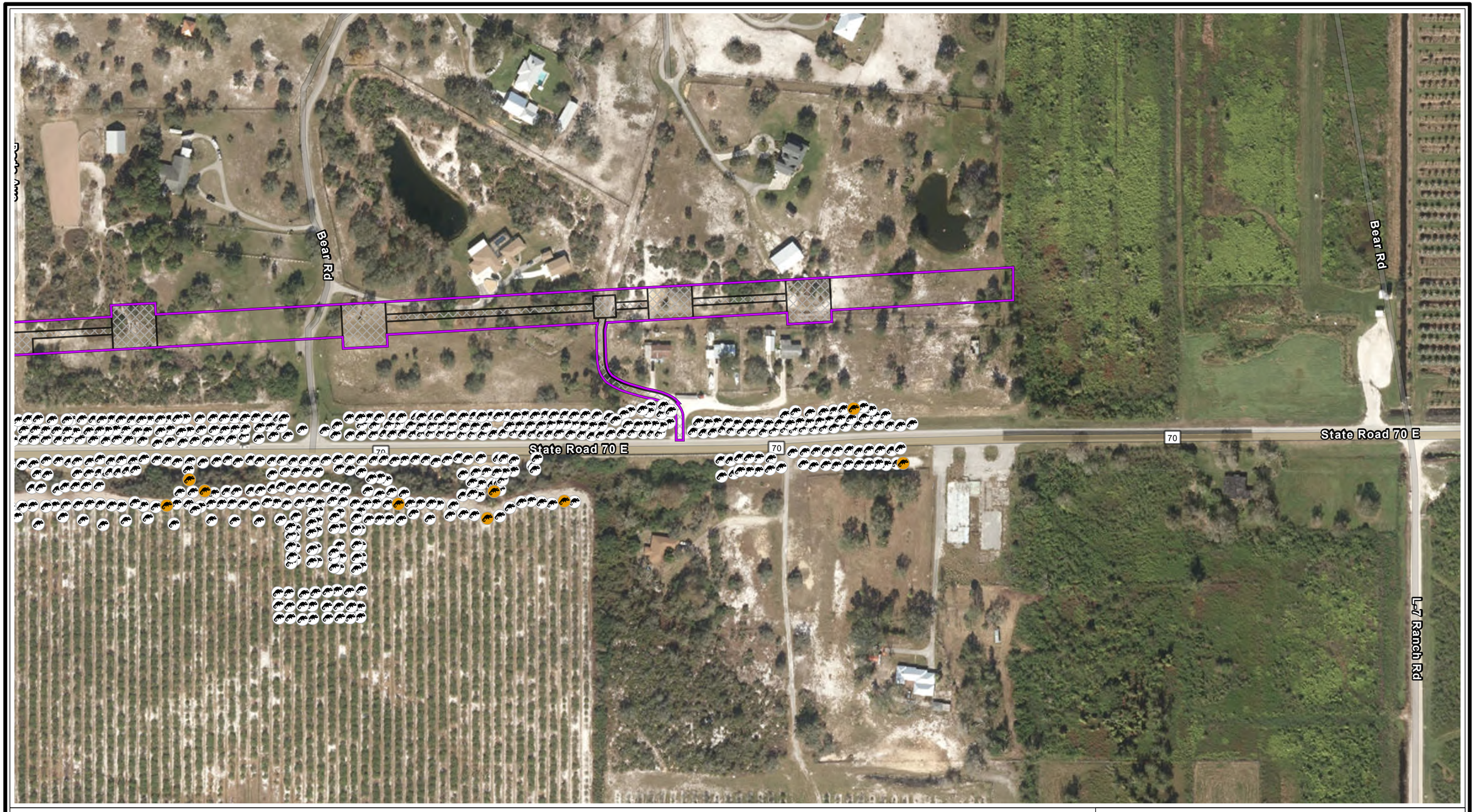
Sources: Esri World Imagery, 2020; ECT, 2024.

Figure 5- Page 13 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Areas

Highlands County. Florida

Date: 5/14/2024

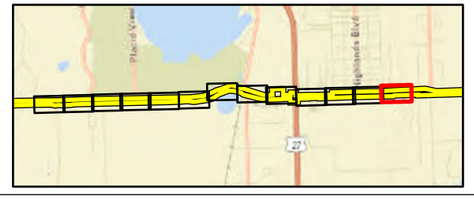
ECT



- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

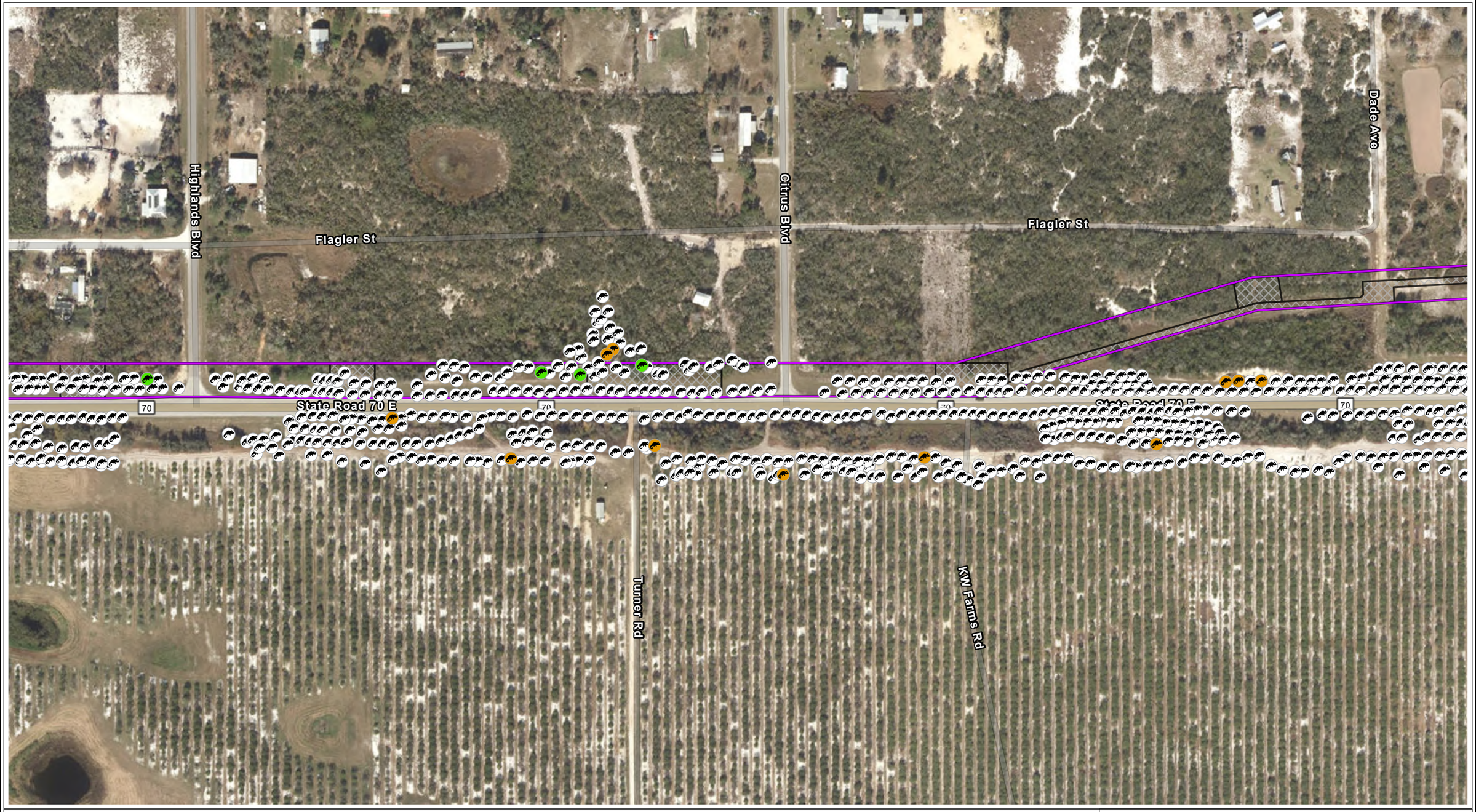
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 1 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 1/17/2024

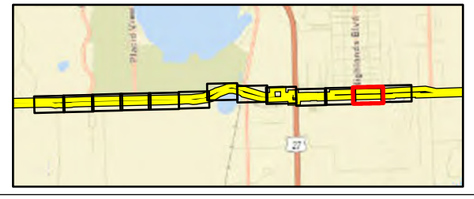
ECT



- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 2 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

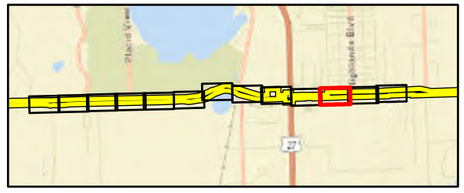
Date: 1/17/2024

ECT

- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

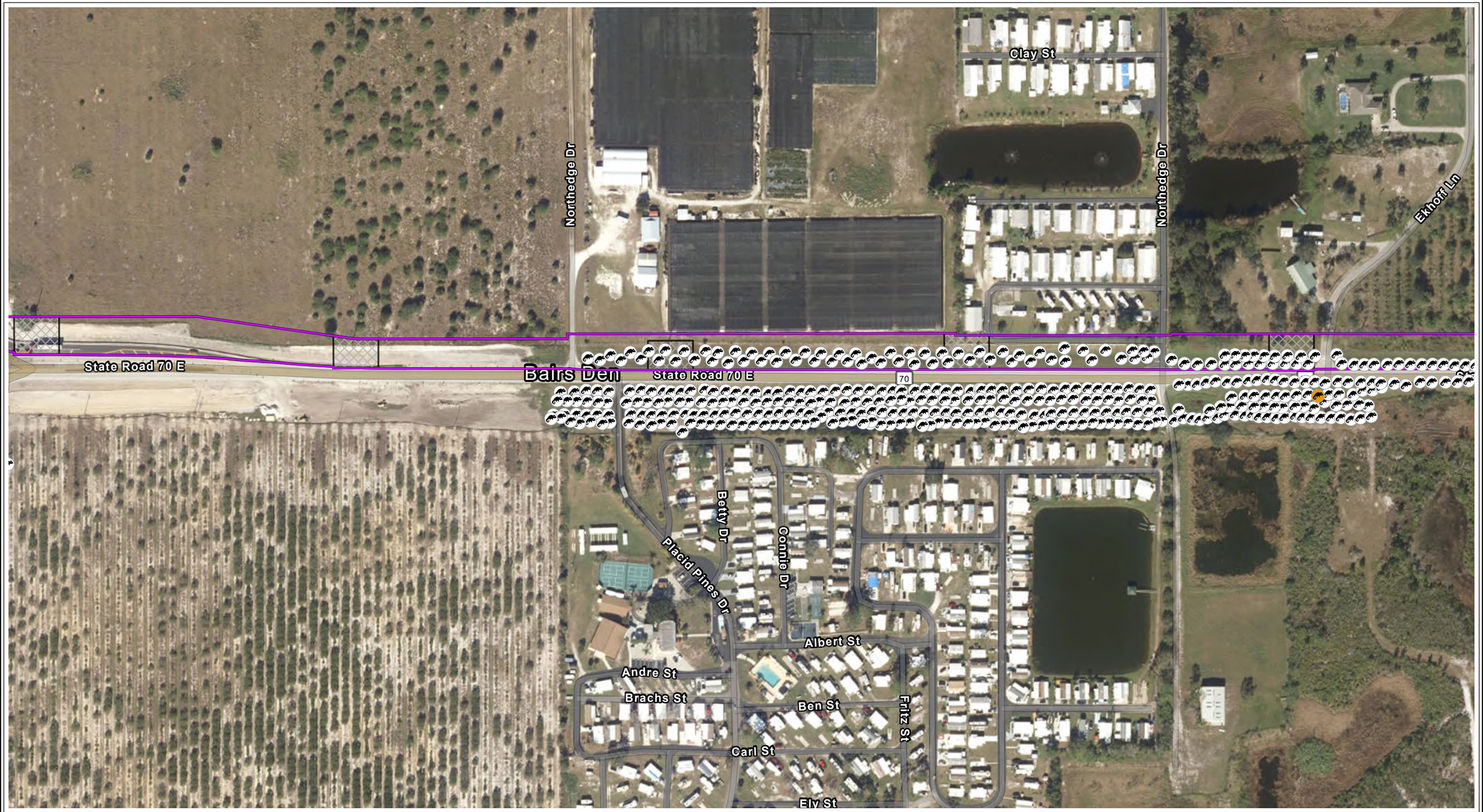
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 3 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 1/17/2024

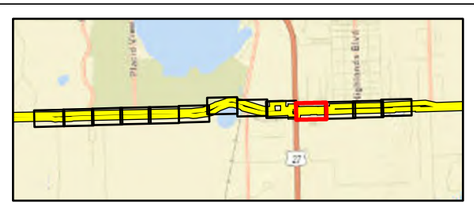
ECT



- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

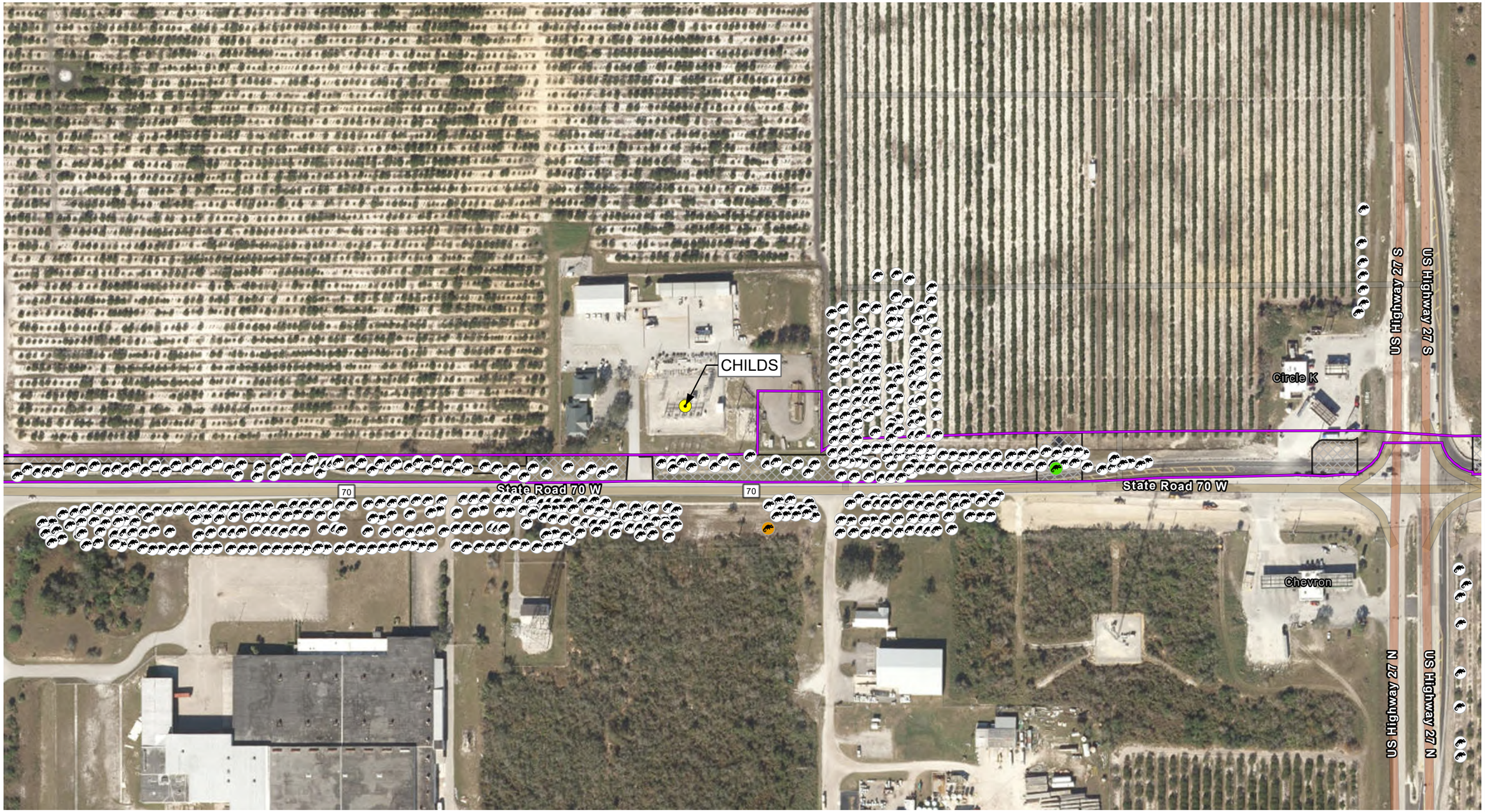
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 4 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 1/17/2024

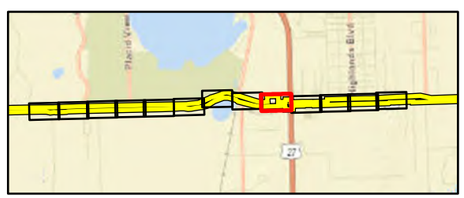
ECT



Substation
Waterway-Dorr Field Project Footprint
Temp Matting

FDOT Skink Coverboard Location

Negative (5,356 Total)
Positive Outside Footprint (139 Total)
Positive Inside Footprint (23 Total)



N

0 200 400
Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 5 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

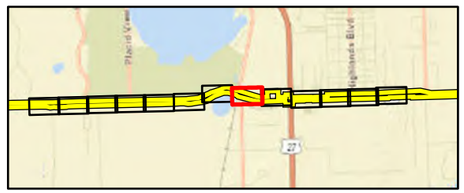
Highlands County. Florida
Date: 1/17/2024

ECT

- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 6 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

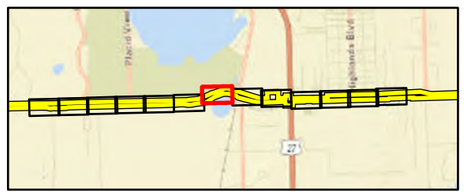
Date: 1/17/2024

ECT

- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 7 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

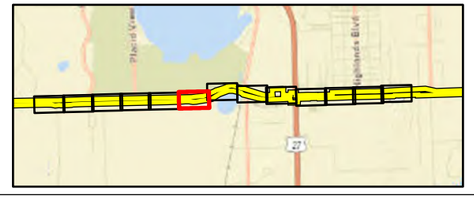
Date: 1/17/2024

ECT

- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 8 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

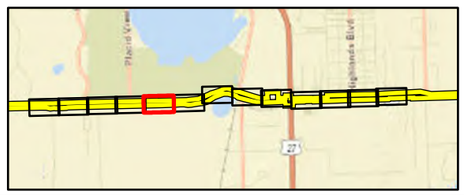
Date: 1/17/2024

ECT

Substation
Waterway-Dorr Field Project Footprint
Temp Matting

FDOT Skink Coverboard Location

Negative (5,356 Total)
Positive Outside Footprint (139 Total)
Positive Inside Footprint (23 Total)



N

0 200 400
Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 9 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

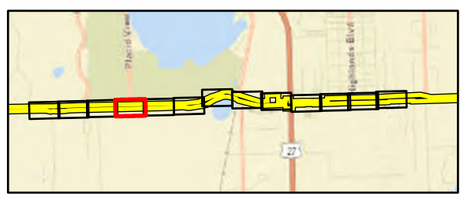
Highlands County. Florida
Date: 1/17/2024

ECT

- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

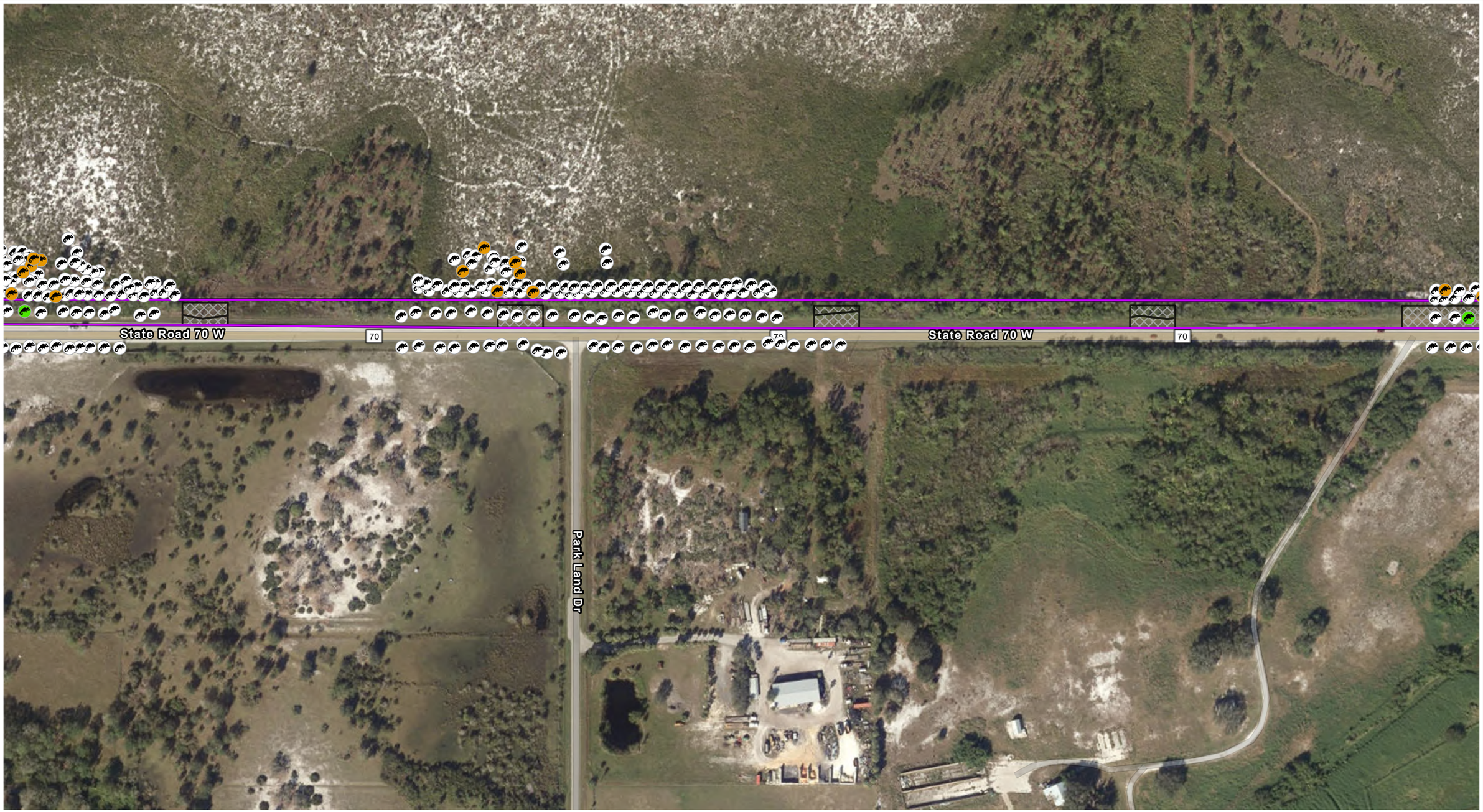
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 10 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 1/17/2024

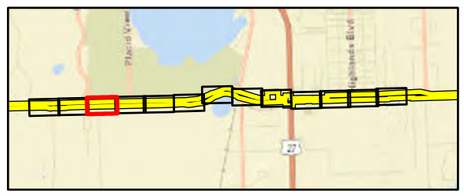
ECT



Substation
Waterway-Dorr Field Project Footprint
Temp Matting

FDOT Skink Coverboard Location

Negative (5,356 Total)
Positive Outside Footprint (139 Total)
Positive Inside Footprint (23 Total)



N

0 200 400
Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 11 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

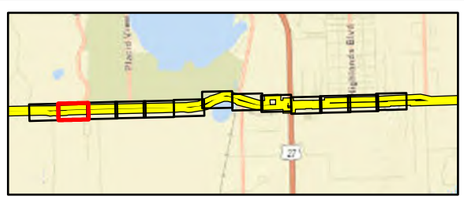
Highlands County. Florida
Date: 1/17/2024

ECT

- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 12 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

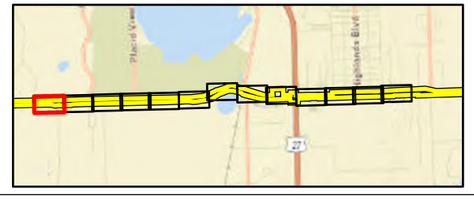
Date: 1/17/2024

ECT

- Substation
- Waterway-Dorr Field Project Footprint
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive Outside Footprint (139 Total)
- Positive Inside Footprint (23 Total)



N

0 200 400

Feet

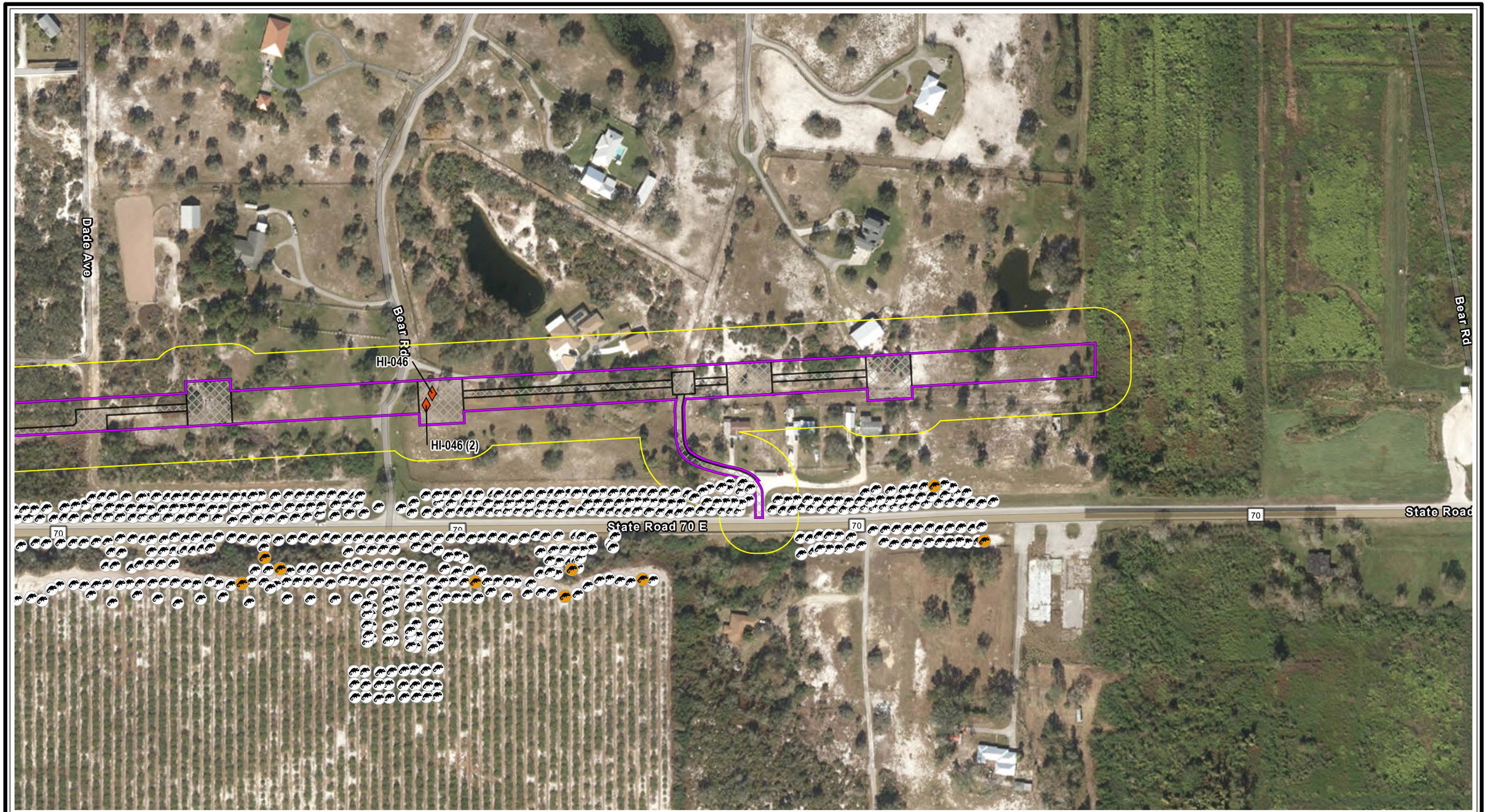
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 6 - Page 13 of 13
Segment 3: Waterway - Dorr Field
FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 1/17/2024

ECT



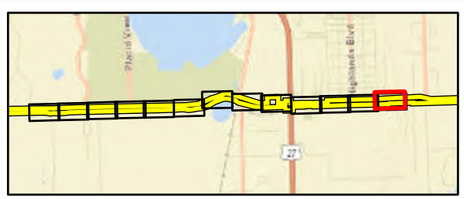
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

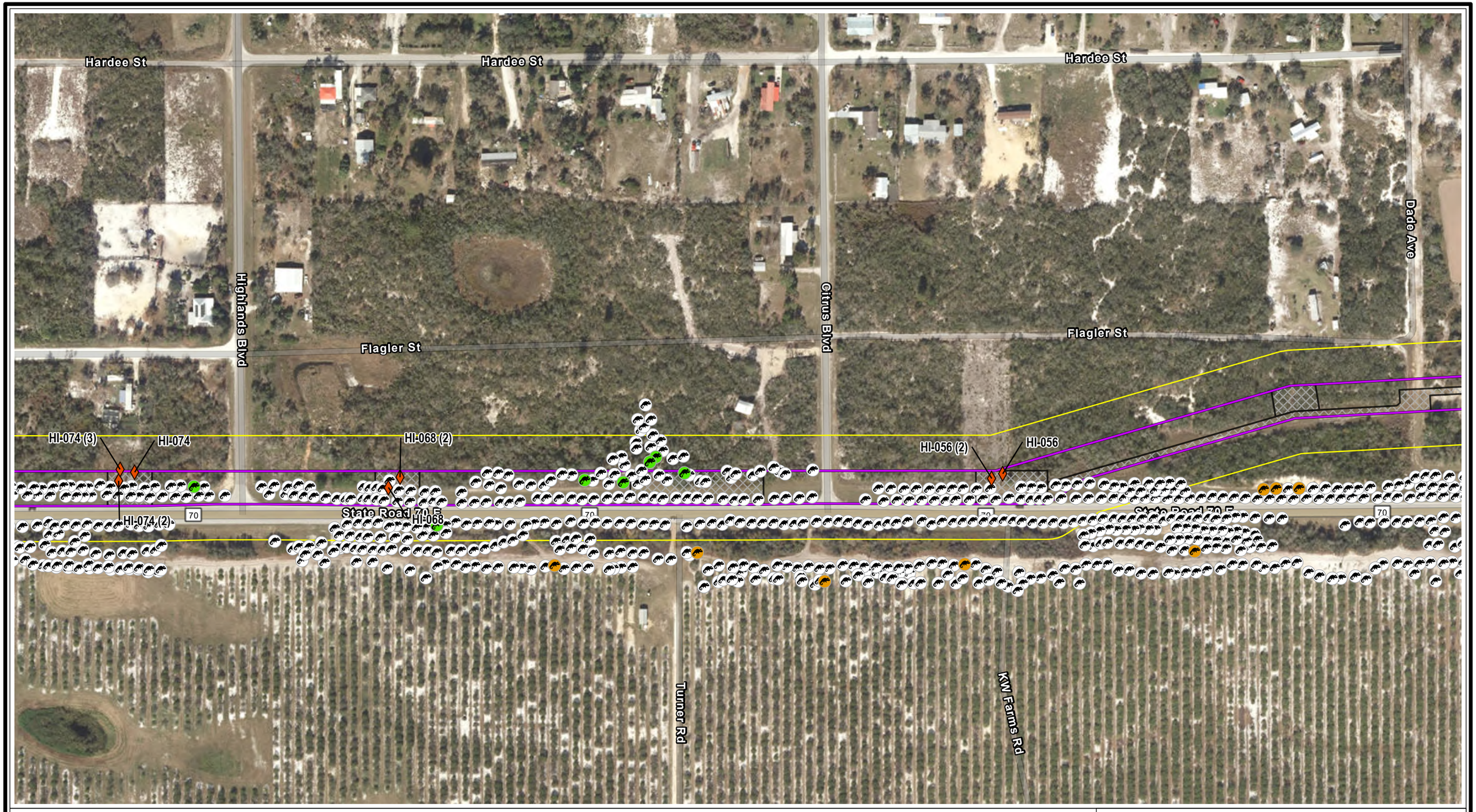
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 1 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT



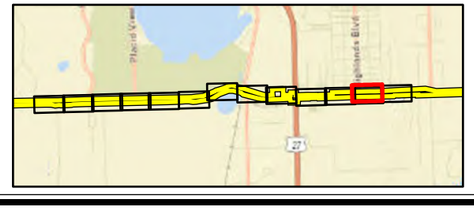
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

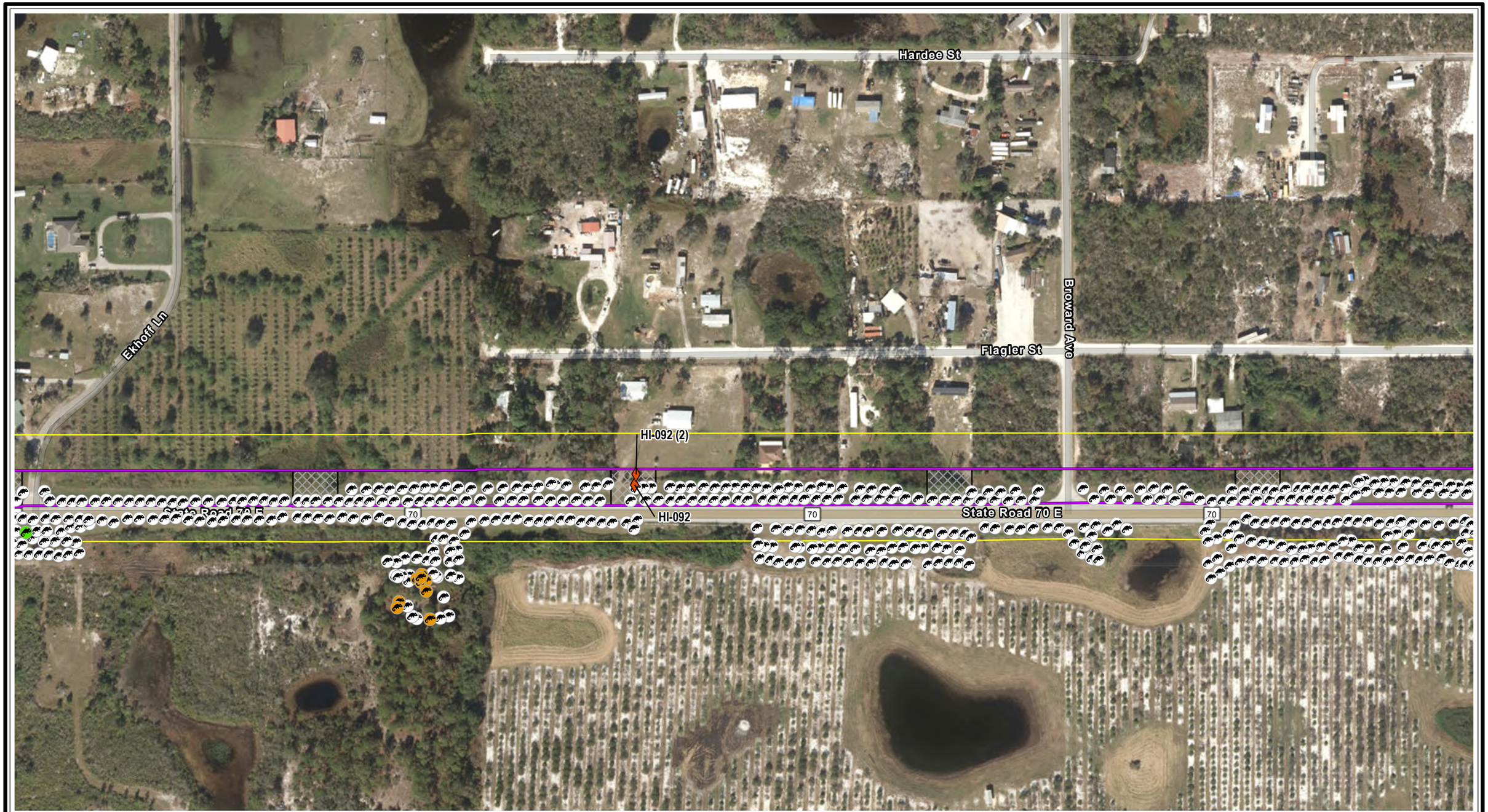
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 2 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT



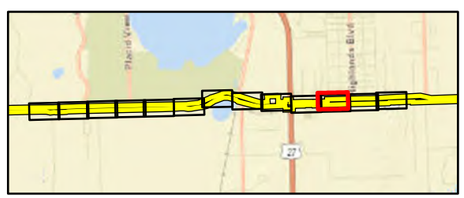
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

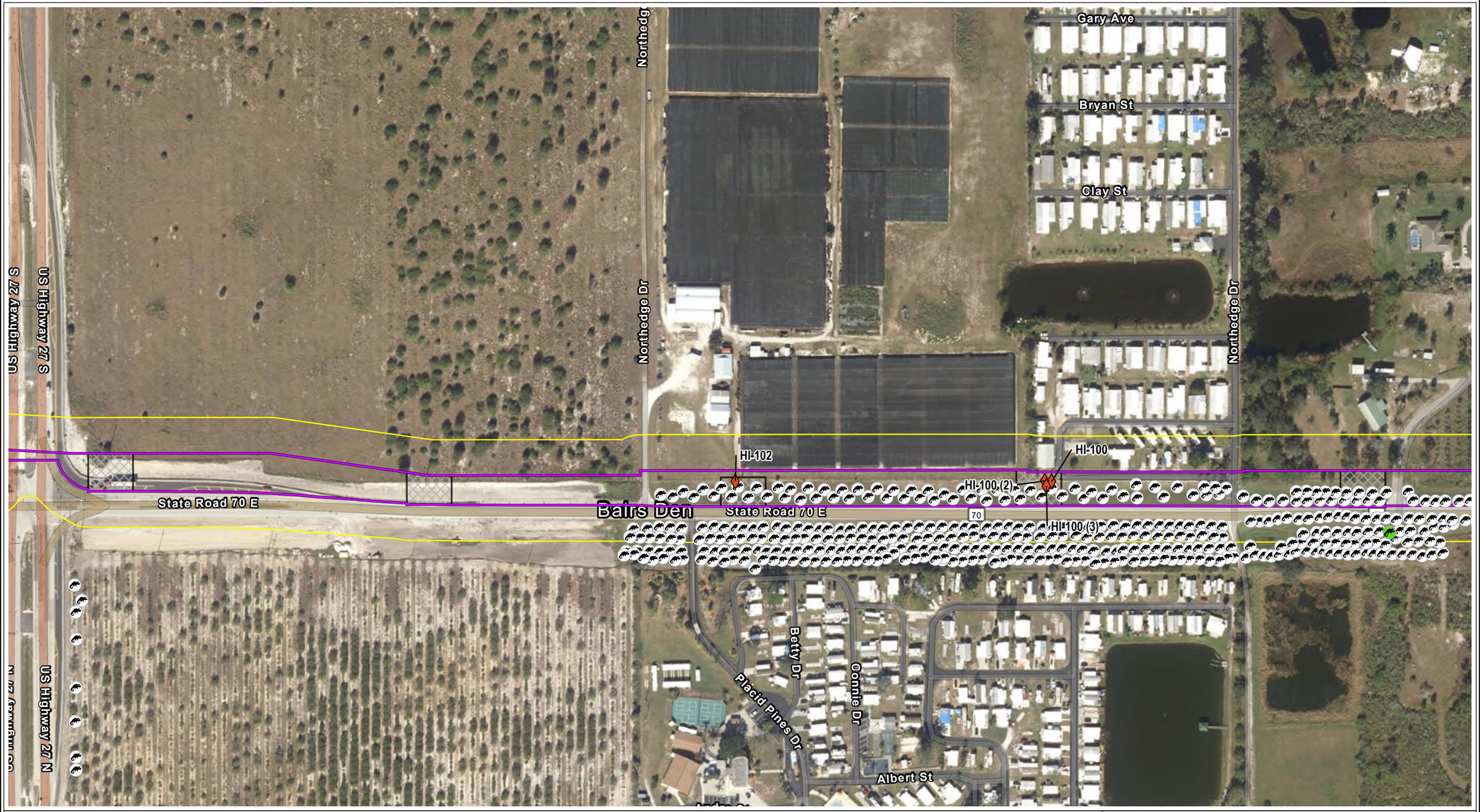
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 3 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT



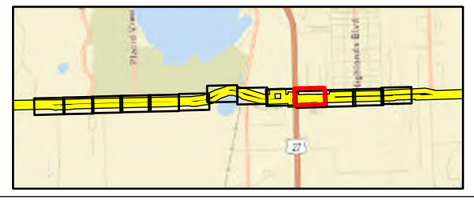
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

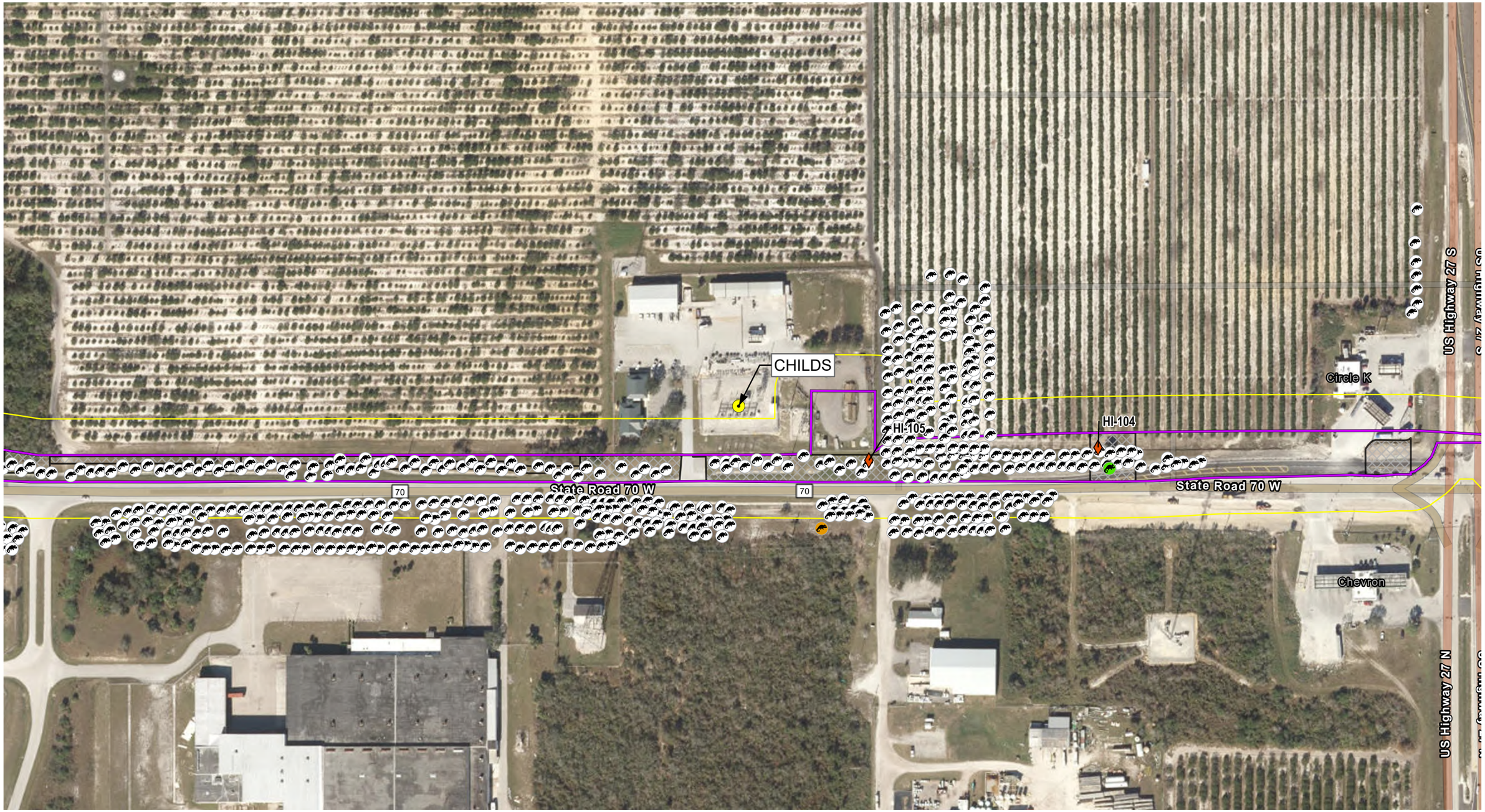
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 4 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT



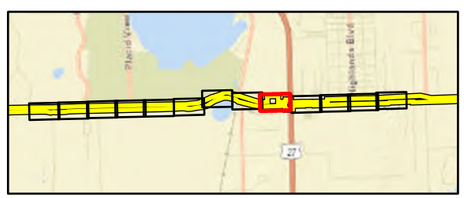
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

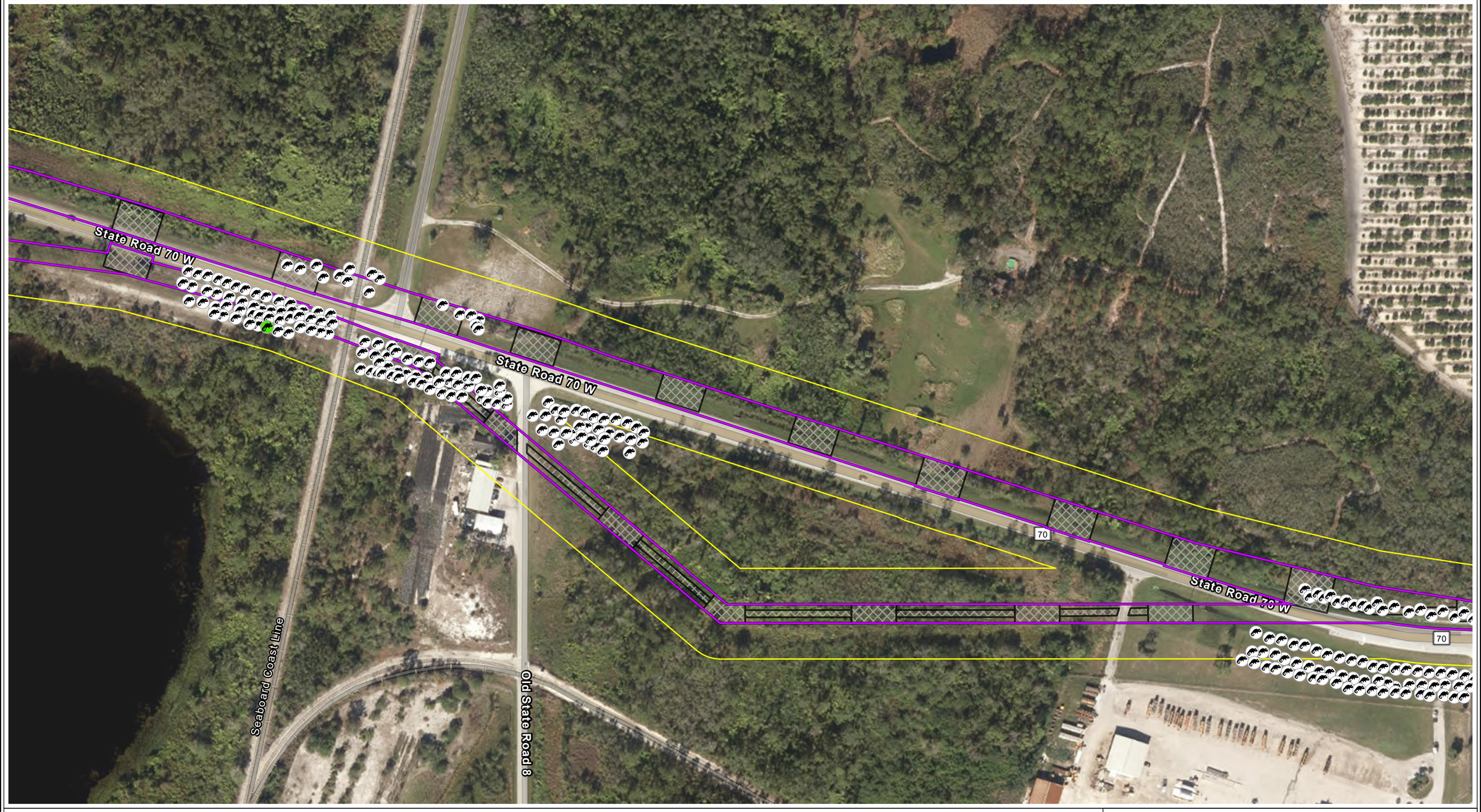
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 5 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT



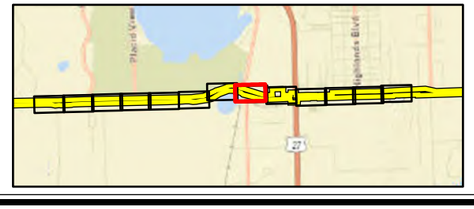
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

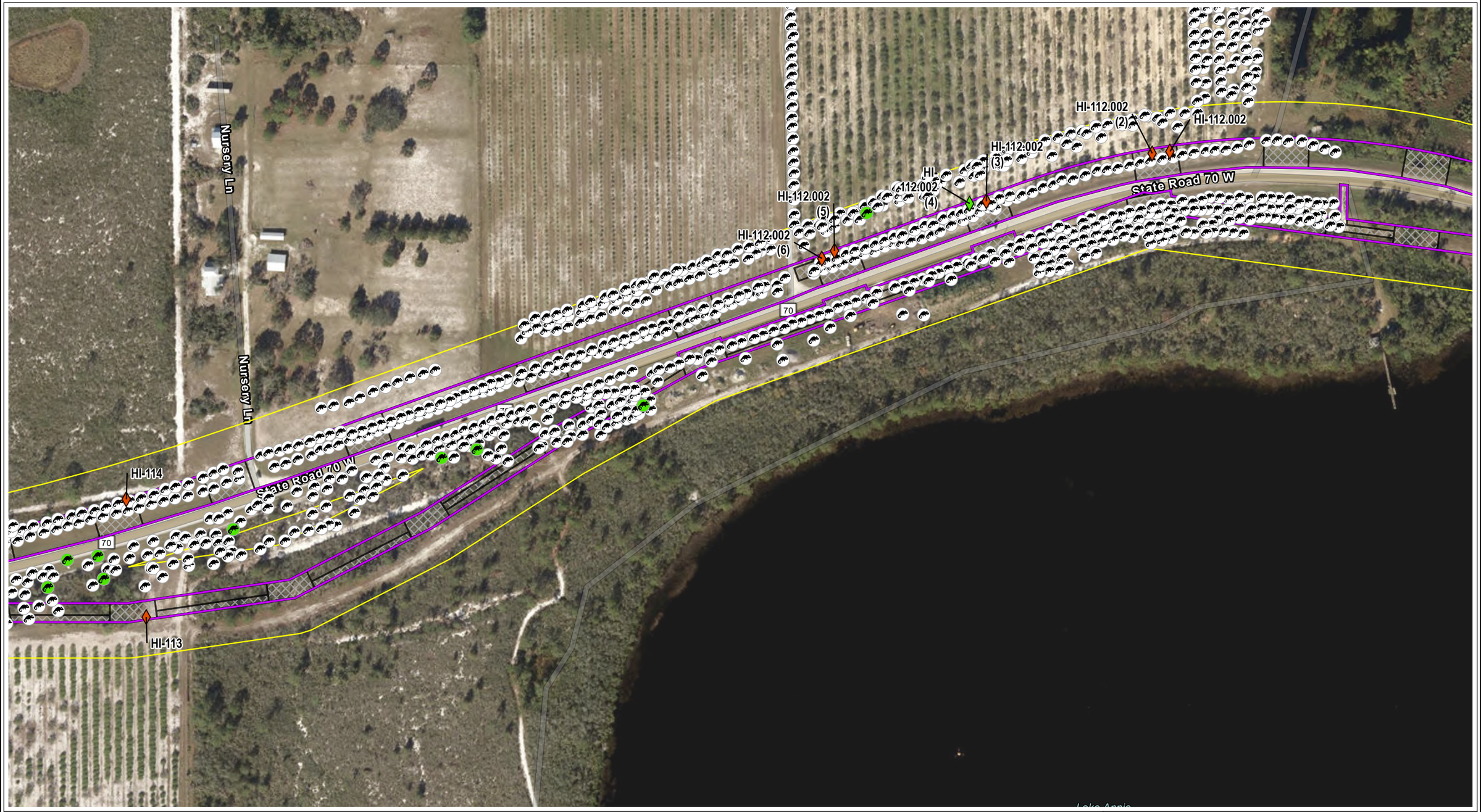
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 6 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT



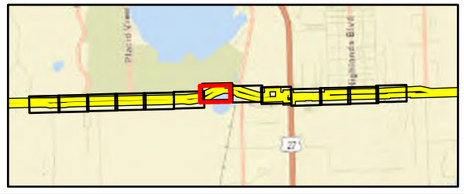
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

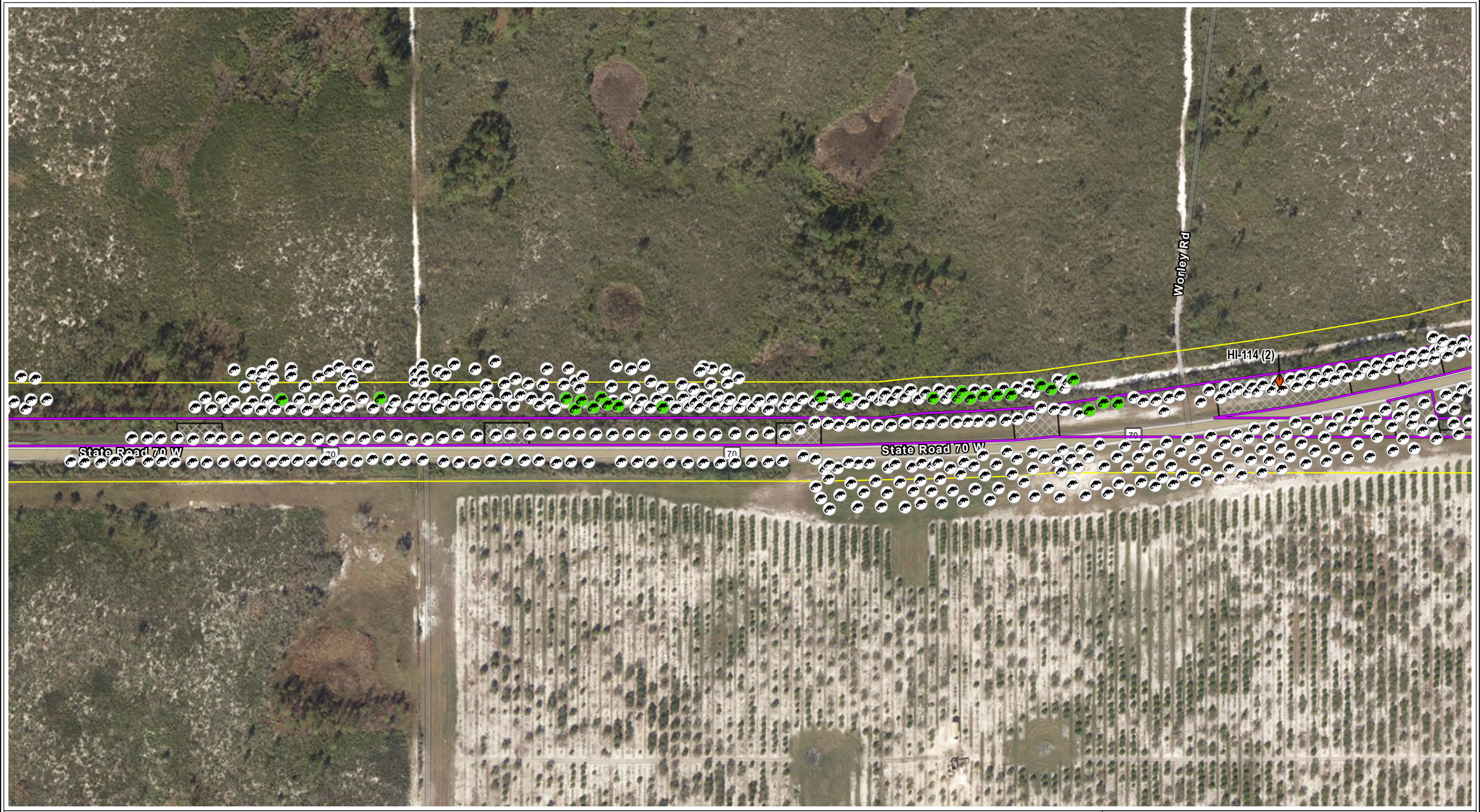
Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 7 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT



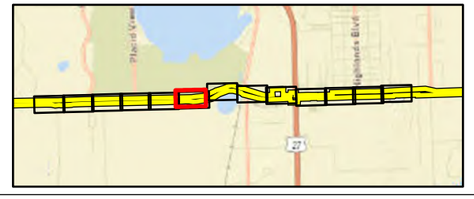
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 8 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

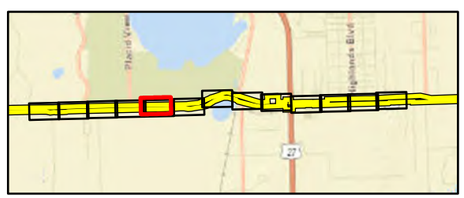
Date: 2/29/2024

ECT

Substation
Waterway-Dorr Field Project Footprint
FPL Sand Skink Survey Area Buffer (80')
Temp Matting

FDOT Skink Coverboard Location
Negative (5,356 Total)
Positive (139 Total)
Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location
Negative (25 Total)
Positive (1 Total)



N

0 200 400
Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 9 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

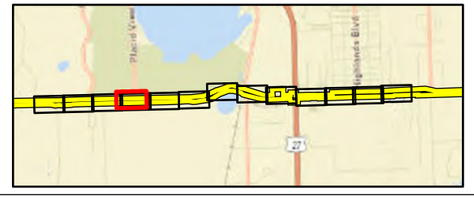
Highlands County. Florida
Date: 2/29/2024

ECT

Substation
Waterway-Dorr Field Project Footprint
FPL Sand Skink Survey Area Buffer (80')
Temp Matting

FDOT Skink Coverboard Location
Negative (5,356 Total)
Positive (139 Total)
Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location
Negative (25 Total)
Positive (1 Total)



N

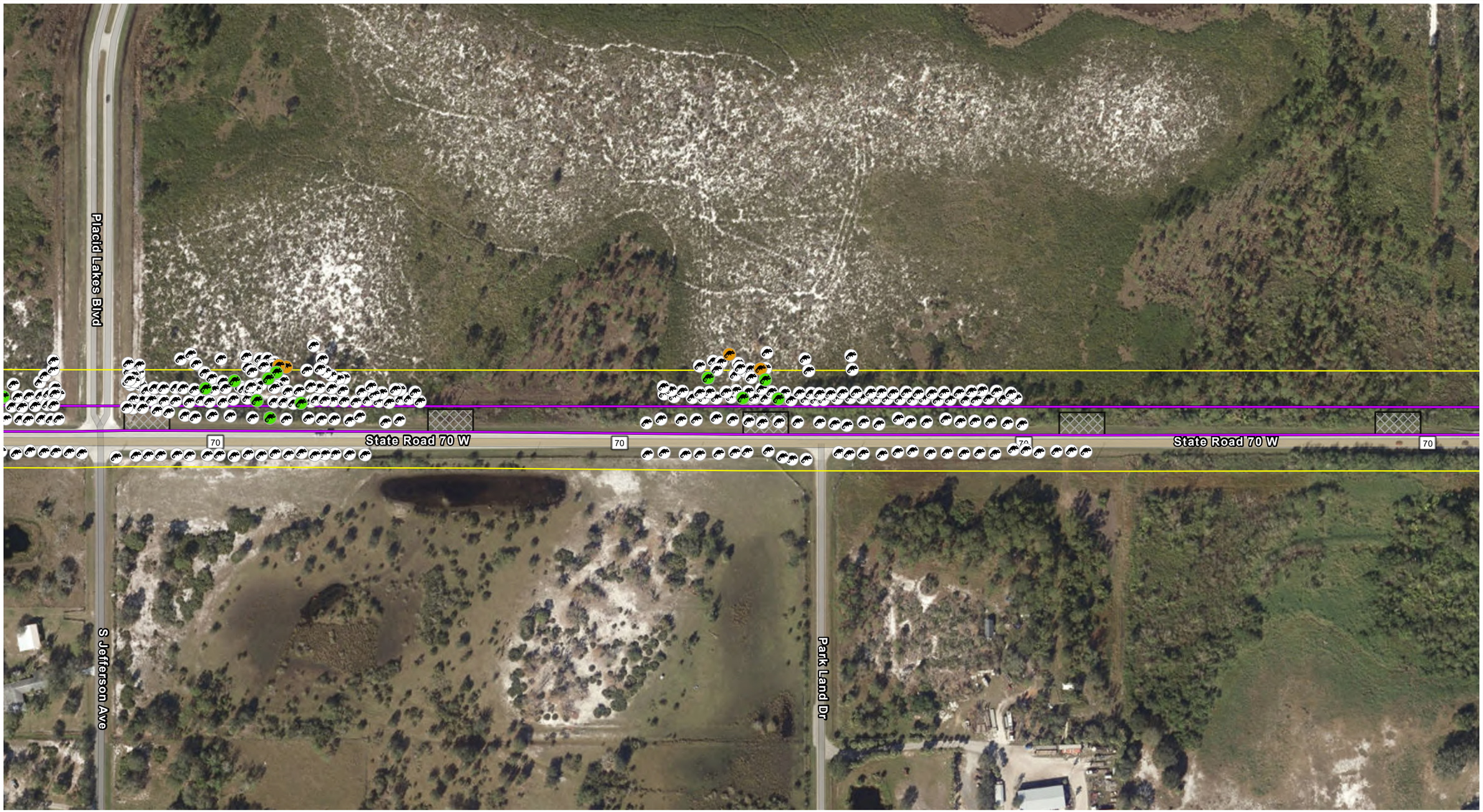
0 200 400
Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 10 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida
Date: 2/29/2024

ECT



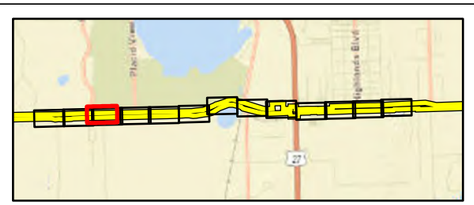
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 11 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT

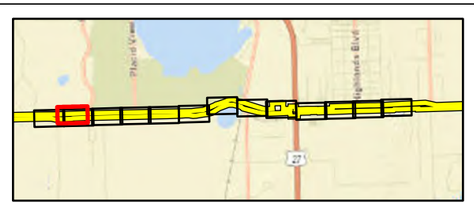
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 12 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT

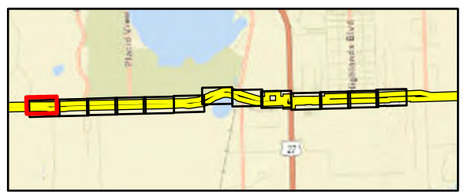
- Substation
- Waterway-Dorr Field Project Footprint
- FPL Sand Skink Survey Area Buffer (80')
- Temp Matting

FDOT Skink Coverboard Location

- Negative (5,356 Total)
- Positive (139 Total)
- Positive within FPL 80' Buffer (124 Total)

FPL Skink Coverboard Location

- Negative (25 Total)
- Positive (1 Total)



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDOT; ECT, 2024.

Figure 7- Page 13 of 13
Segment 3: Waterway - Dorr Field
FPL & FDOT Skink Coverboard Locations

Highlands County. Florida

Date: 2/29/2024

ECT

APPENDIX A

USFWS TECHNICAL ASSISTANCE REQUEST

January 4, 2023

Mr. Jose Rivera
USFWS
Vero Beach Ecological Services Office
1339 20th Street
Vero Beach, FL 32960-3559

SUBJECT: Request for Technical Assistance
Threatened, Endangered, and Proposed Threatened and Endangered Species
Sweatt – Whidden 230-kV Transmission Line
Okeechobee, Highlands and DeSoto Counties

Dear Mr. Rivera:

This certified transmission corridor traverses through three counties in central Florida: Okeechobee, Highlands and DeSoto. Approximately twenty miles of the corridor is located within the Lake Wales Ridge area and as such has potential to affect federally protected species habitat. FPL is requesting technical assistance from your office in order to prepare and analyze potential impacts from construction and operation within this corridor, as described in the attached response action matrix and definitions to 13 ESA listed faunal species and 22 ESA listed floral species. No designated critical habitats have been identified within this three-county area.

Specifically, we are seeking: (1) your Points of Contact, (2) a species and critical habitat list for the project corridor and (3) concurrence with our proposed survey strategy. In addition, we request to work collaboratively with your POCs to describe the anticipated impacts from our potential actions and develop conservation measures to avoid or minimize these impacts where possible. We anticipate this collaboration would occur as a series of short meetings/conference calls to review our species response matrix (see attached). Our preference is to proactively consult on our response actions prior to the initiation of construction, currently anticipated to begin 4th Quarter 2023. Our goal of this effort is to facilitate species assessment and proposed effect determination through informal consultation with the service.

We look forward to working with your team. This collaboration will facilitate our ability to carry out the appropriate surveys while avoiding or minimizing impacts to ESA listed species and habitats.

Should you have any questions or comments, please feel free to contact David Niebch at (772) 812-5490 or David.Niebch@fpl.com.

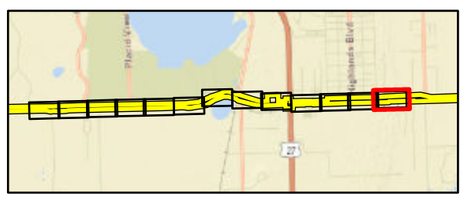
Sincerely,

David Niebch
Senior Environmental Services Project Manager
Florida Power & Light Company
15430 Endeavor Drive, MS #D01-JW
Jupiter, FL 33478
David.Niebch@fpl.com

APPENDIX B

HISTORIC AERIAL PHOTOGRAPHS

Substation
Waterway-Dorr Field Project Footprint
Temp Matting



N

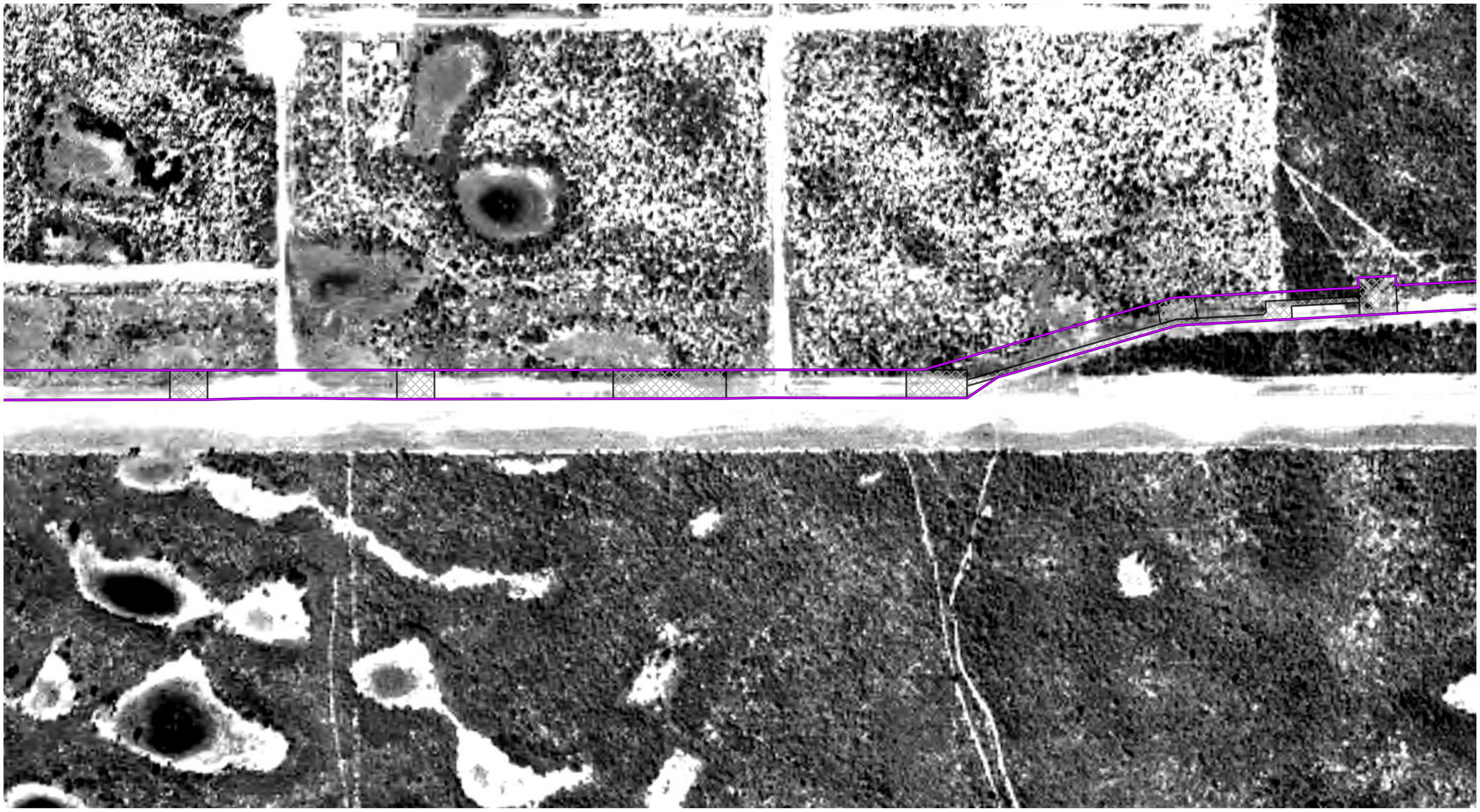
0 200 400
Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

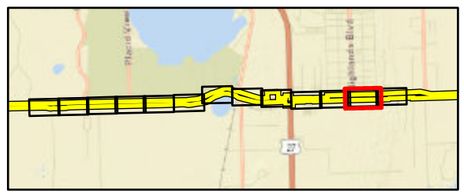
Appendix B - Page 1 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

Highlands County, Florida
Date: 5/14/2024

ECT



Substation
Waterway-Dorr Field Project Footprint
Temp Matting



N

0 200 400
Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

Appendix B - Page 2 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

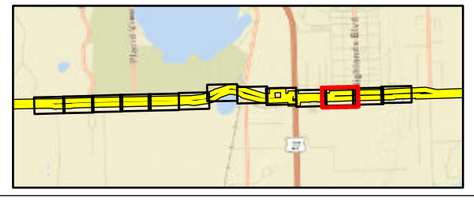
Highlands County, Florida
Date: 5/14/2024

ECT

Substation

Waterway-Dorr Field Project Footprint

Temp Matting



N

0 200 400

Feet

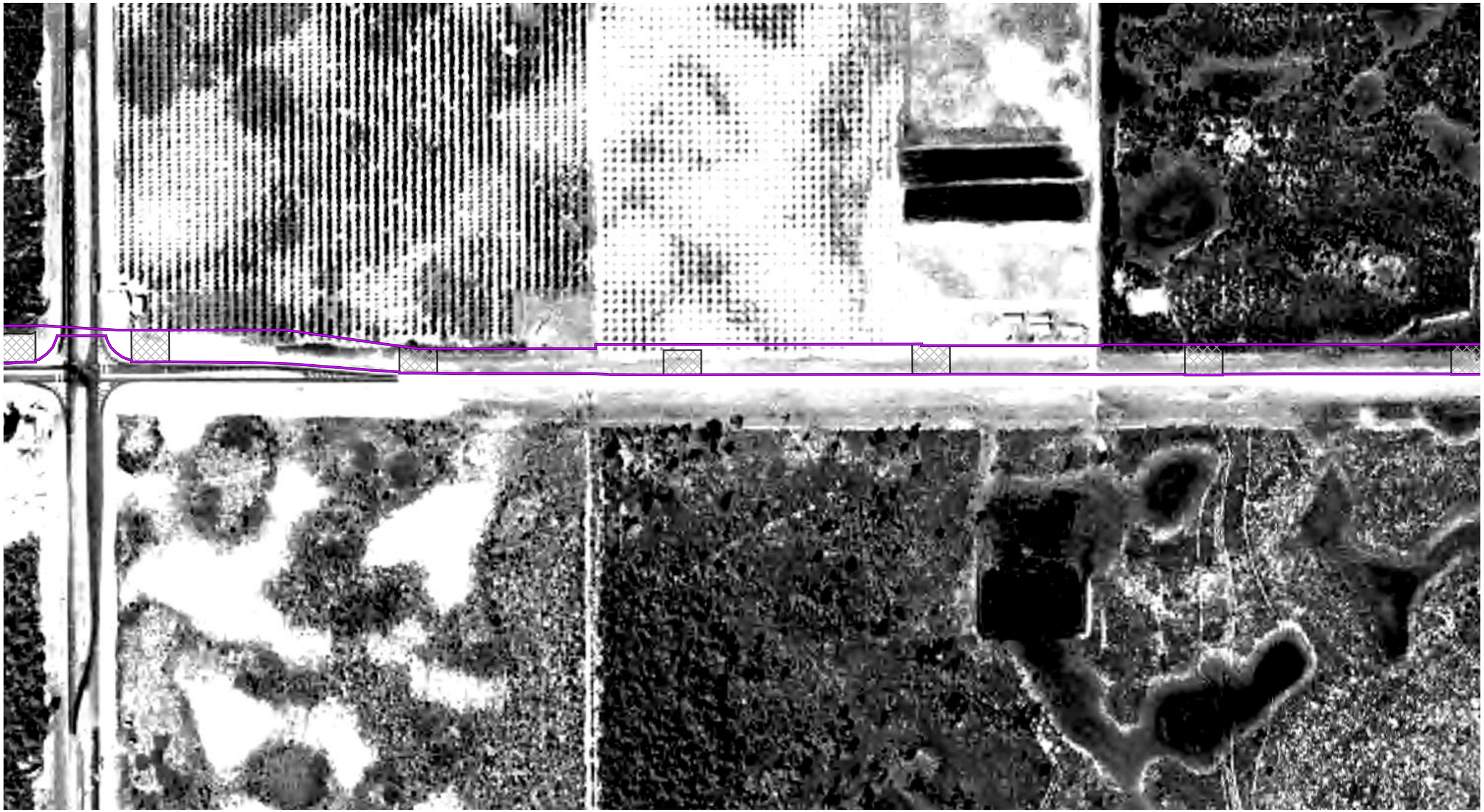
Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

Appendix B - Page 3 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

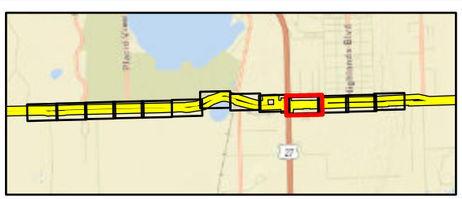
Highlands County, Florida

Date: 5/14/2024

ECT



Substation
Waterway-Dorr Field Project Footprint
Temp Matting



N

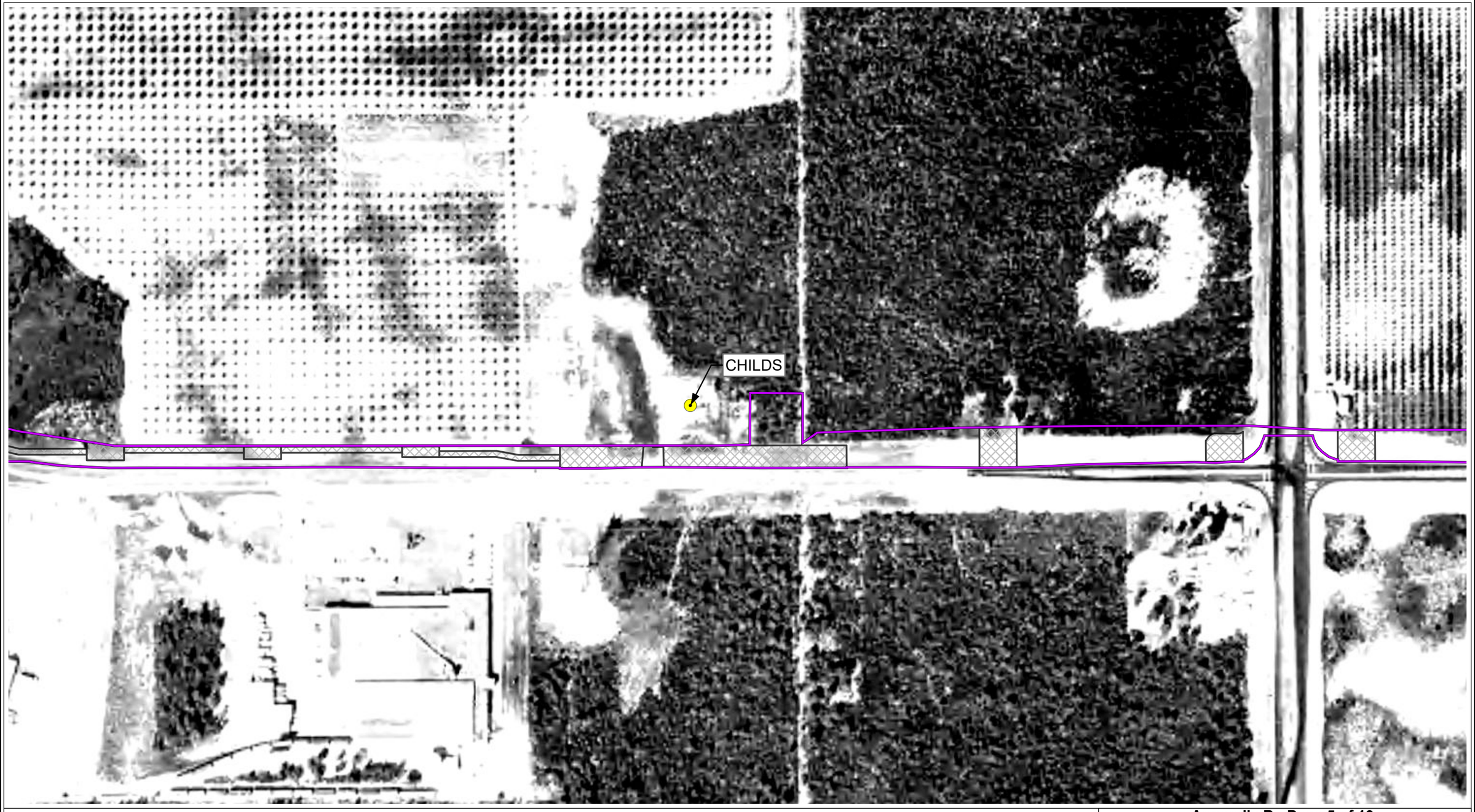
0 200 400
Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

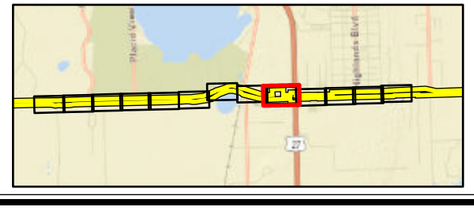
Appendix B - Page 4 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

Highlands County, Florida
Date: 5/14/2024

ECT



Substation
Waterway-Dorr Field Project Footprint
Temp Matting



N

0 200 400
Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

Appendix B - Page 5 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

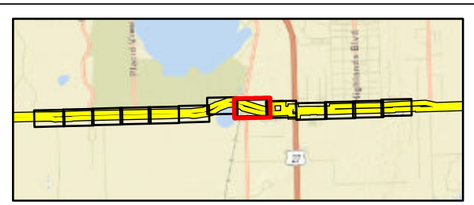
Highlands County. Florida
Date: 5/14/2024

ECT

Substation

Waterway-Dorr Field Project Footprint

Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

Appendix B - Page 6 of 13

Segment 3: Waterway - Dorr Field

Skink Survey Historical Imagery

Year: 1975

Highlands County. Florida

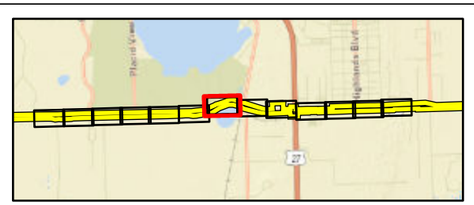
Date: 5/14/2024

ECT

Substation

Waterway-Dorr Field Project Footprint

Temp Matting



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

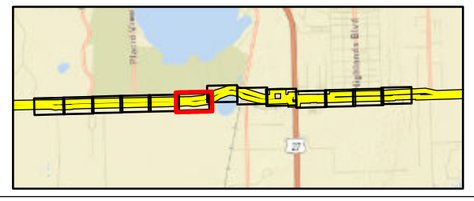
Appendix B - Page 7 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

Highlands County, Florida

Date: 5/14/2024

ECT

Substation
Waterway-Dorr Field Project Footprint
Temp Matting



N

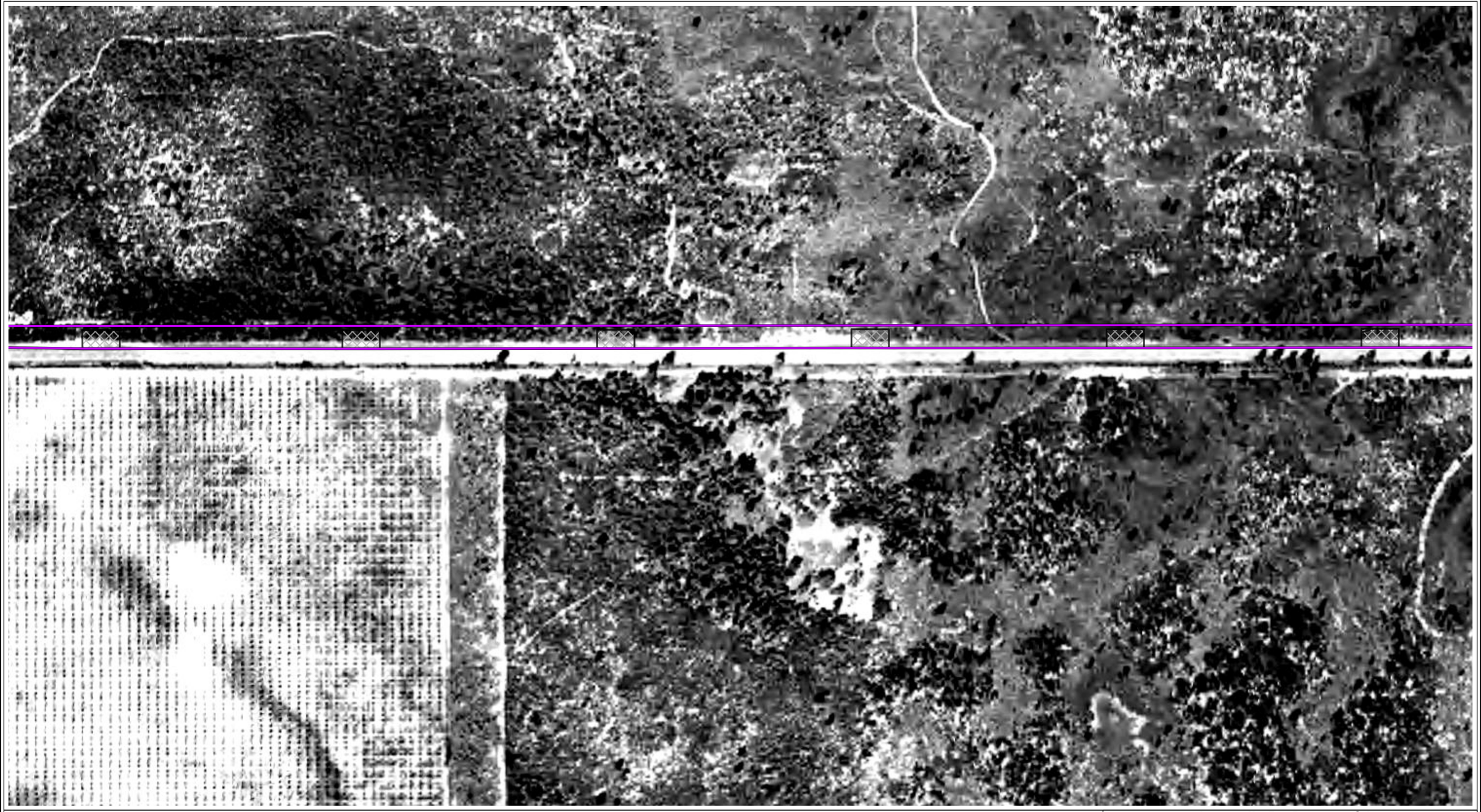
0 200 400
Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

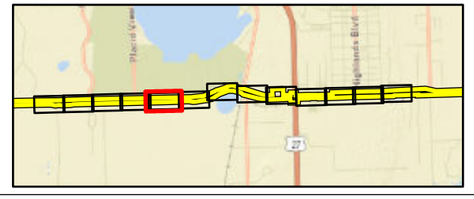
Appendix B - Page 8 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

Highlands County, Florida
Date: 5/14/2024

ECT



Substation
Waterway-Dorr Field Project Footprint
Temp Matting



N

0 200 400
Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

Appendix B - Page 9 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

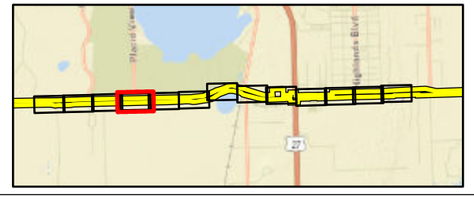
Highlands County. Florida
Date: 5/14/2024

ECT

Substation

Waterway-Dorr Field Project Footprint

Temp Matting



N

0 200 400

Feet

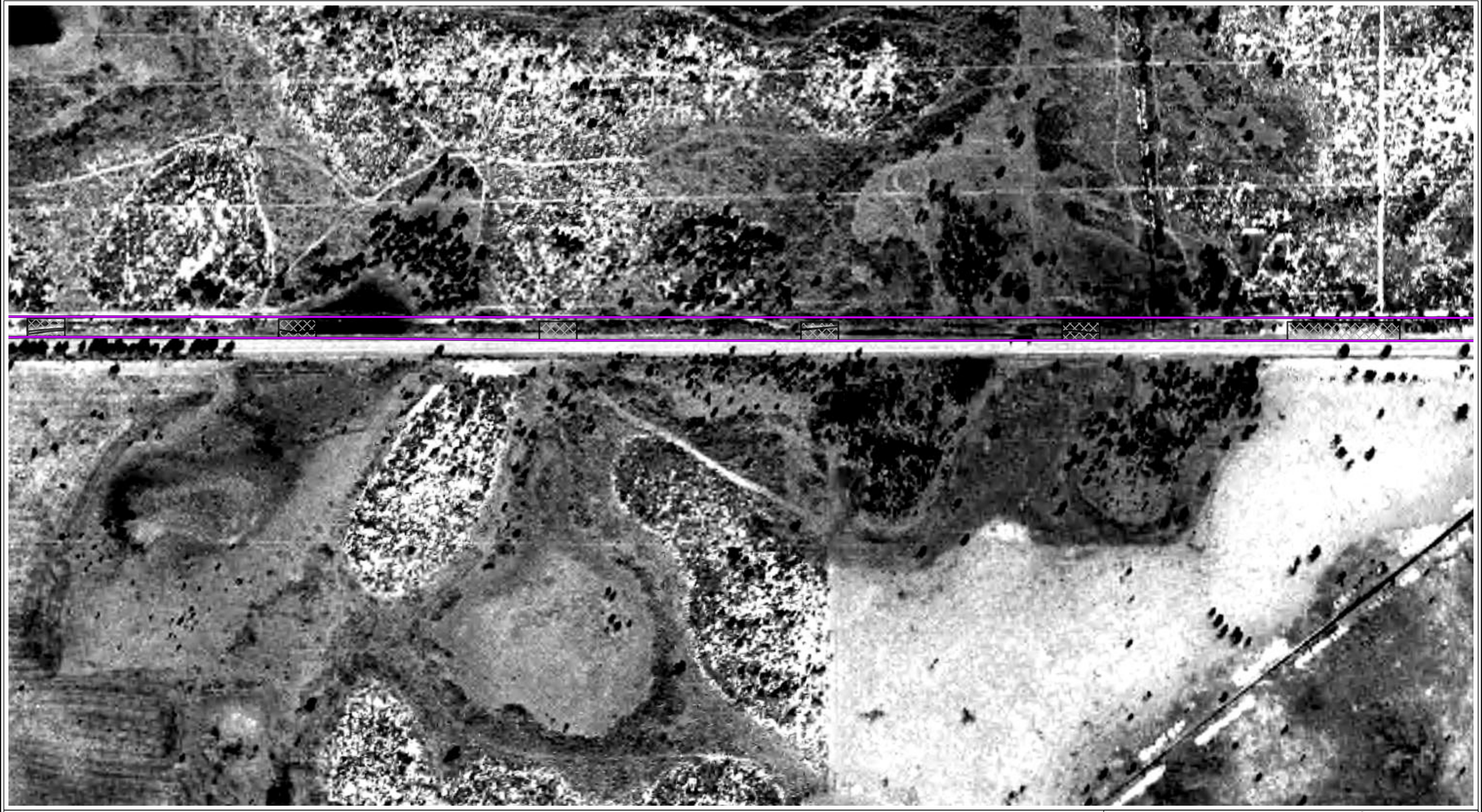
Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

Appendix B - Page 10 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

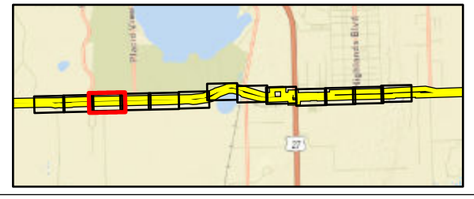
Highlands County, Florida

Date: 5/14/2024

ECT



Substation
Waterway-Dorr Field Project Footprint
Temp Matting



N

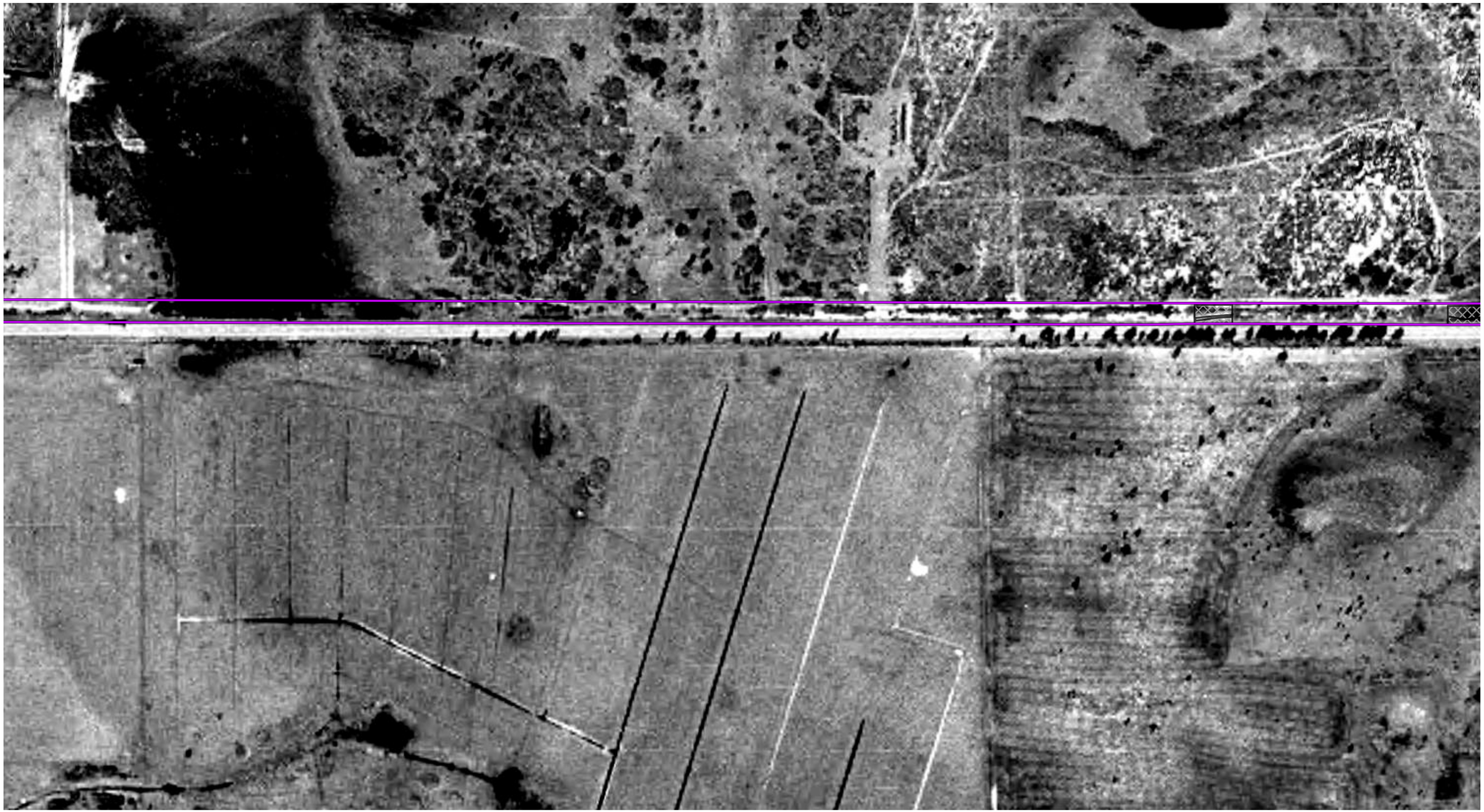
0 200 400
Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

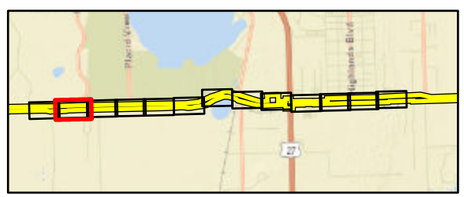
Appendix B - Page 11 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

Highlands County. Florida
Date: 5/14/2024

ECT



Substation
Waterway-Dorr Field Project Footprint
Temp Matting



N

0 200 400
Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

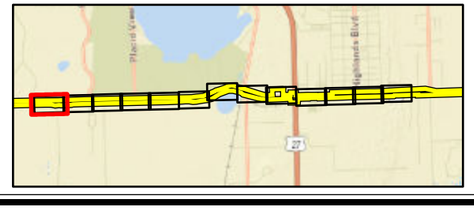
Appendix B - Page 12 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

Highlands County. Florida
Date: 5/14/2024

ECT

Substation

Waterway-Dorr Field Project Footprint



N

0 200 400

Feet

Sources: Esri World Imagery, 2020; FDEP 1975; ECT, 2024.

Appendix B - Page 13 of 13
Segment 3: Waterway - Dorr Field
Skink Survey Historical Imagery
Year: 1975

Highlands County. Florida

Date: 5/14/2024

ECT

APPENDIX C

PHOTOGRAPHS

Photograph No. 1 Looking west along SR 70 ROW, FDOT Survey Area with double row of coverboards in view.

Photograph No. 2 Tracks observed during pedestrian visual inspection, in FDOT ROW along north side of SR 70.

Photograph No. 3 **Typical coverboard configuration, placed along edge of citrus grove, north of SR 70, looking north.**

Photograph No. 4 **Skink Tracks observed during 4/24/2023 monitoring event, at FPL coverboard location HI-112.002-4.**

APPENDIX D

USFWS FLORIDA SAND SKINK SURVEY GUIDELINES

Updated USFWS guidance on Florida Sand Skinks:

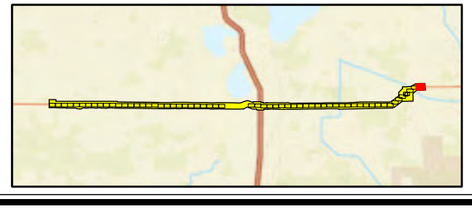
https://www.fws.gov/sites/default/files/documents/Sand%20Skink%26Blue-Tailed%20Skink%20Guidelines.pdf

Gopher Tortoise Survey Maps

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

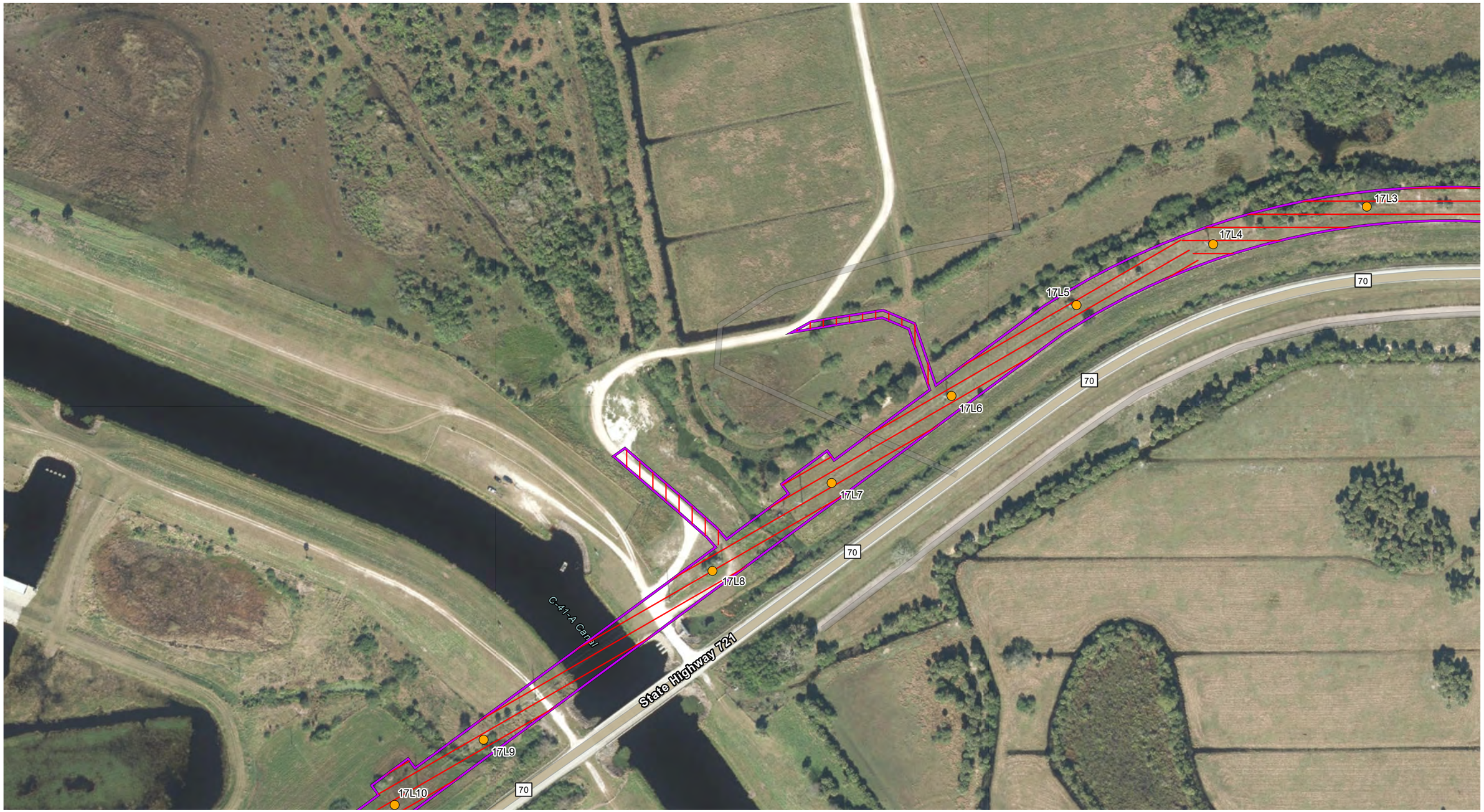
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 1 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

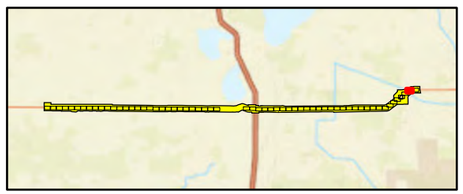
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 2 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

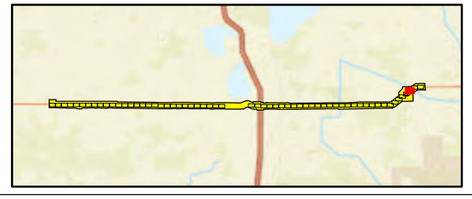
ECT

17L10
17L11
17L12
17L13
17L14
17L15
17L16
18L1
State Highway 721
State Highway 721
BRIGHTON

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 3 of 61

Highlands and DeSoto Counties, Florida

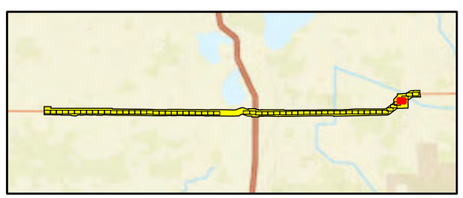
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 4 of 61

Highlands and DeSoto Counties, Florida

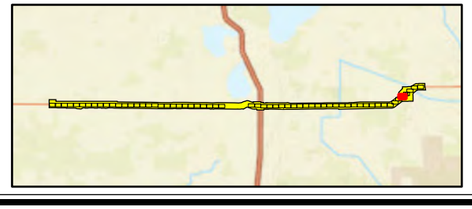
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 5 of 61

Highlands and DeSoto Counties, Florida

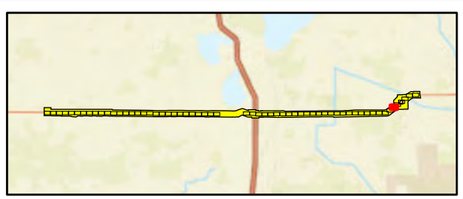
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 6 of 61

Highlands and DeSoto Counties, Florida

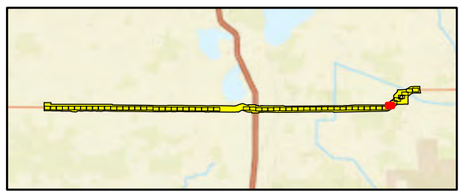
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 7 of 61

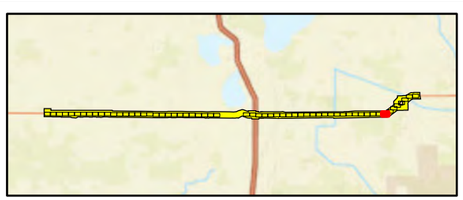
Highlands and DeSoto Counties, Florida

Date: 11/12/2024

ECT

Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint
Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 8 of 61

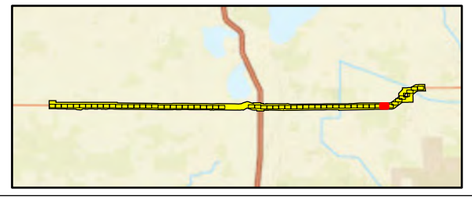
Highlands and DeSoto Counties, Florida
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 9 of 61

Highlands and DeSoto Counties, Florida

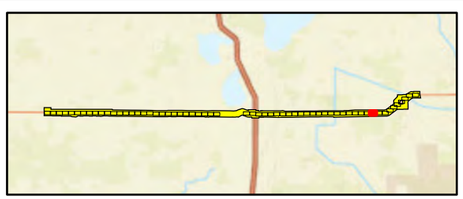
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

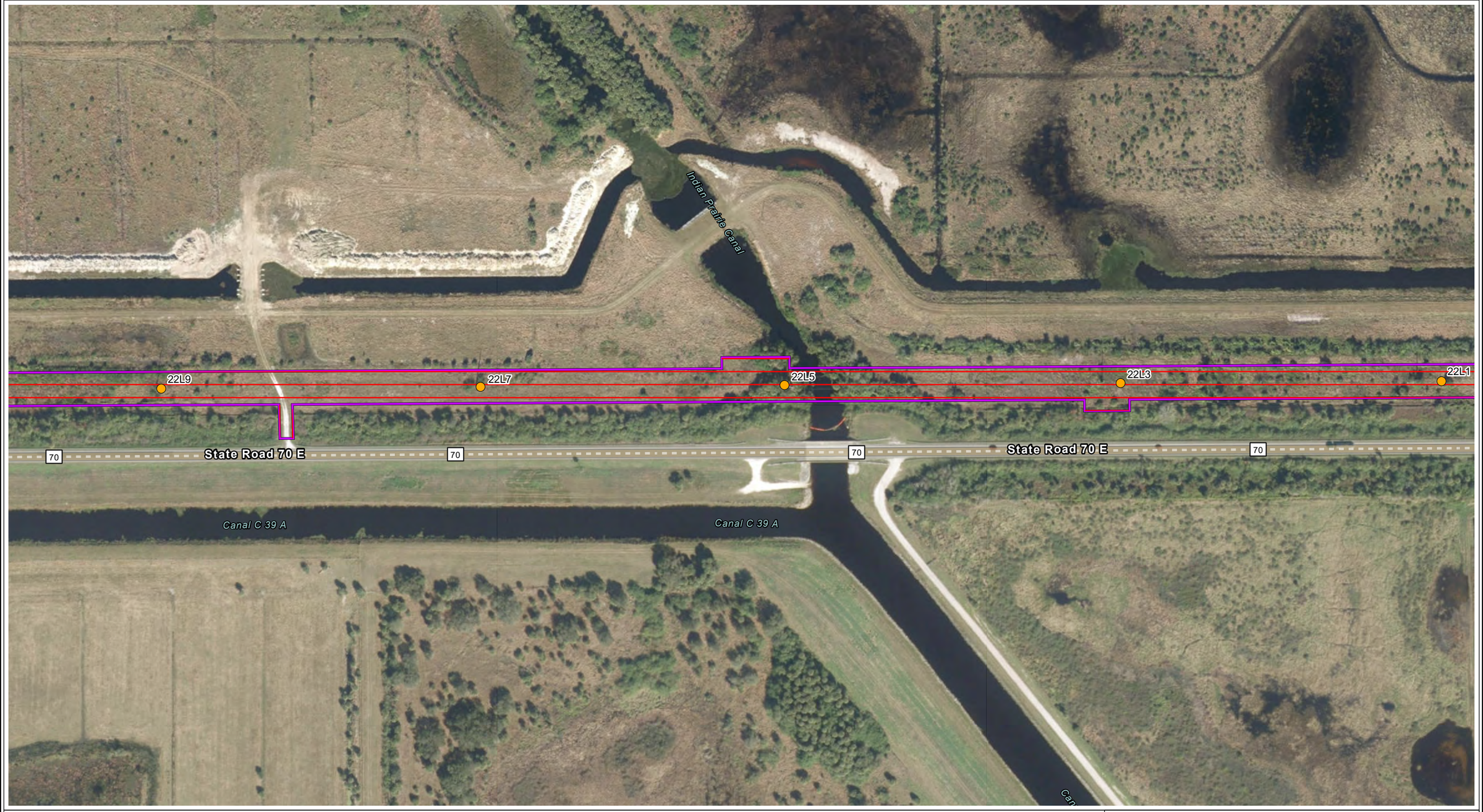
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 10 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

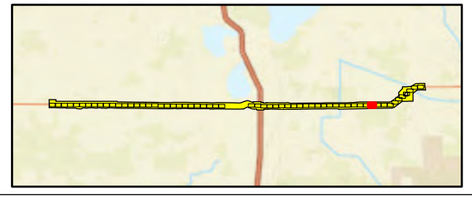
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 11 of 61

Highlands and DeSoto Counties, Florida

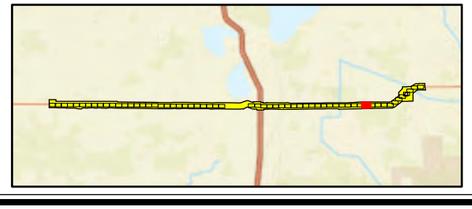
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 12 of 61

Highlands and DeSoto Counties, Florida

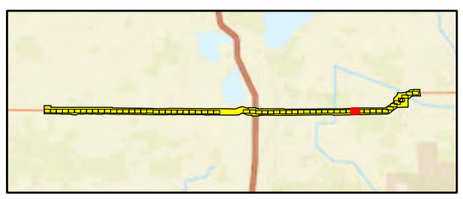
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

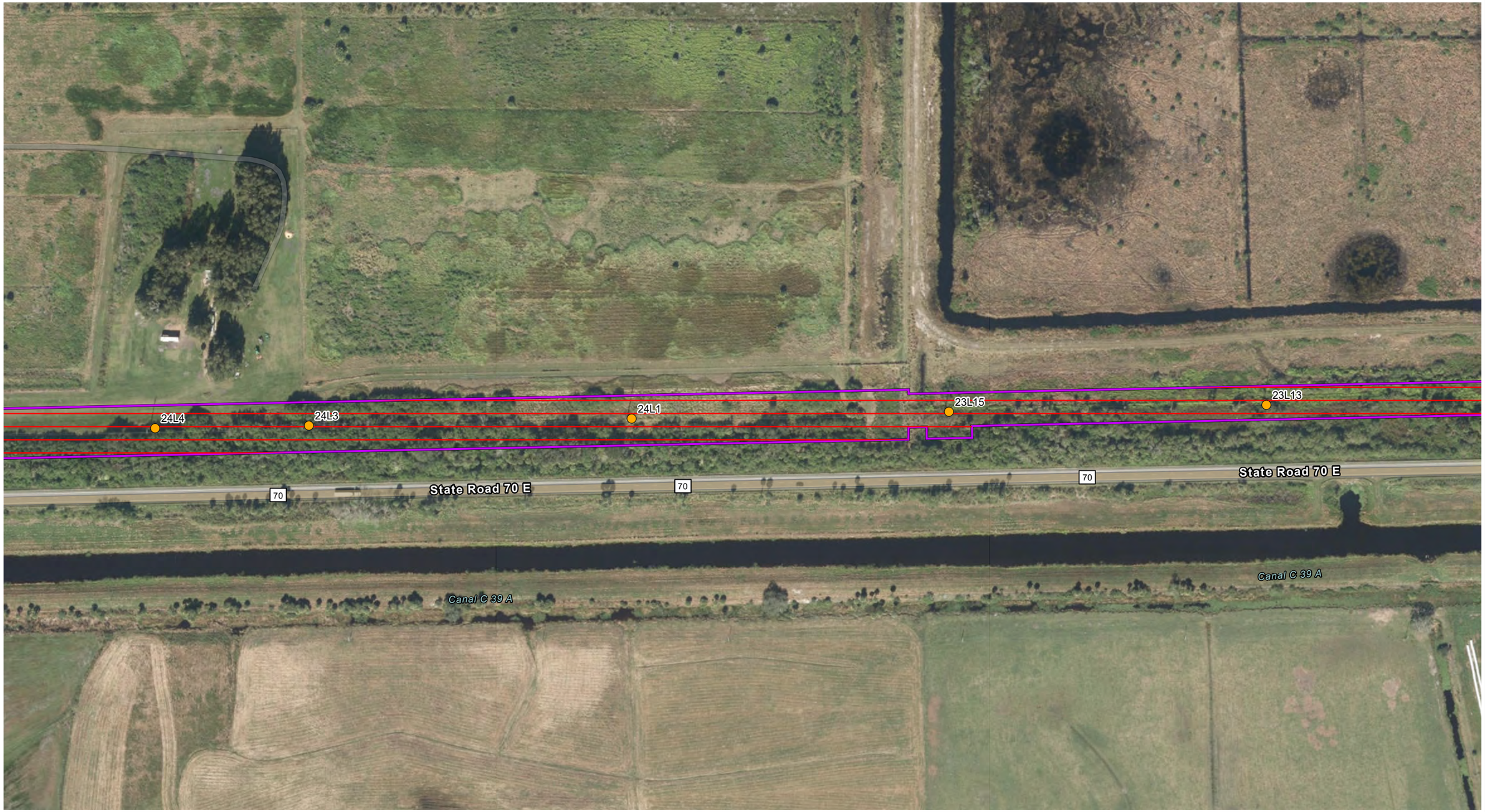
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 13 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

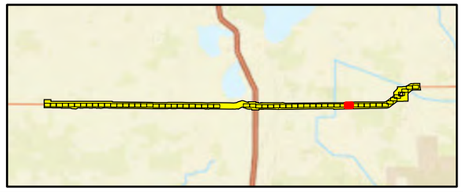
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

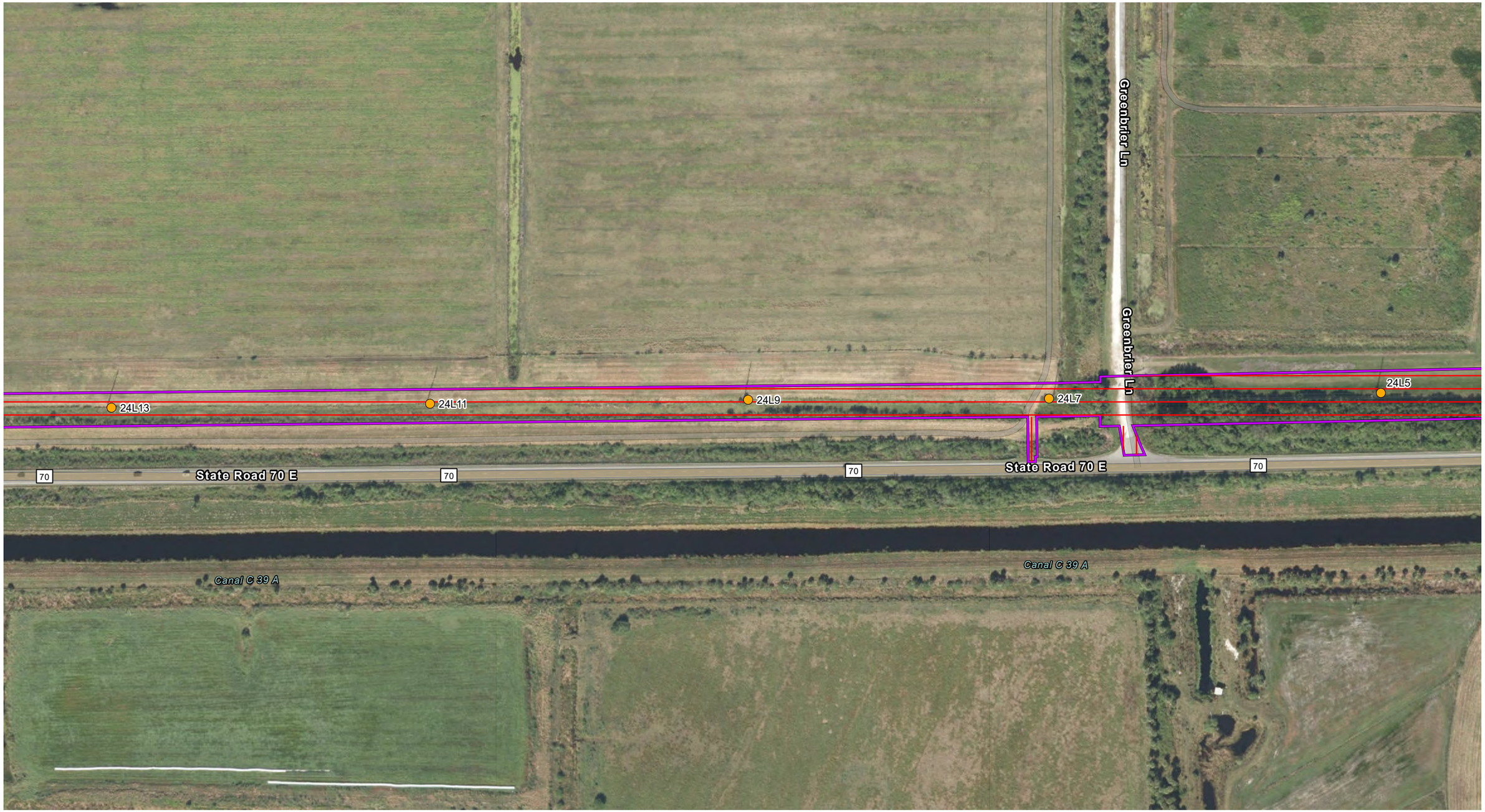
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 14 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

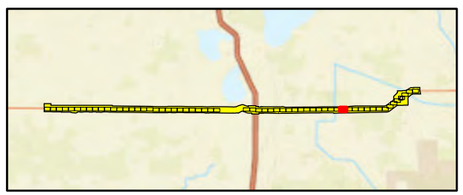
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

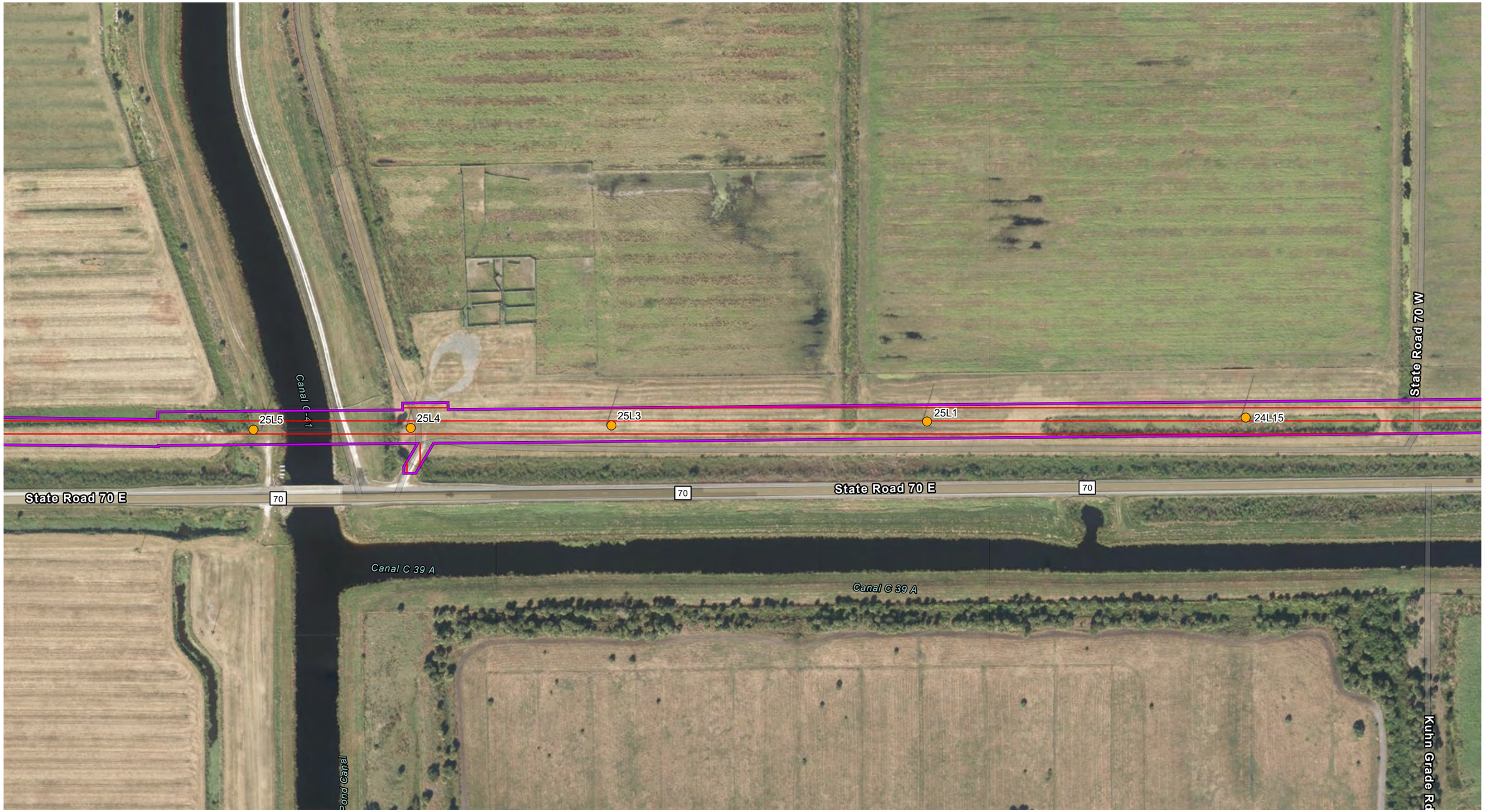
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 15 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

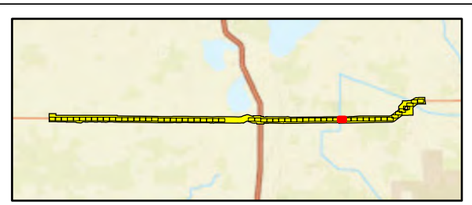
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 16 of 61

Highlands and DeSoto Counties, Florida

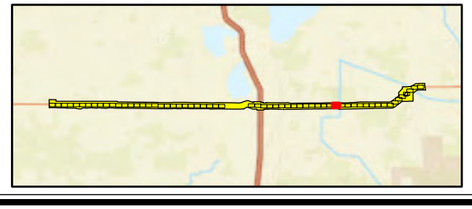
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

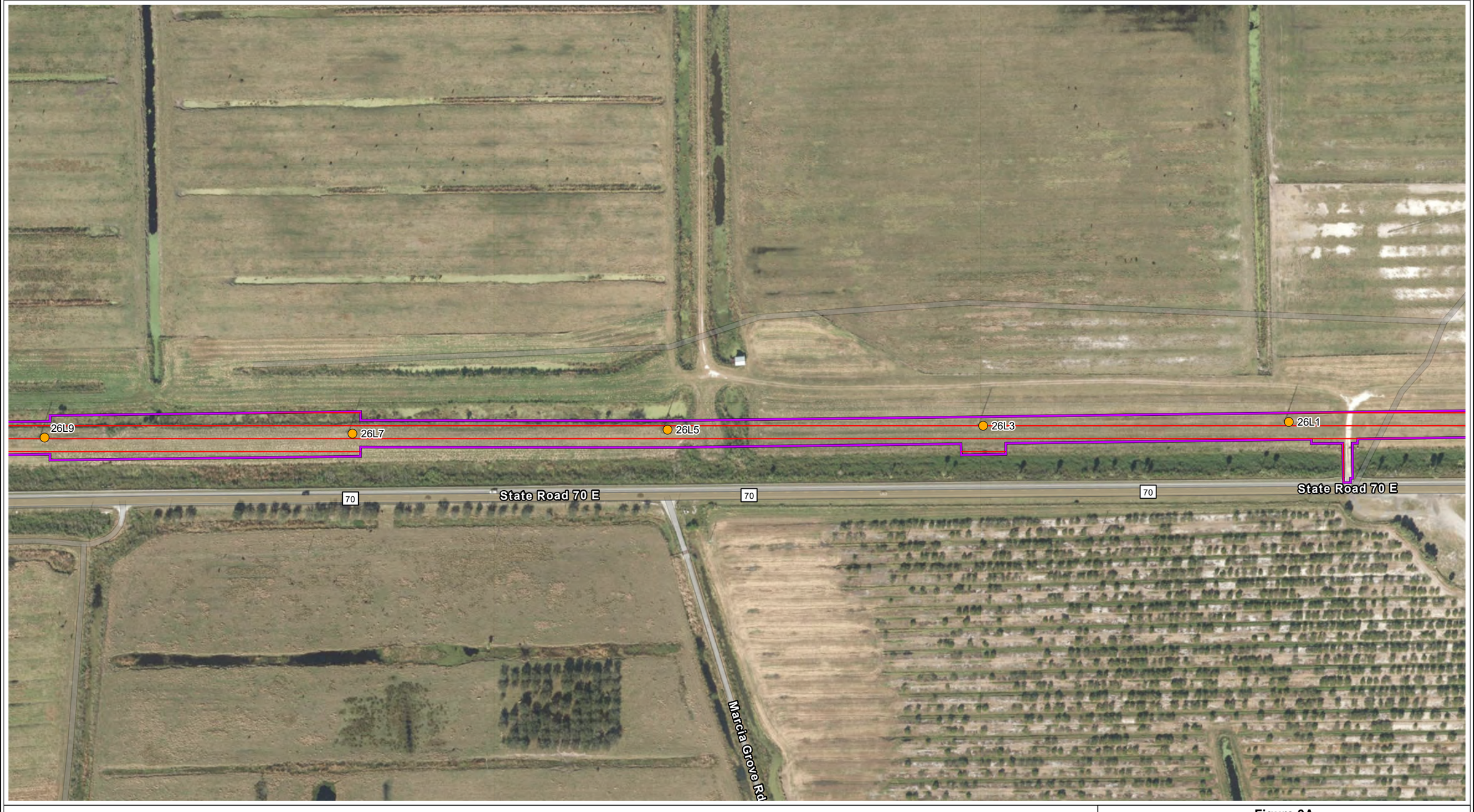
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 17 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

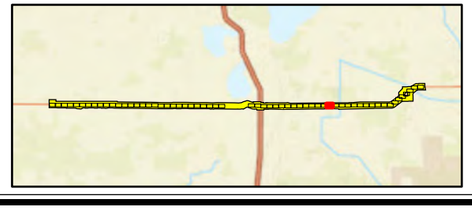
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

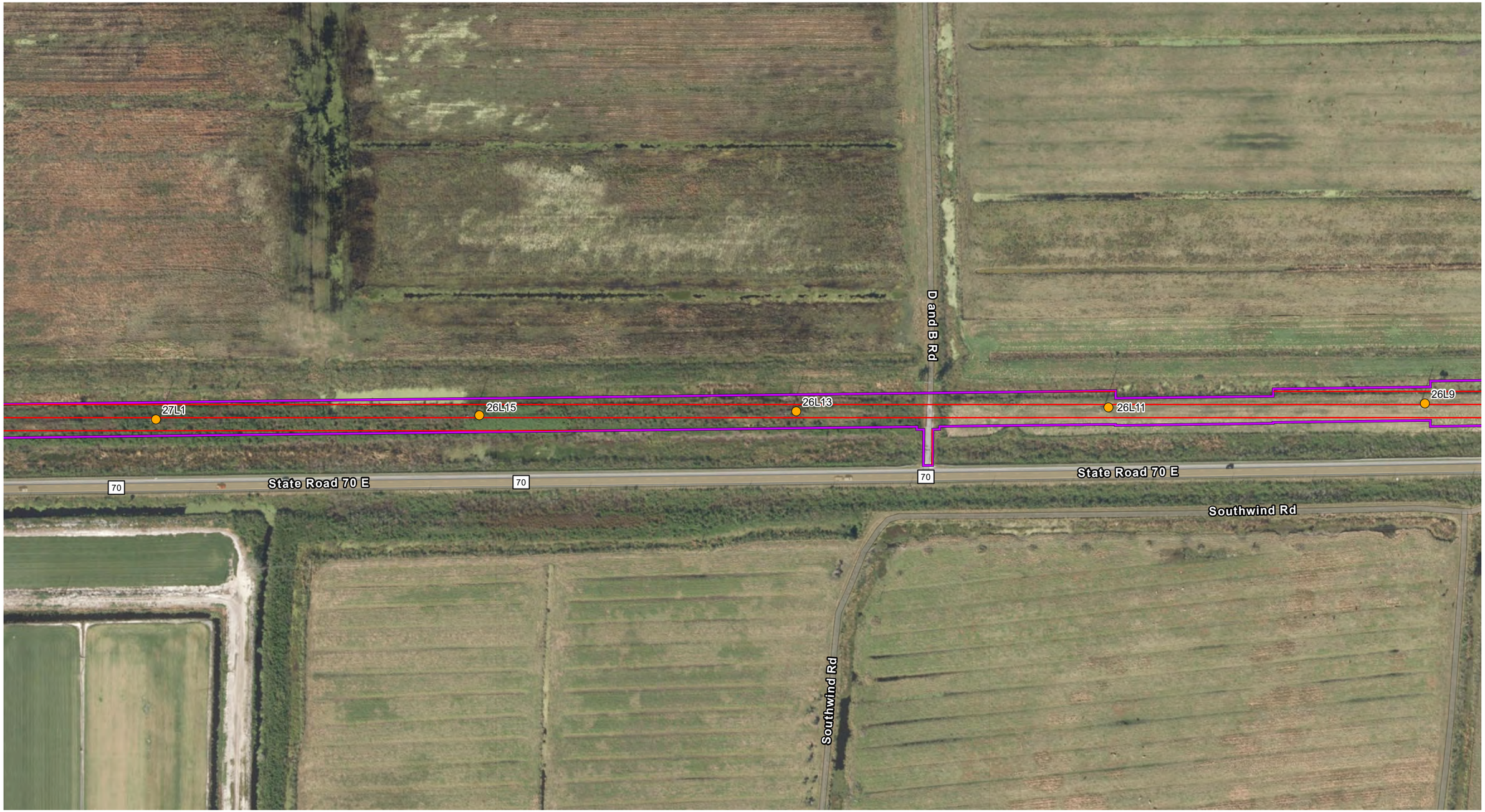
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 18 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

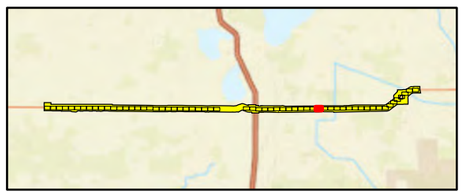
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 19 of 61

Highlands and DeSoto Counties, Florida

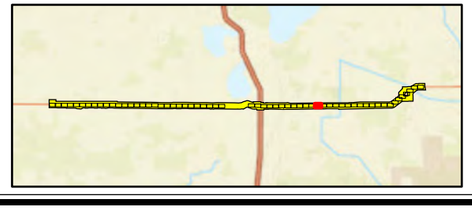
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 20 of 61

Highlands and DeSoto Counties, Florida

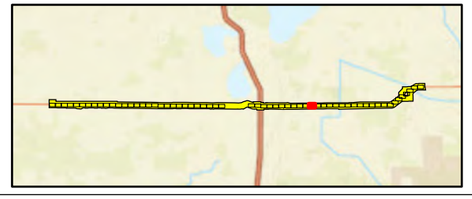
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 21 of 61

Highlands and DeSoto Counties, Florida

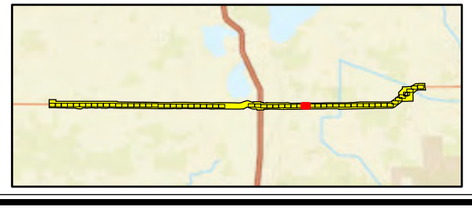
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

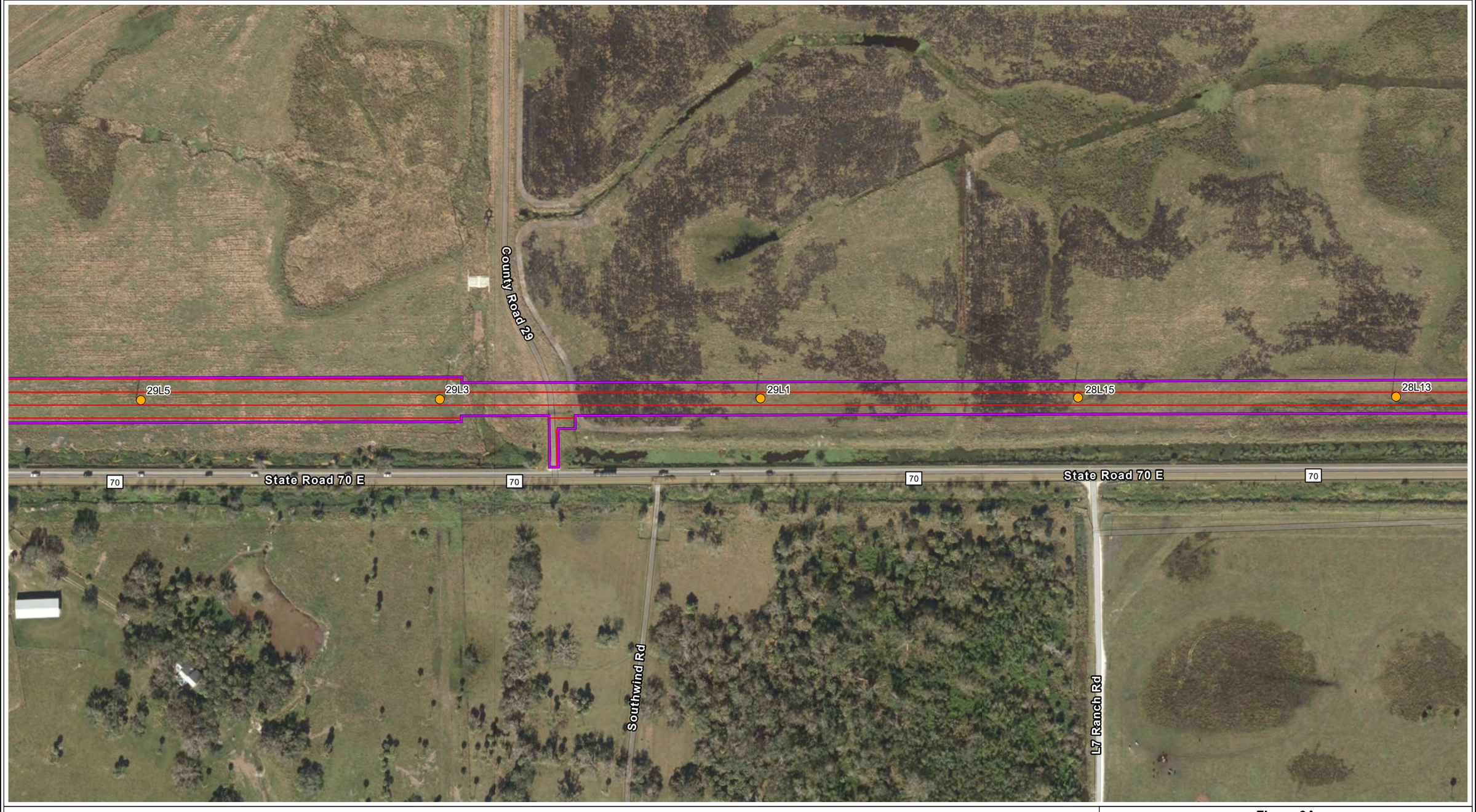
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 22 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

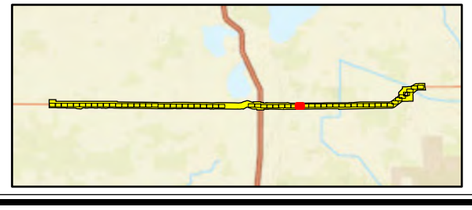
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 23 of 61

Highlands and DeSoto Counties, Florida

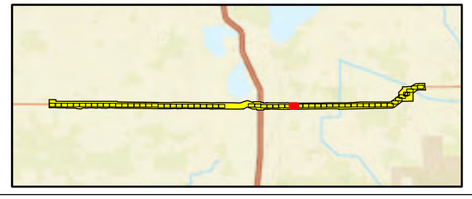
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

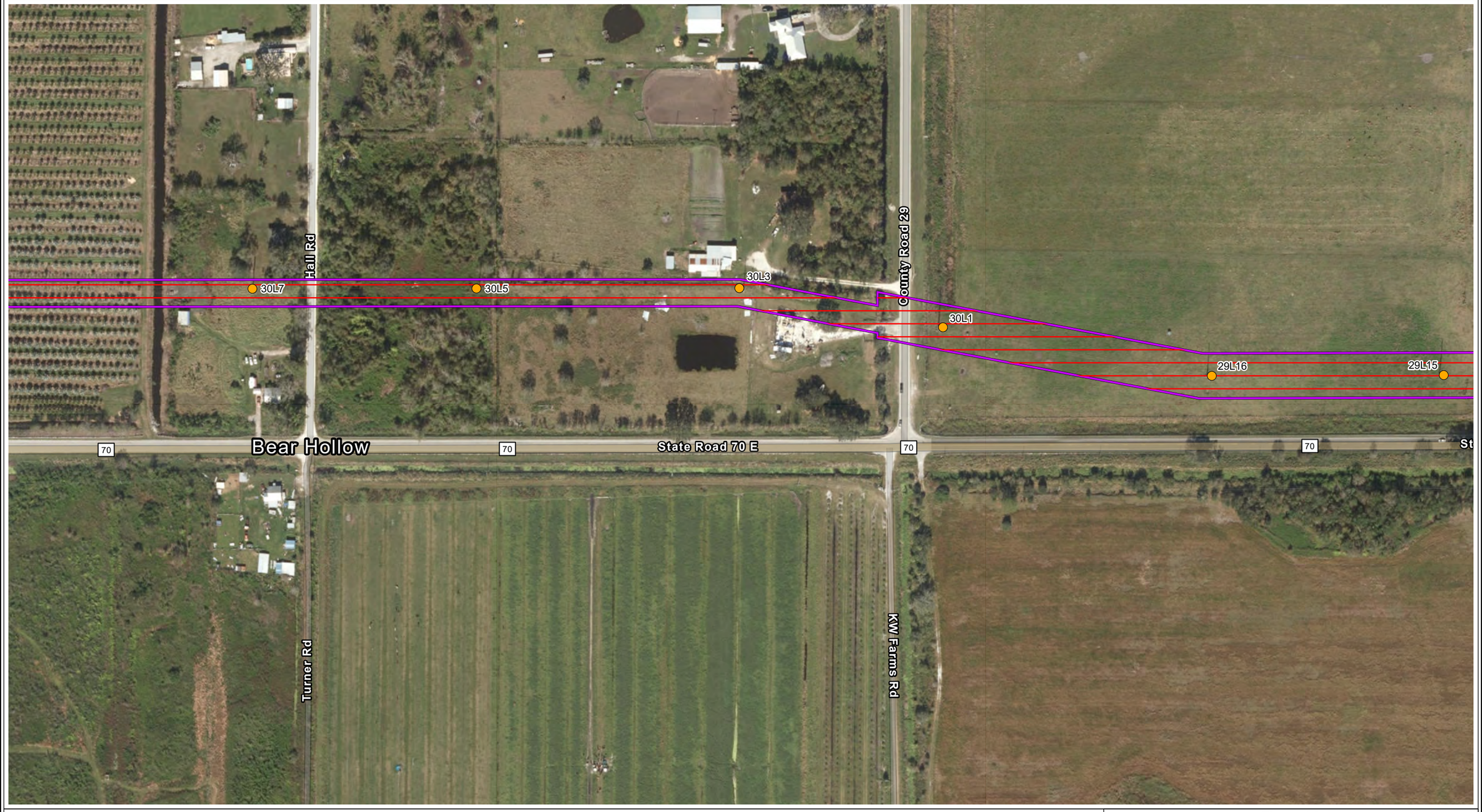
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 24 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

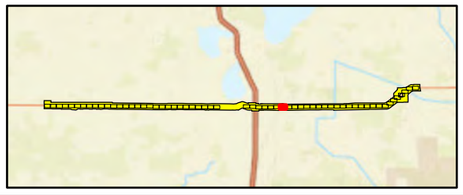
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 25 of 61

Highlands and DeSoto Counties, Florida

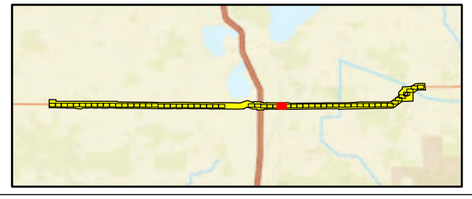
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 26 of 61

Highlands and DeSoto Counties, Florida

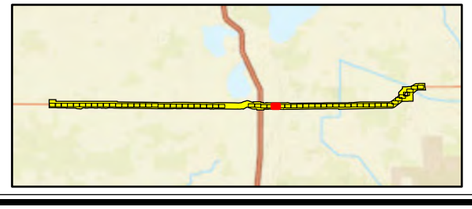
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 27 of 61

Highlands and DeSoto Counties, Florida

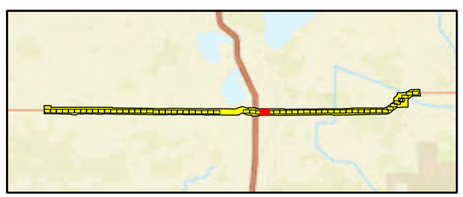
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 28 of 61

Highlands and DeSoto Counties, Florida

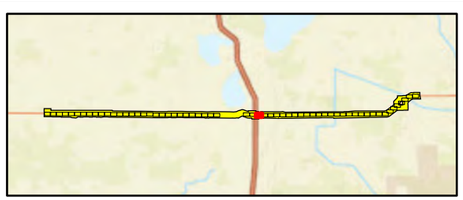
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 29 of 61

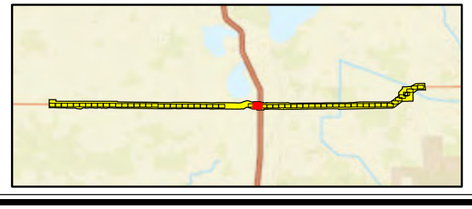
Highlands and DeSoto Counties, Florida

Date: 11/12/2024

ECT

Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint
Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

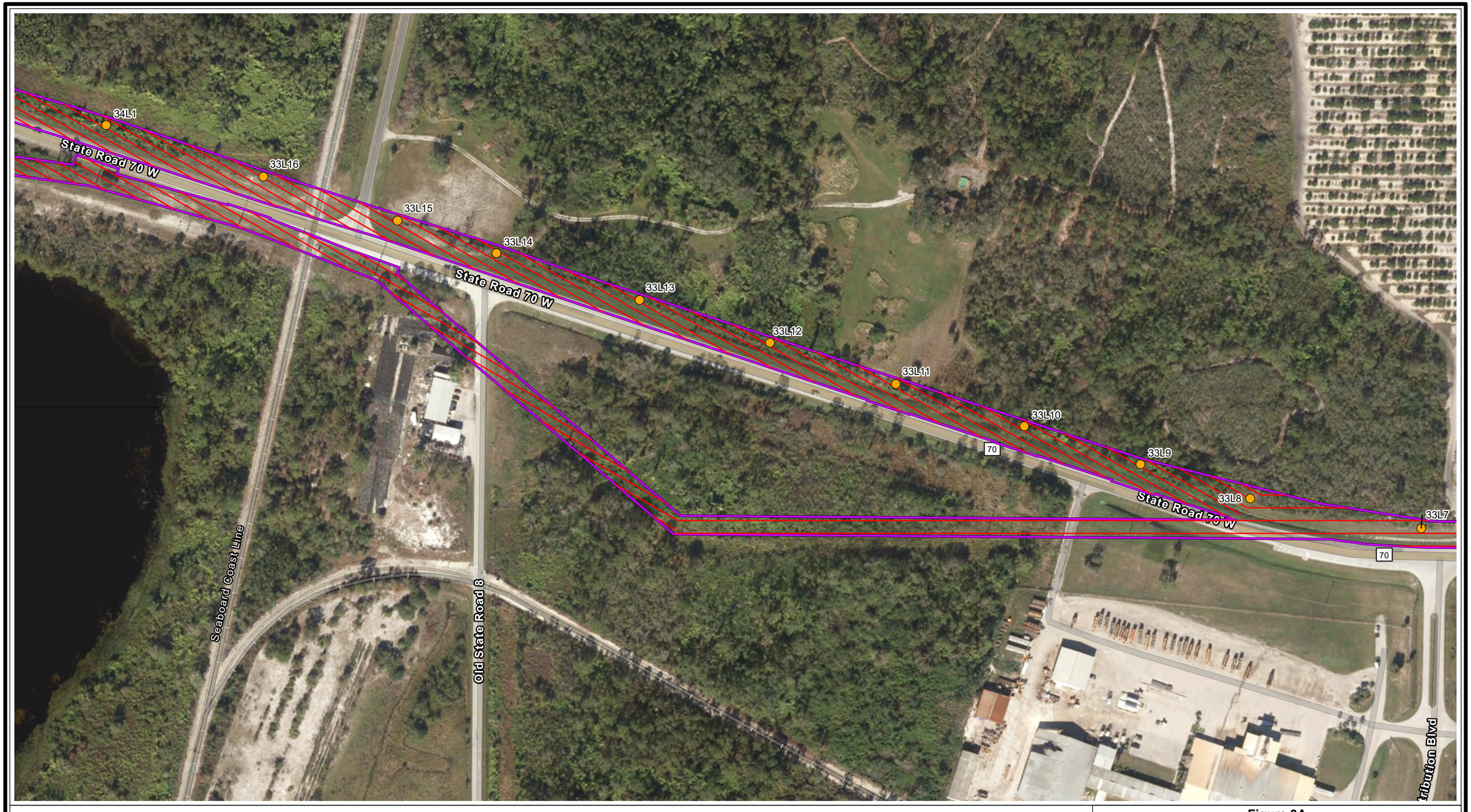
0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 30 of 61

Highlands and DeSoto Counties, Florida
Date: 11/12/2024

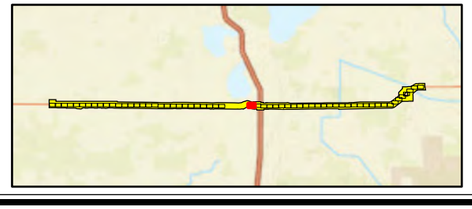
ECT



Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint

Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

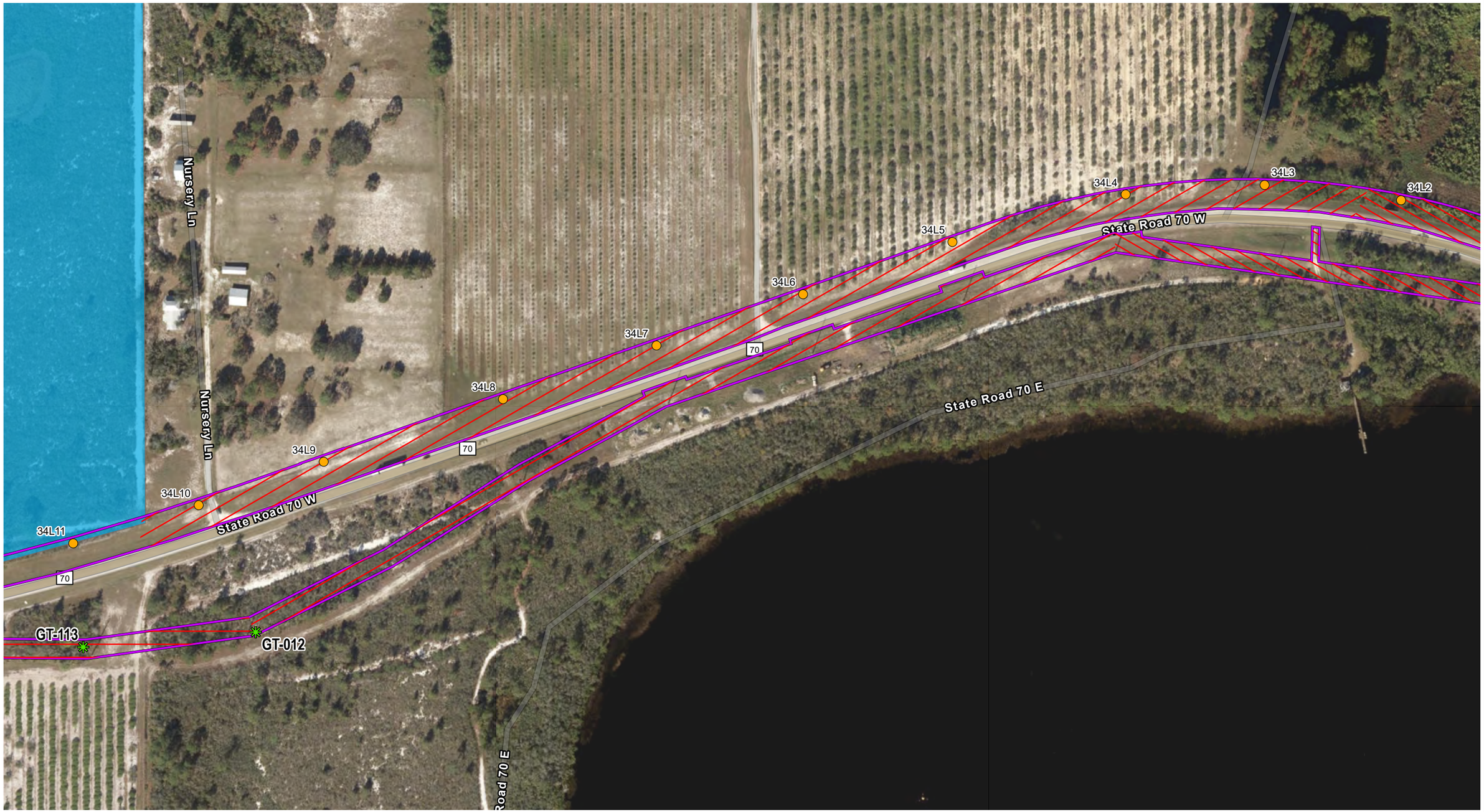
0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 31 of 61

Highlands and DeSoto Counties, Florida
Date: 11/12/2024

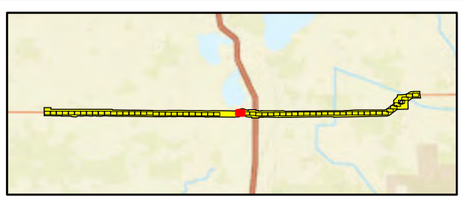
ECT



Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint

Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 32 of 61

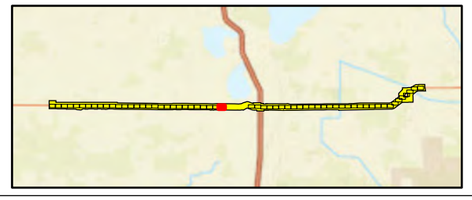
Highlands and DeSoto Counties, Florida
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 33 of 61

Highlands and DeSoto Counties, Florida

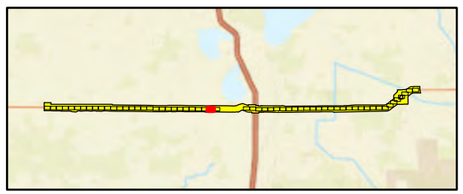
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 34 of 61

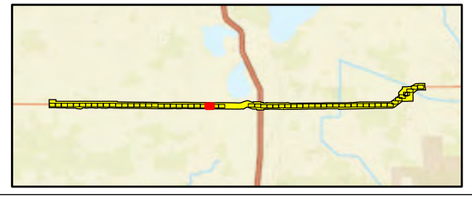
Highlands and DeSoto Counties, Florida

Date: 11/12/2024

ECT

Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint
Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 35 of 61

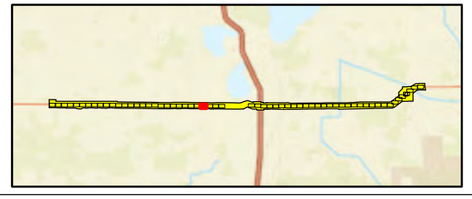
Highlands and DeSoto Counties, Florida
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

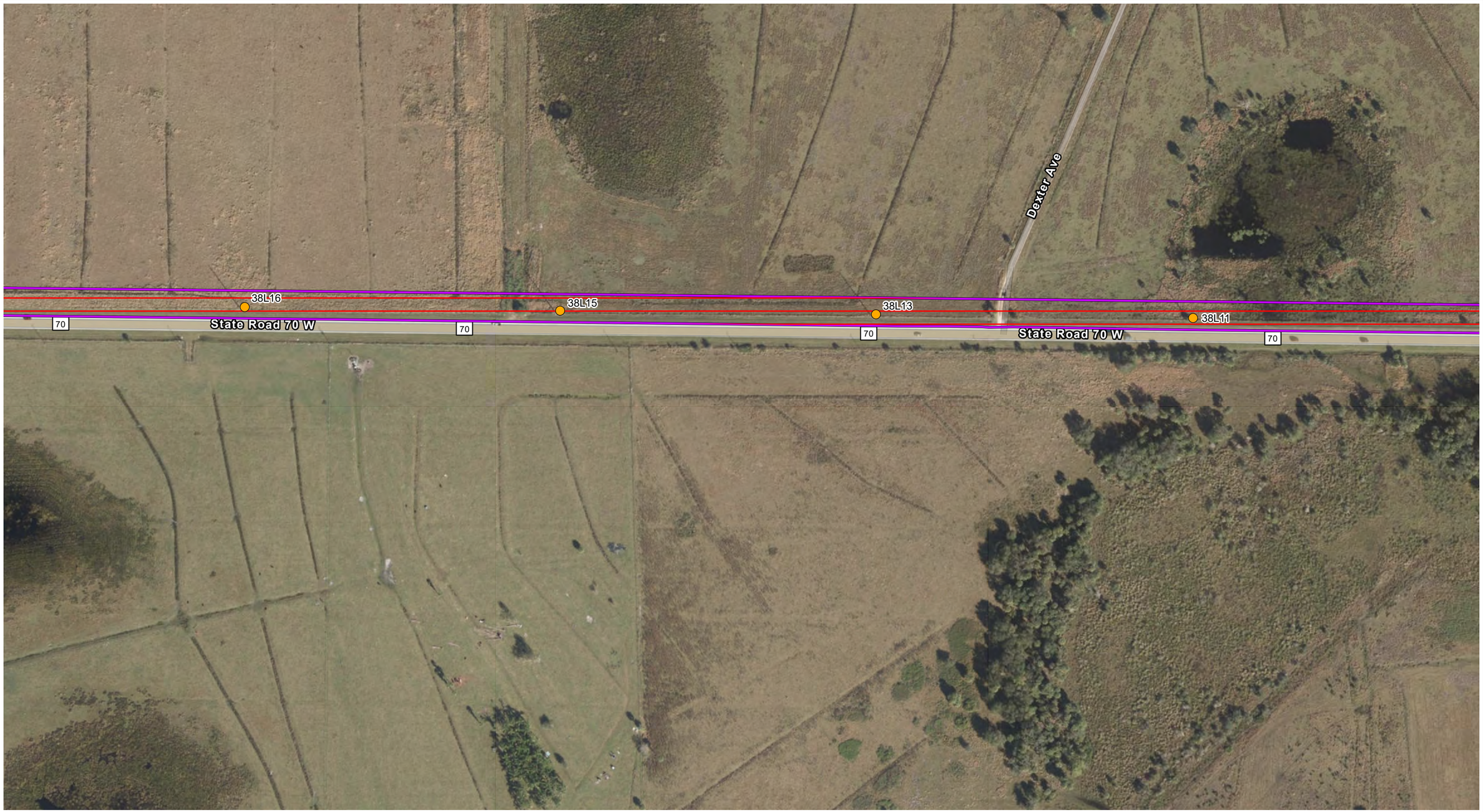
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 36 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

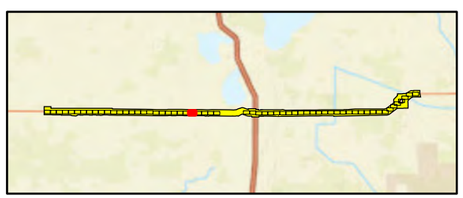
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 37 of 61

Highlands and DeSoto Counties, Florida

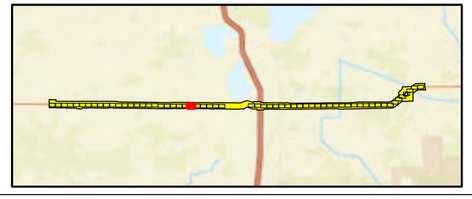
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 38 of 61

Highlands and DeSoto Counties, Florida

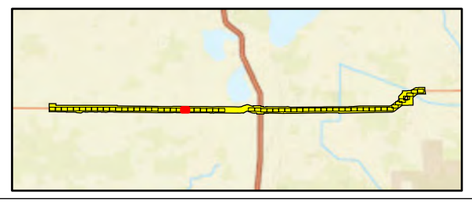
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 39 of 61

Highlands and DeSoto Counties, Florida

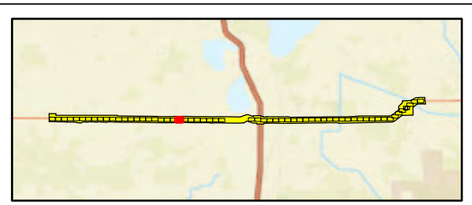
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 40 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

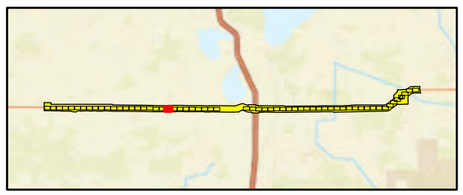
ECT

41L3
41L1
40L15
40L13
40L11
State Road 70 W
70
State Road 70 E

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

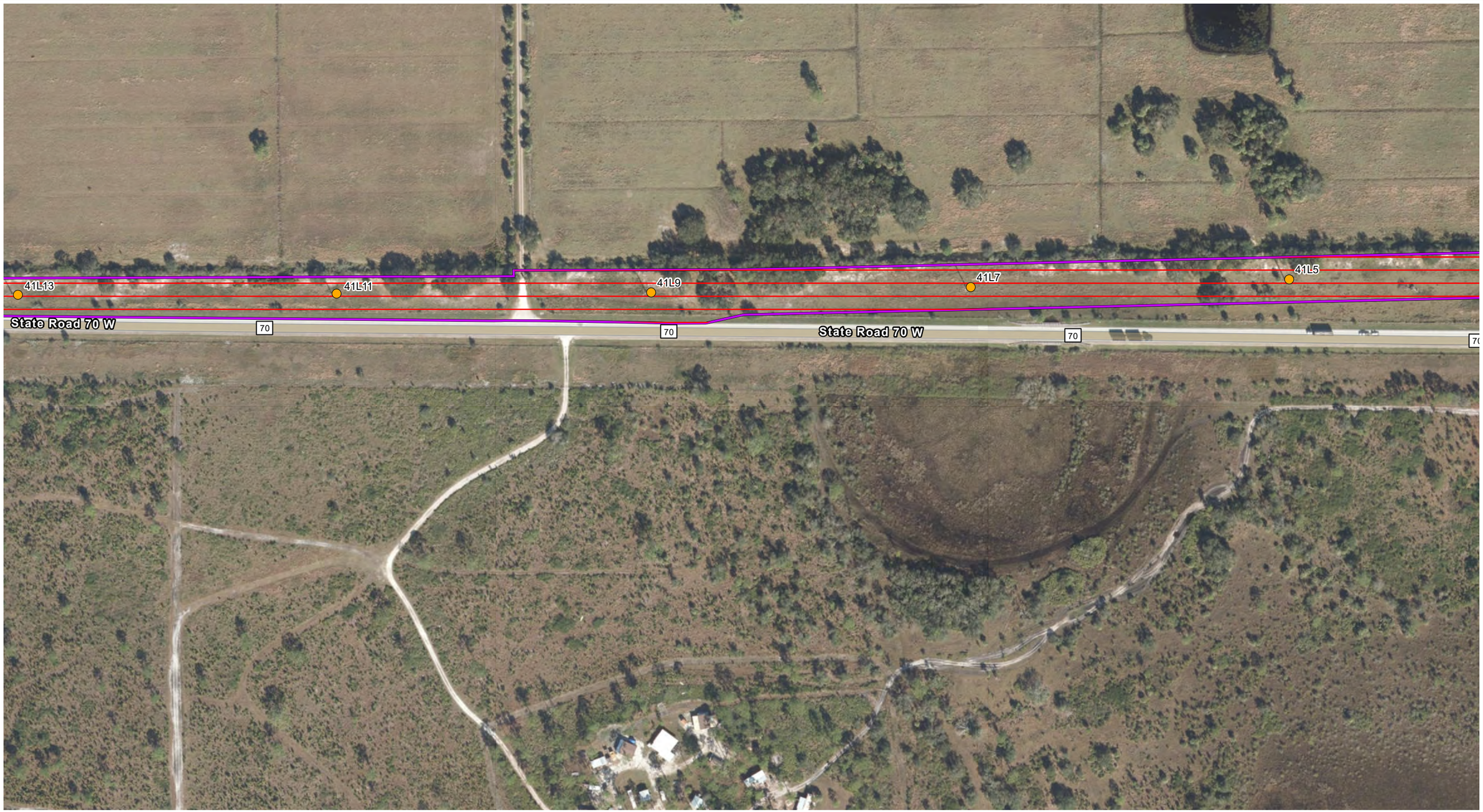
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 41 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

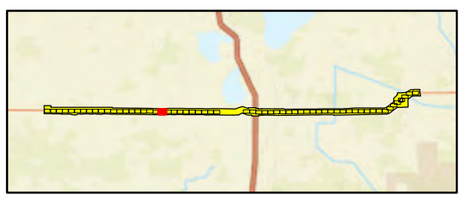
ECT



Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint

Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 42 of 61

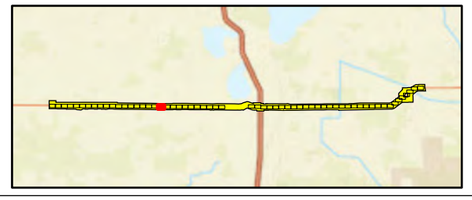
Highlands and DeSoto Counties, Florida
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

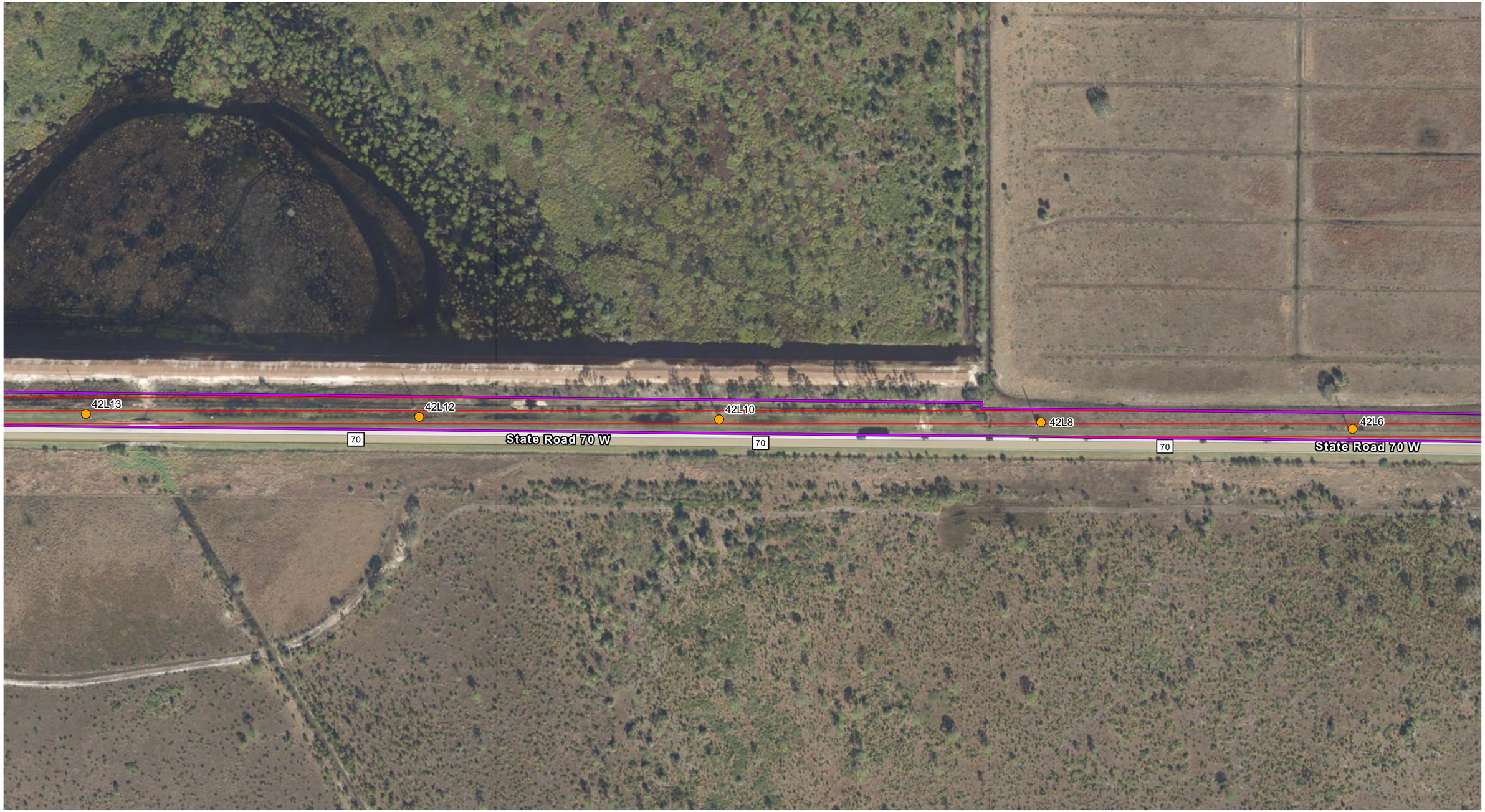
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 43 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

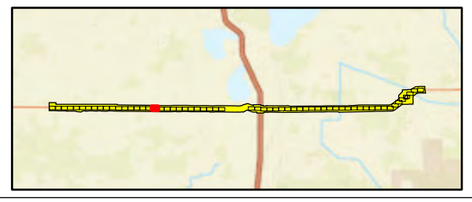
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

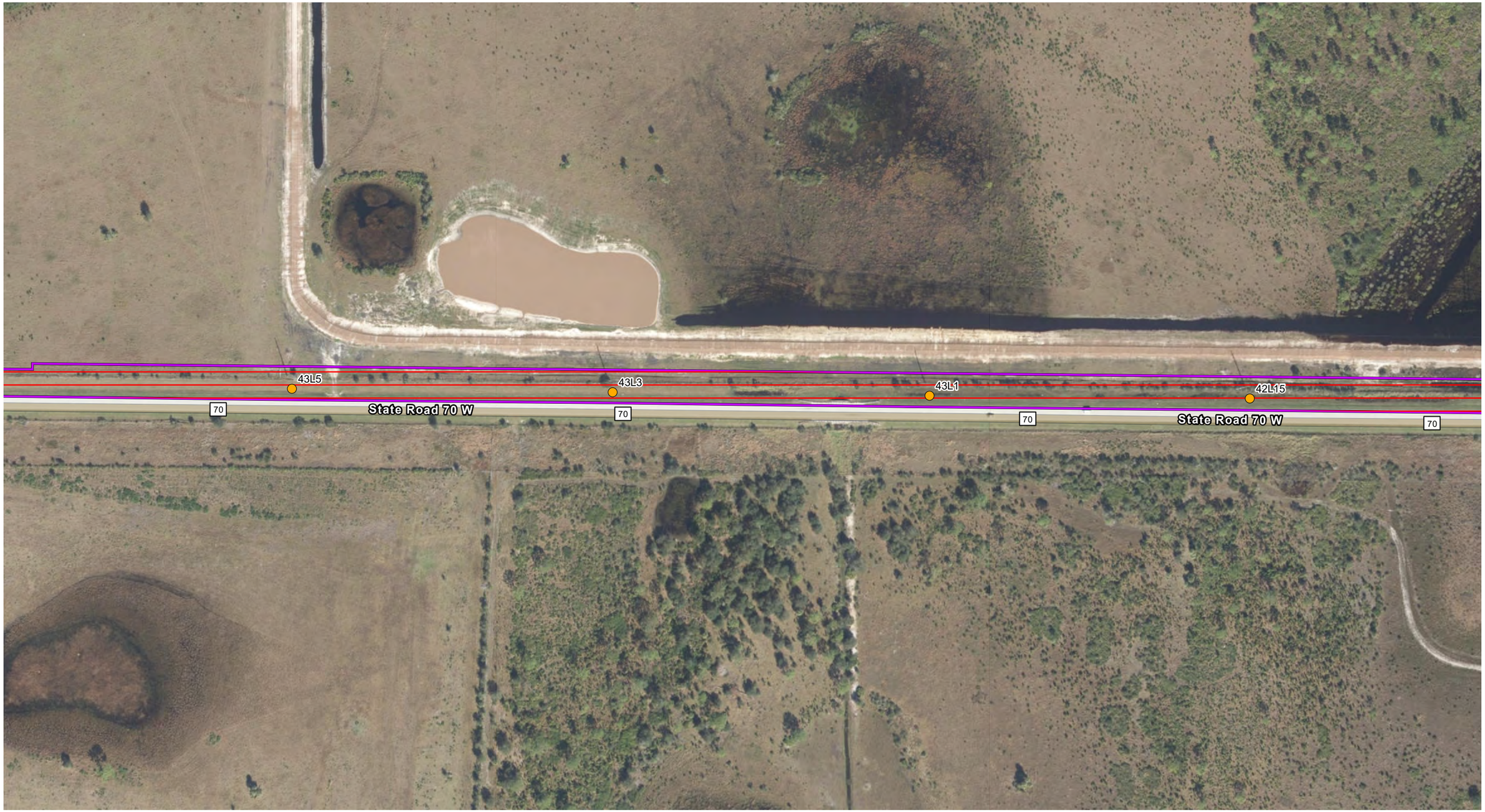
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 44 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

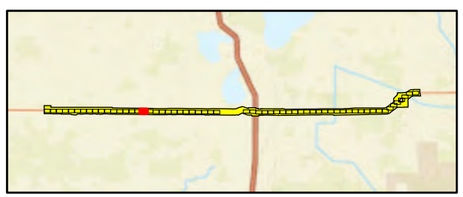
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 45 of 61

Highlands and DeSoto Counties, Florida

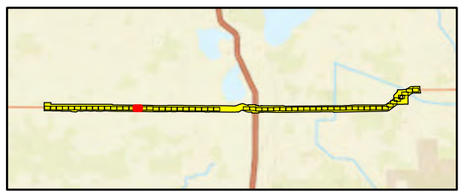
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 46 of 61

Highlands and DeSoto Counties, Florida

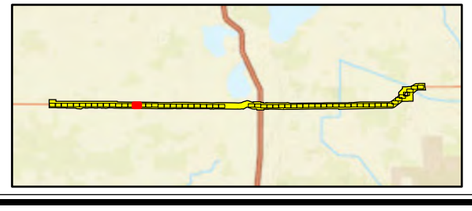
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 47 of 61

Highlands and DeSoto Counties, Florida

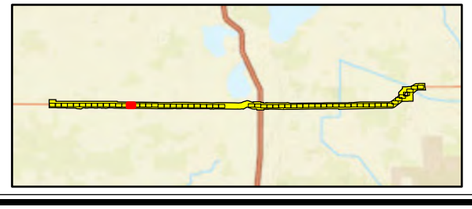
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 48 of 61

Highlands and DeSoto Counties, Florida

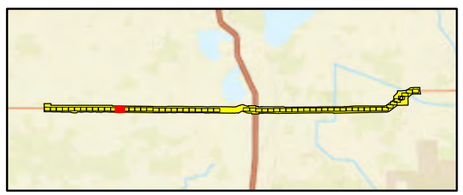
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 49 of 61

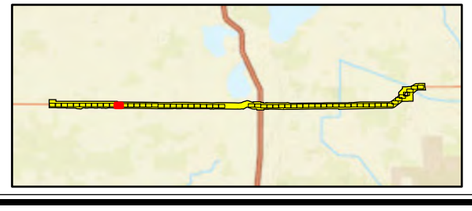
Highlands and DeSoto Counties, Florida

Date: 11/12/2024

ECT

Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint
Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 50 of 61

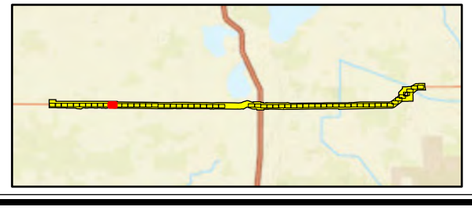
Highlands and DeSoto Counties, Florida
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 51 of 61

Highlands and DeSoto Counties, Florida

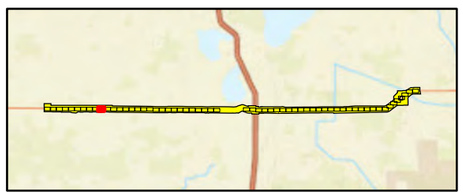
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 52 of 61

Highlands and DeSoto Counties, Florida

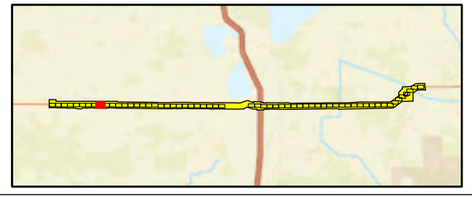
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 53 of 61

Highlands and DeSoto Counties, Florida

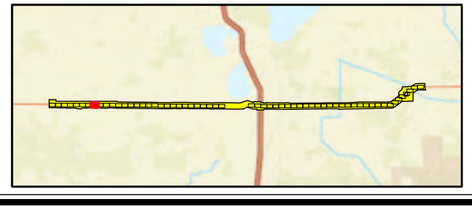
Date: 11/12/2024

ECT

Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint

Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

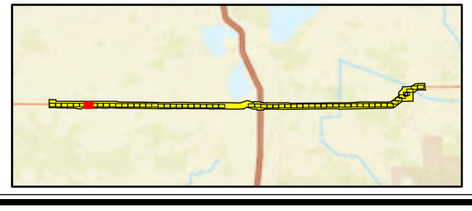
Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 54 of 61

Highlands and DeSoto Counties, Florida
Date: 11/12/2024

ECT

Proposed Structures
Substation
Transect (±30ft)
Waterway-Dorr Field Project Footprint
Lake Wales Ridge National Wildlife Refuge

GT Activity
Abandoned (1)
Potentially Occupied (8)



N

0 200 400
Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 55 of 61

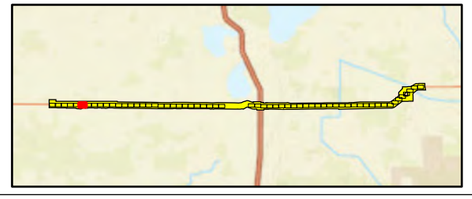
Highlands and DeSoto Counties, Florida
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

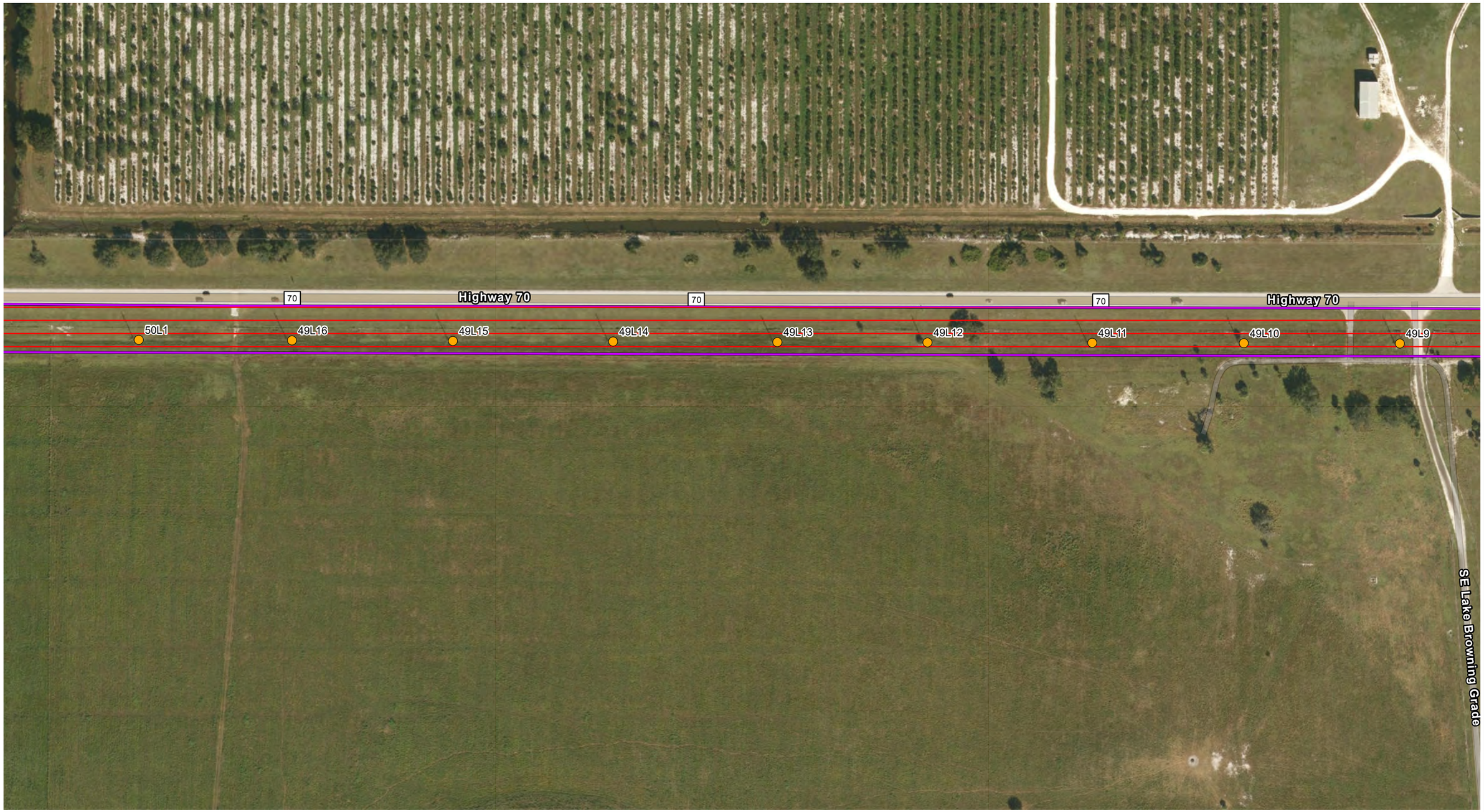
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 56 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

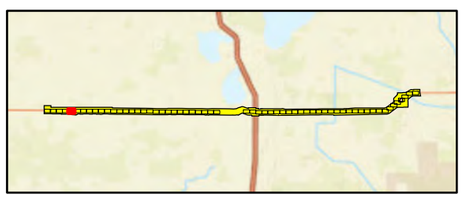
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

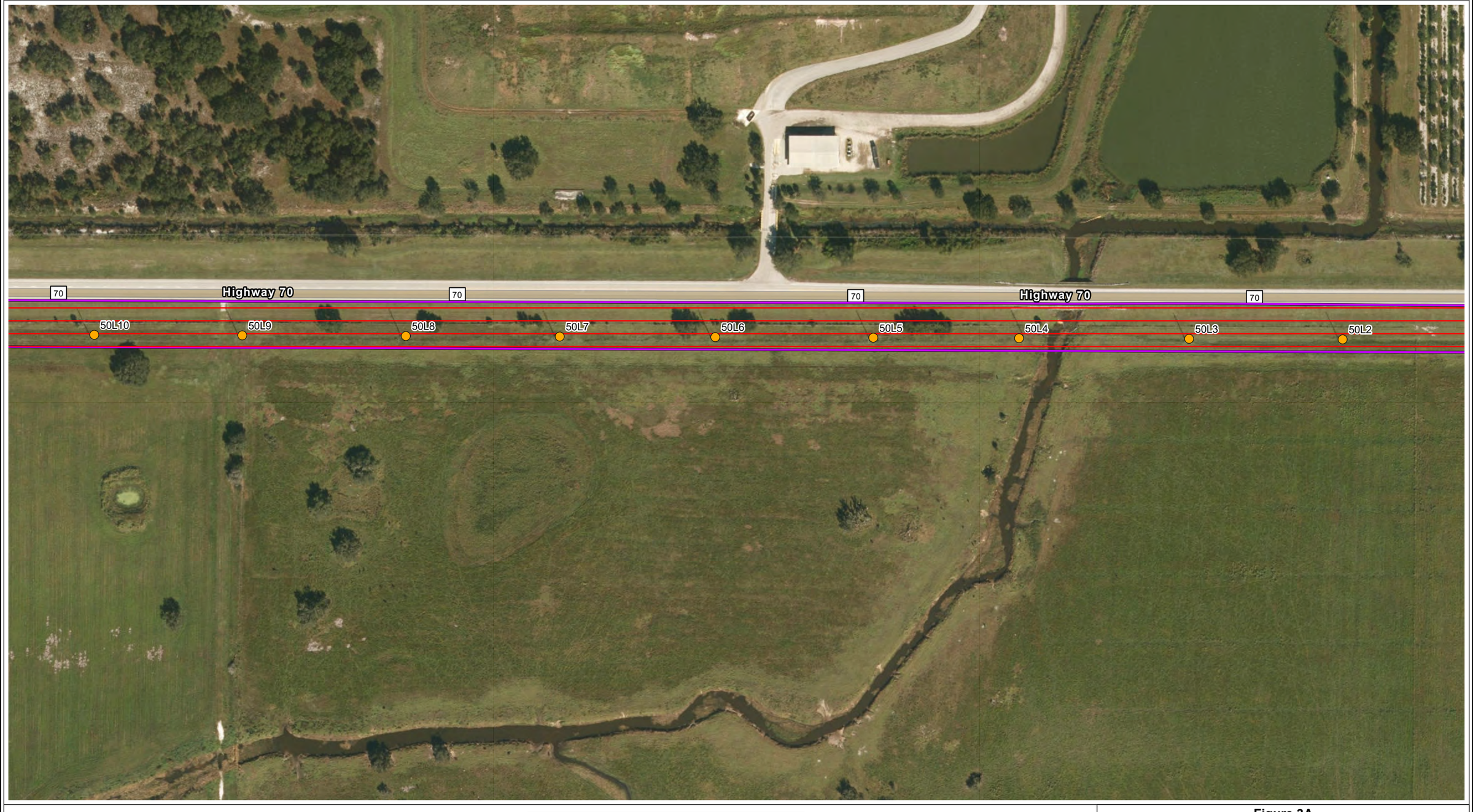
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 57 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

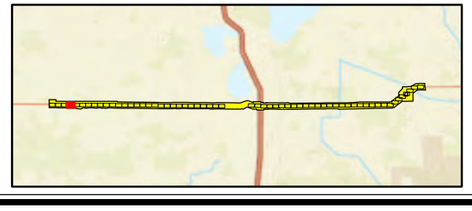
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 58 of 61

Highlands and DeSoto Counties, Florida

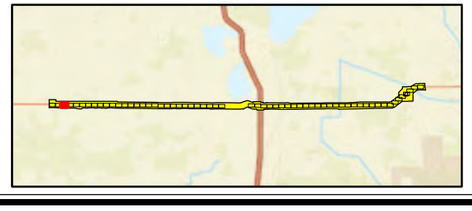
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 59 of 61

Highlands and DeSoto Counties, Florida

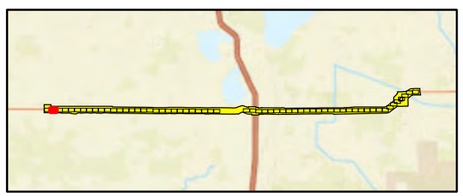
Date: 11/12/2024

ECT

- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

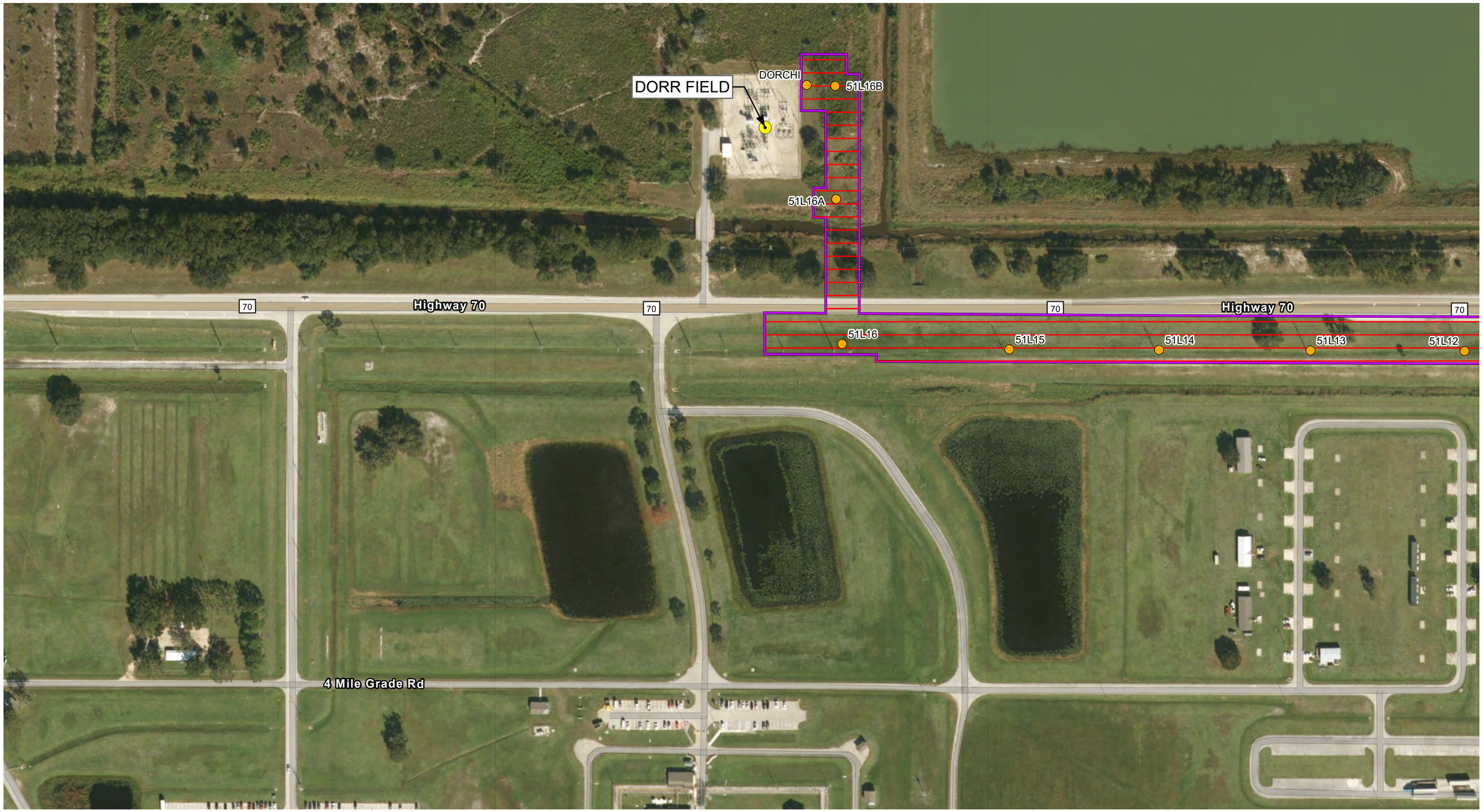
Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 60 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

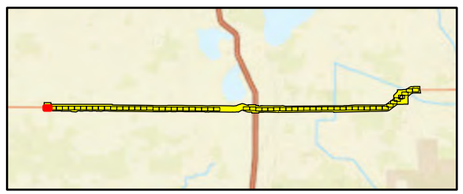
ECT



- Proposed Structures
- Substation
- Transect (±30ft)
- Waterway-Dorr Field Project Footprint
- Lake Wales Ridge National Wildlife Refuge

GT Activity

- Abandoned (1)
- Potentially Occupied (8)



N

0 200 400

Feet

Sources: NRCS, 2022; Esri World Imagery, 2020; ECT, 2024.

Figure 3A
Segment 3: Waterway - Dorr Field
GT Survey & Transects
Page 61 of 61

Highlands and DeSoto Counties, Florida

Date: 11/12/2024

ECT