

**Florida Fish and Wildlife Conservation Commission Division  
of Habitat and Species Conservation  
Land Conservation and Planning  
Dade County Archipelago Florida Forever Project Analysis  
December 2024**

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This document contains the Florida Fish and Wildlife Conservation Commission's (FWC) Geographic Information System (GIS) data analysis of the area yet to be acquired within the **Dade County Archipelago** Florida Forever project. This analysis was performed to provide FWC and others with important fish and wildlife resource information to be used in evaluating and ranking Florida Forever projects. The data selected for analysis are those considered by FWC to spatially reflect important fish and wildlife habitat and life history requirements.

In addition, FWC has completed a field review and associated assessment report for this project/proposal that is incorporated within the Acquisition and Restoration Council Florida Forever Project Evaluation Report. This report is available upon request.

### **GIS Data**

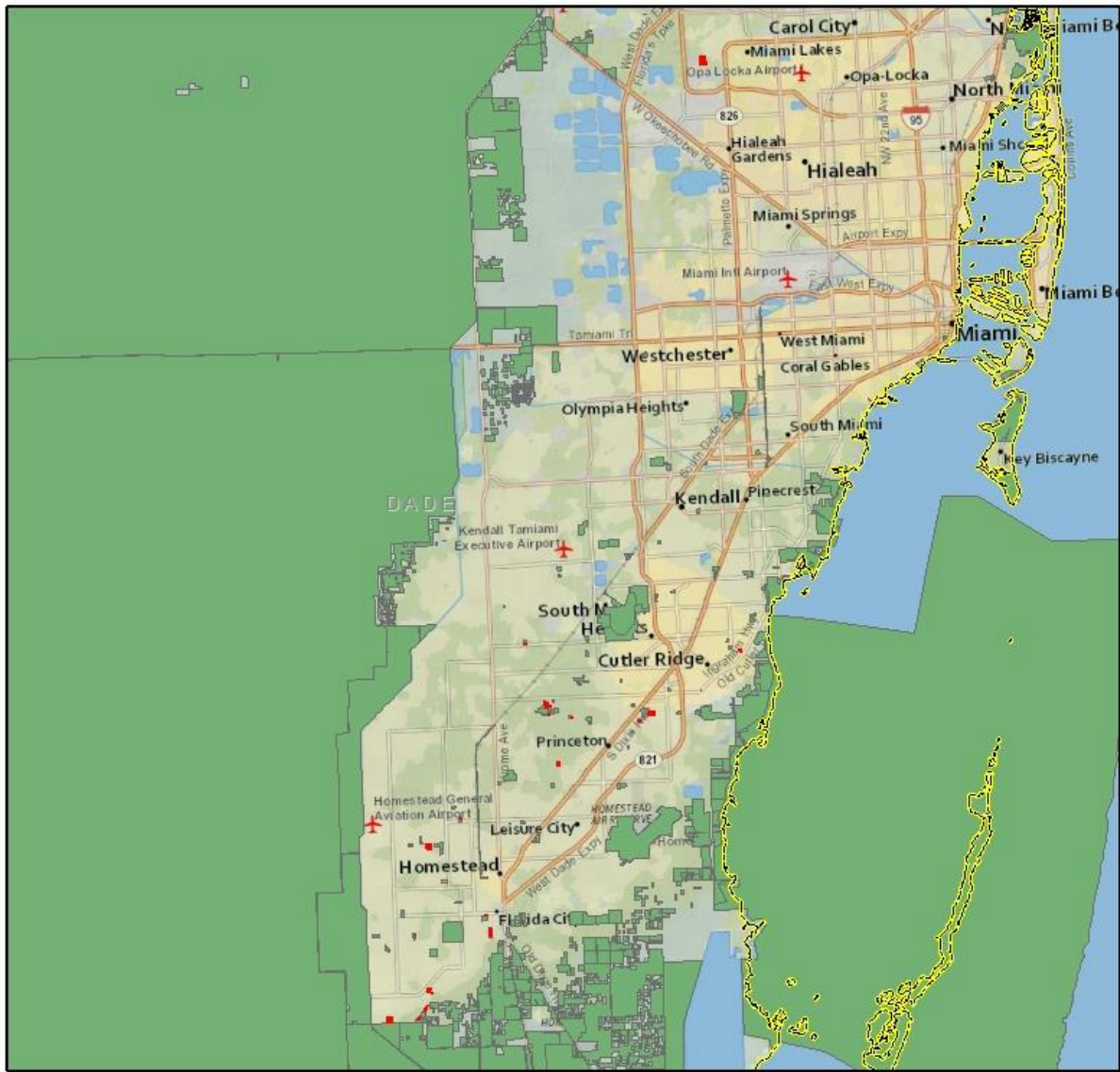
The FWC utilizes the Florida Cooperative Land Cover (CLC) GIS data layer for identification and mapping of land cover. The CLC is a cooperative effort between the FWC and the Florida Natural Areas Inventory (FNAI) to develop ecologically-based statewide land cover from existing sources and expert review of aerial photography. Land cover acreage estimates found in this document are based on GIS analysis of these data.

The FWC Florida Landscape Assessment Model (FLAM)<sup>1</sup> is a GIS model that determines the landscape value based on natural resources and fish and wildlife habitat. The FLAM ranks habitat from a 0-10; a rank of 10 being of greatest value.

Important fish and wildlife resource GIS data were queried using Environmental Resource Analysis GIS computer software. These data include the following GIS layers:

- FWC-FNAI Florida Cooperative Land Cover
- FWC Strategic Habitat Conservation Areas – Priority and Species
- Critical Lands and Waters Identification Project (CLIP) – Priority 1 and 2 – Terrestrial and Water
- CLIP – Landscape, Biodiversity, and Floodplain Resources
- Panther Location
- Panther Mortality
- Florida Panther Priority Habitat (Primary, Secondary, and Dispersal)
- Black Bear Range
- Rare Fish Locations/ Imperiled Waters
- Southern Bald Eagle Nest
- FWC Imperiled Species Richness

- FNAI Element Occurrences
- FNAI Suitable Habitat that Supports Species Known to Occur in the Vicinity
- Florida Department of Environmental Protection Surface Water Classification
- U.S. Fish and Wildlife Service (USFWS) - National Wetlands Inventory
- USFWS Critical Habitat
- Florida Geological Survey Springs
- Outstanding Florida Waters
- Areas of Critical State Concern



**Dade County Archipelago**  
**Florida Forever Project**  
 Dade County  
 219 Remaining Acres

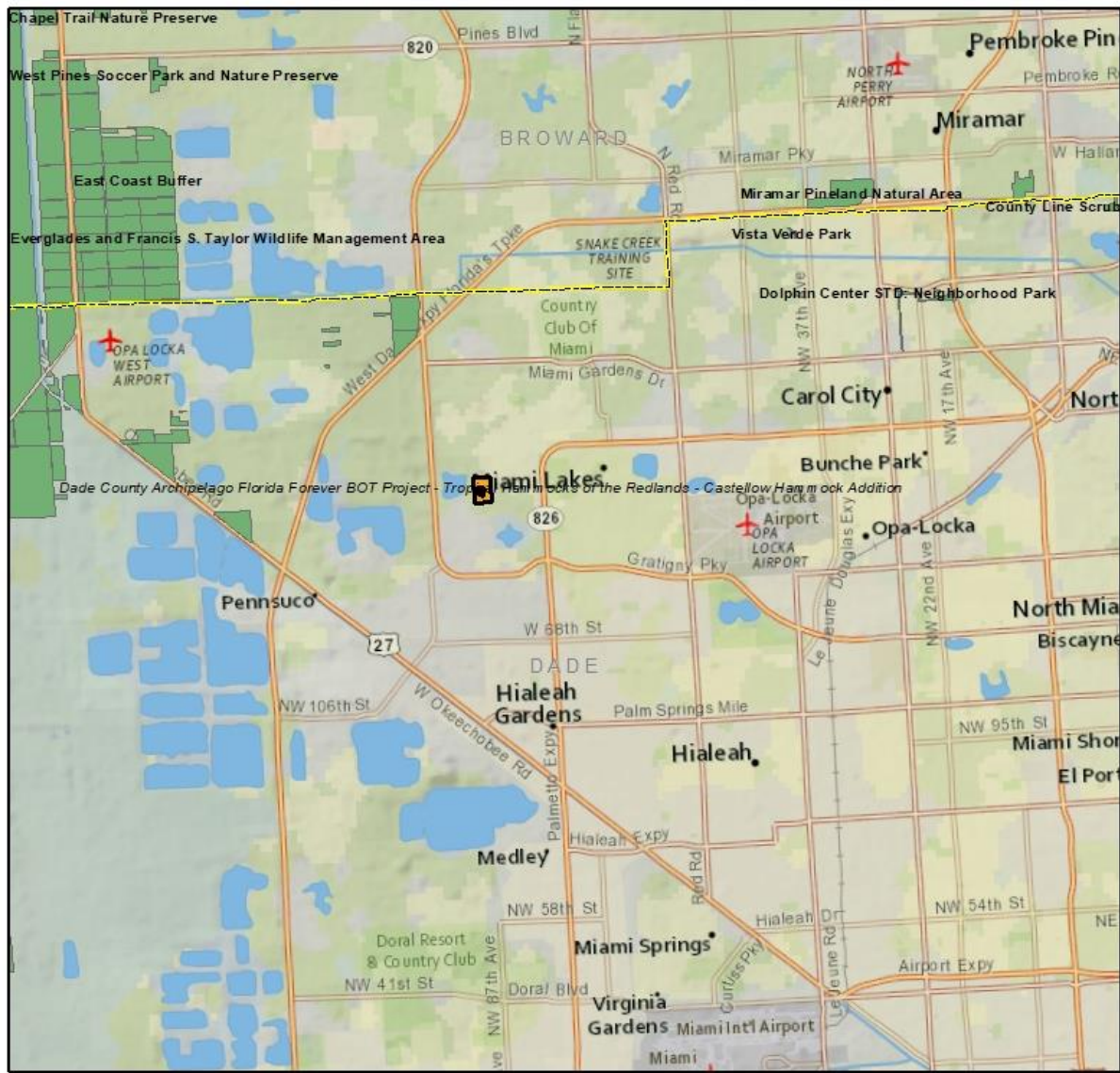


0 5 10 15 20 Miles

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#### Vicinity Map

- Dade County Archipelago
- County Boundaries
- Conservation Lands
- Florida Forever Projects



**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres



0 2 4 6 8 Miles

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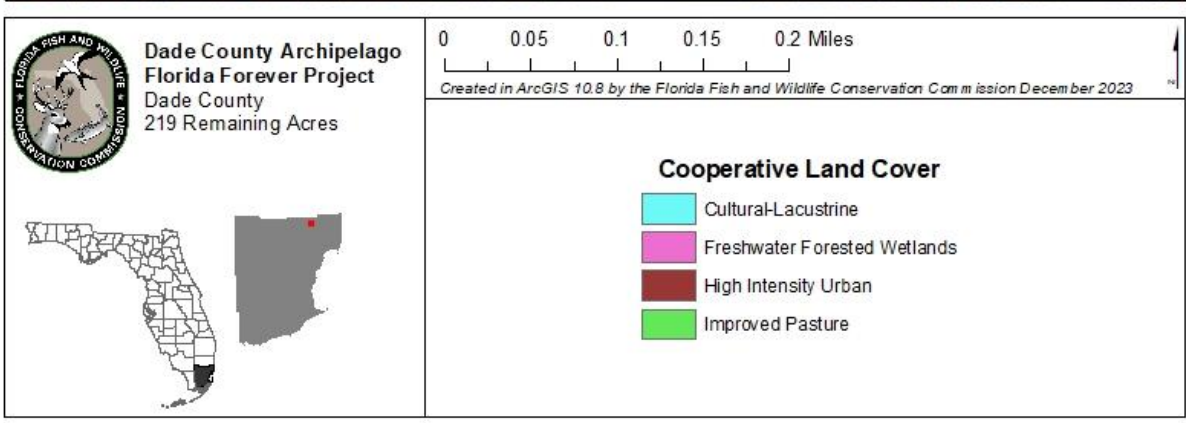


0 0.05 0.1 0.15 0.2 Miles

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#### Vicinity Map

 Dade County Archipelago





**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres

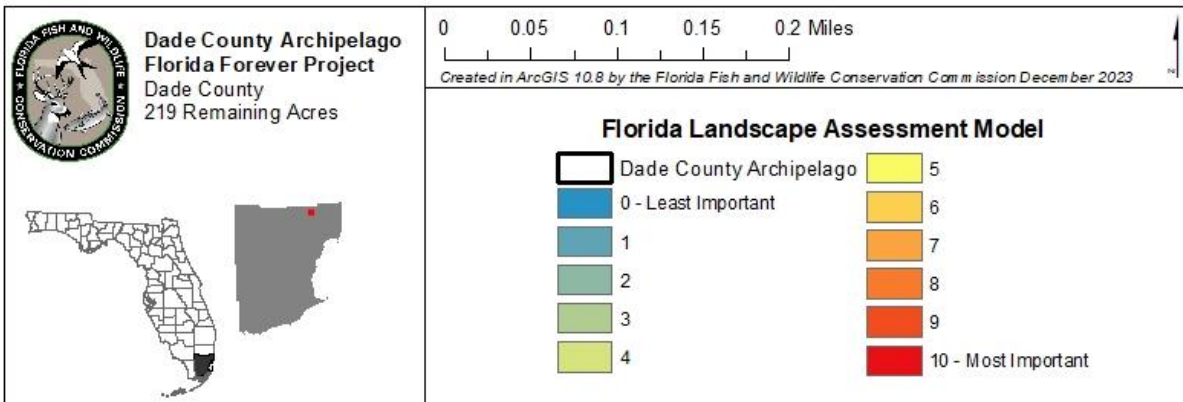
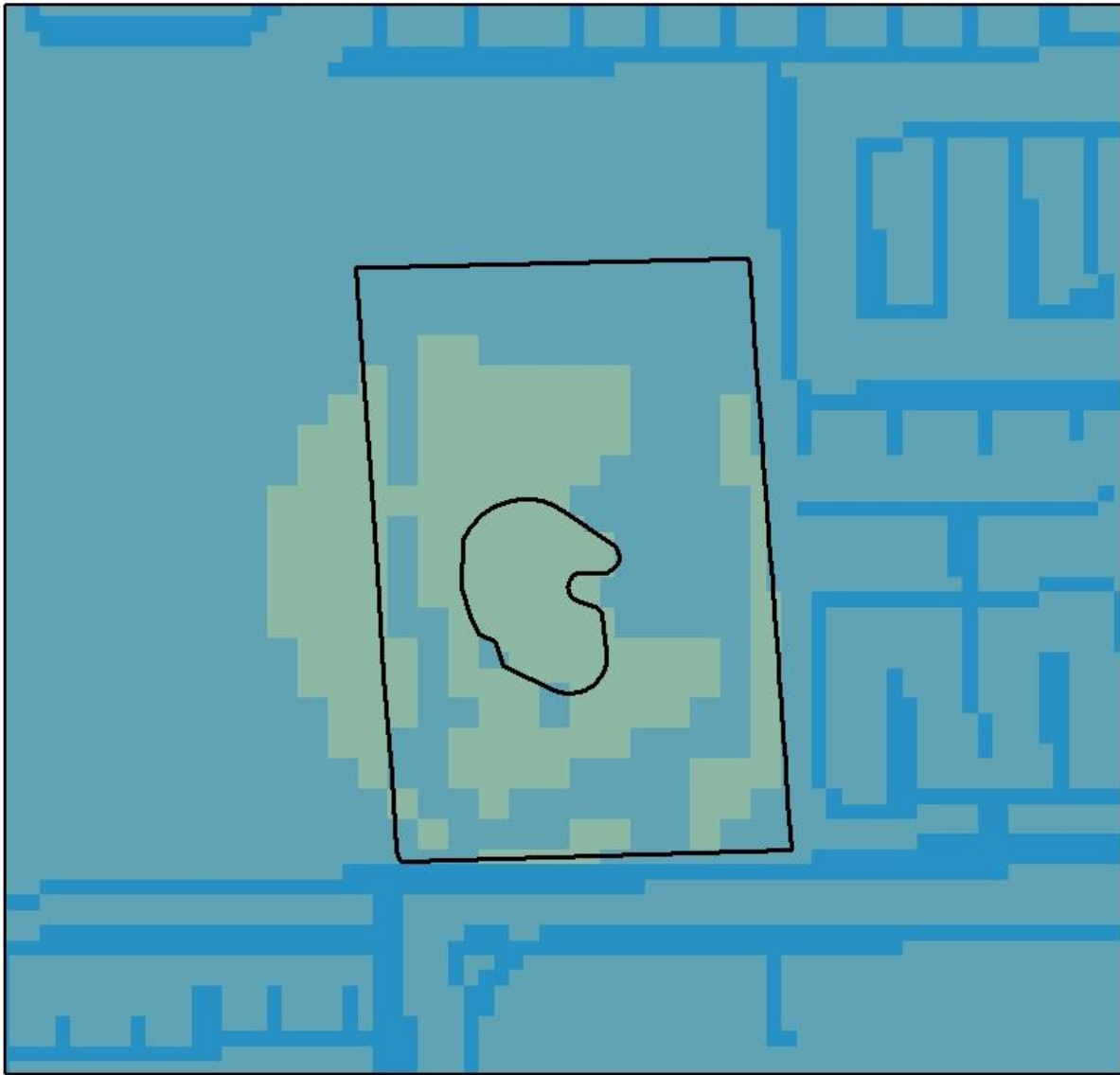


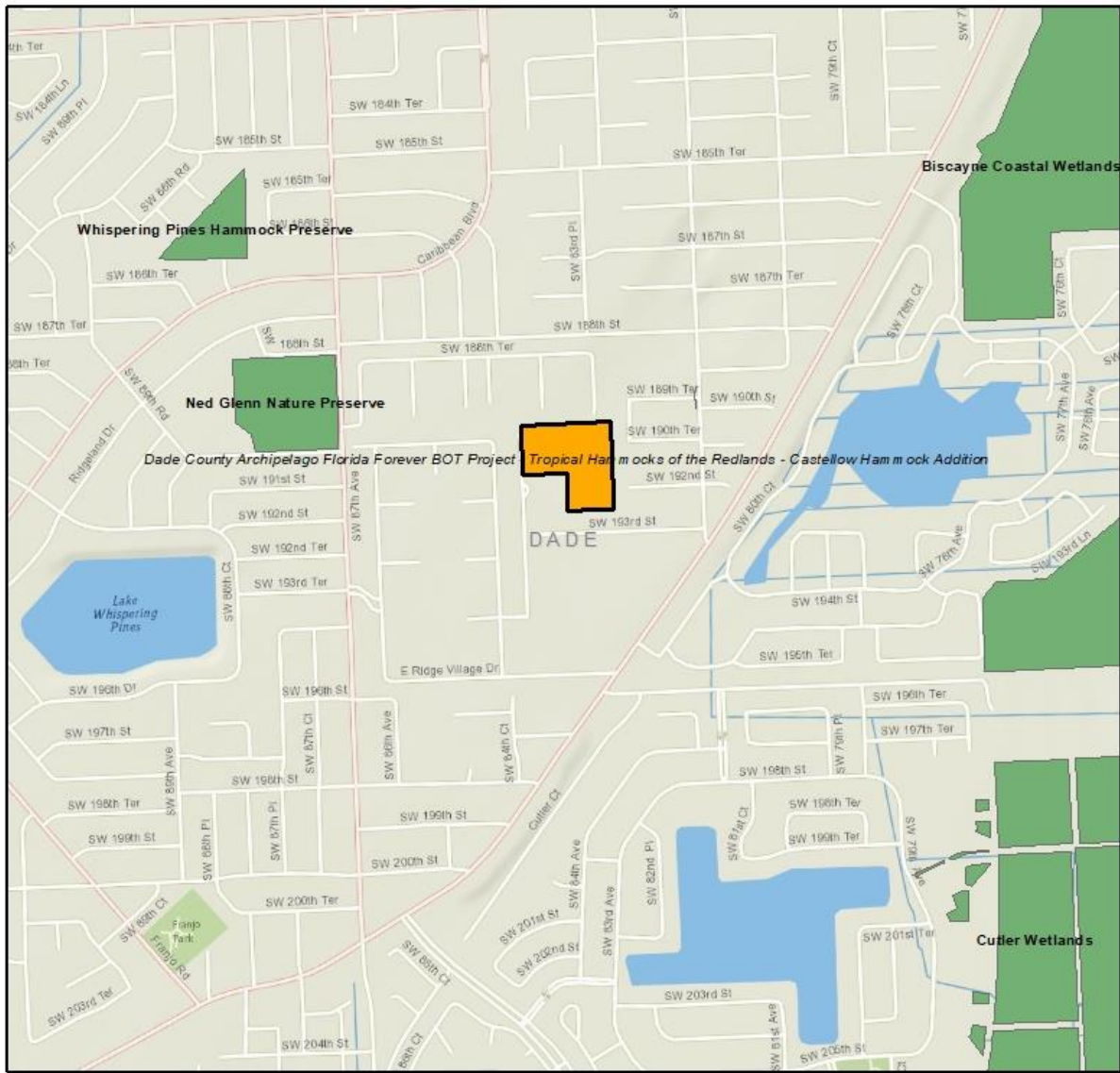
0 0.05 0.1 0.15 0.2 Miles

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### Soil Types

- Plantation muck, frequently ponded
- Udorthents-Water-Urban land complex
- Water





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Florida Forever Project**  
Dade County  
219 Remaining Acres



0 0.1 0.2 0.3 0.4 Miles

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0 0.05 0.1 0.15 0.2 Miles

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**Aerial Imagery**



Dade County Archipelago



**Dade County Archipelago**  
**Florida Forever Project**  
 Dade County  
 219 Remaining Acres

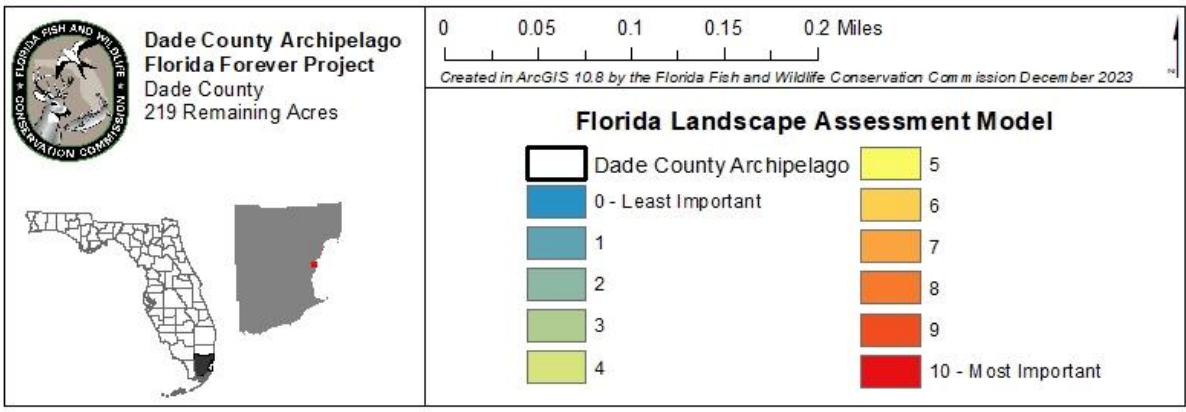
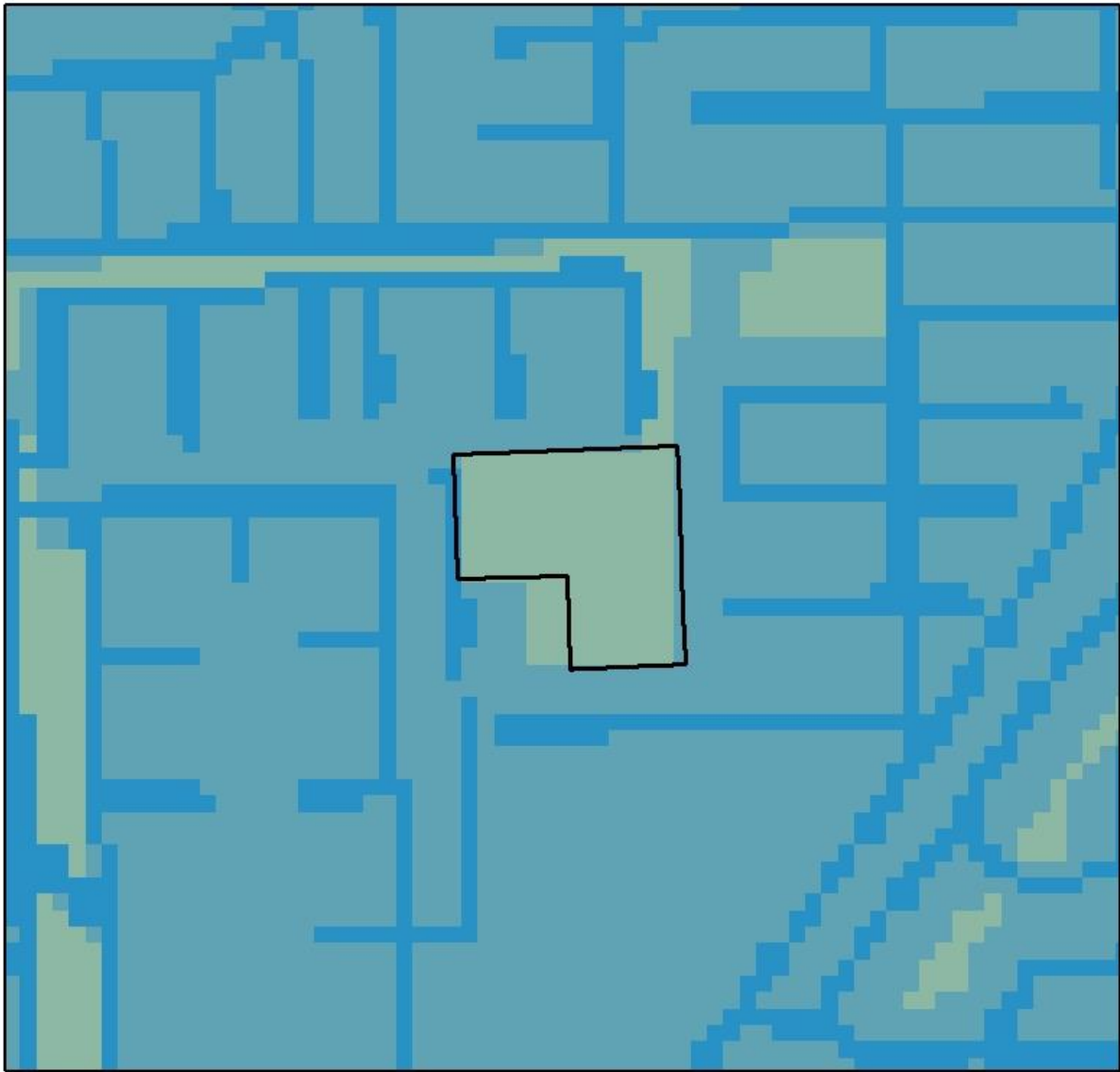


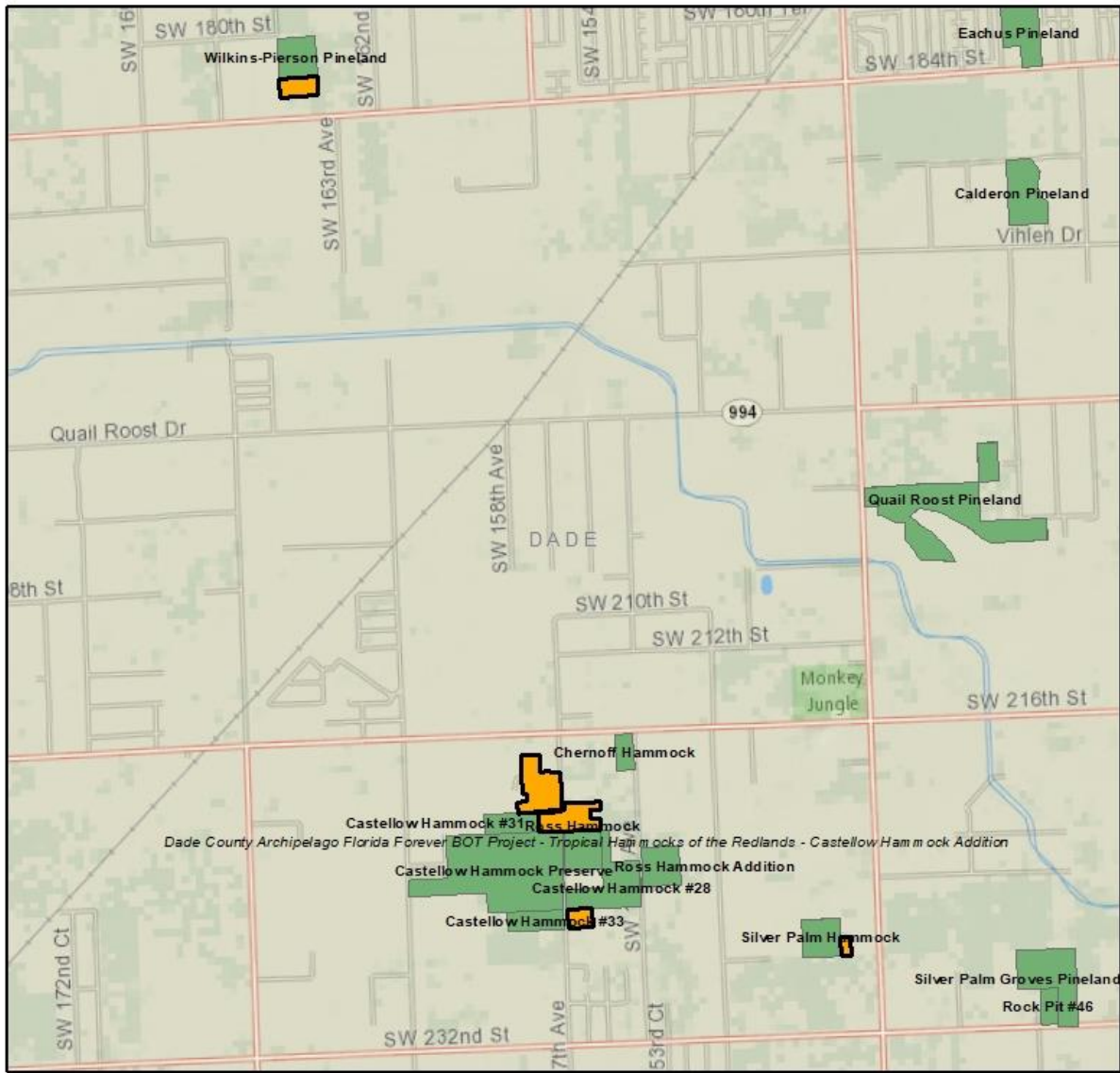
0 0.05 0.1 0.15 0.2 Miles

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**Cooperative Land Cover**

-  High Intensity Urban
-  Low Intensity Urban
-  Transportation





**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres

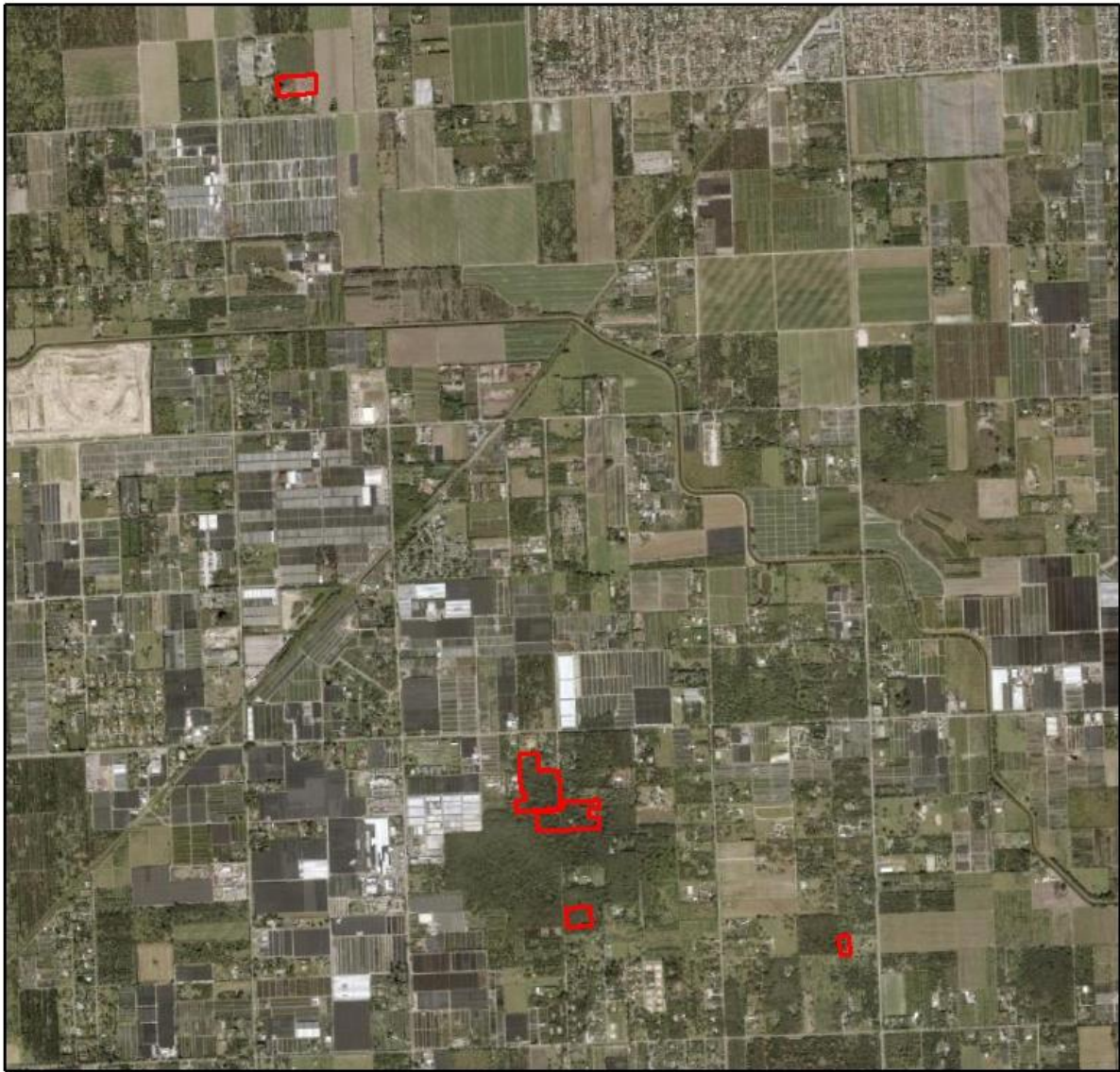


0 0.25 0.5 0.75 1 Miles

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#### Vicinity Map

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**Dade County Archipelago**  
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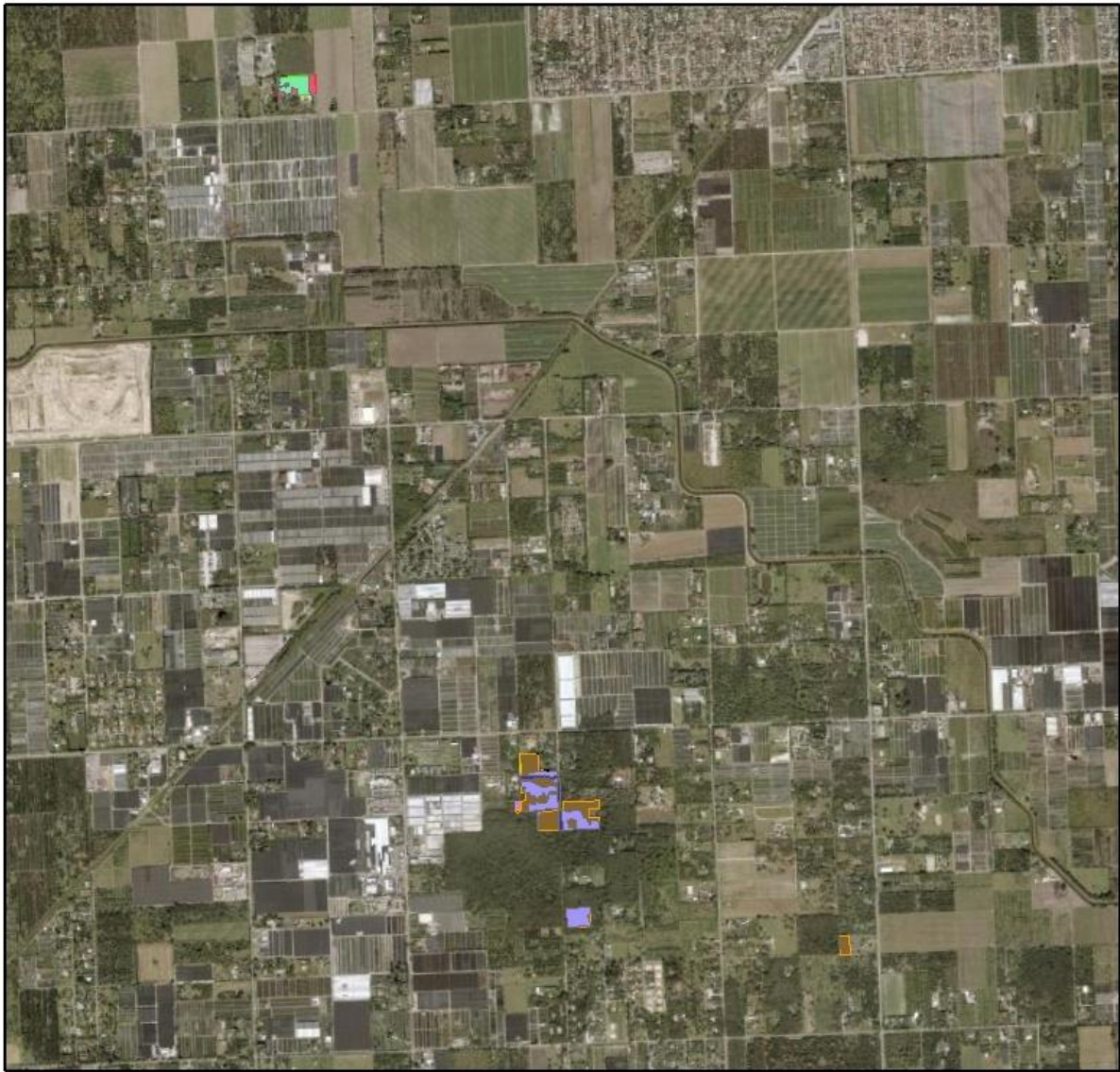


0 0.25 0.5 0.75 1 Miles

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**Aerial Imagery**

 Dade County Archipelago



**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres

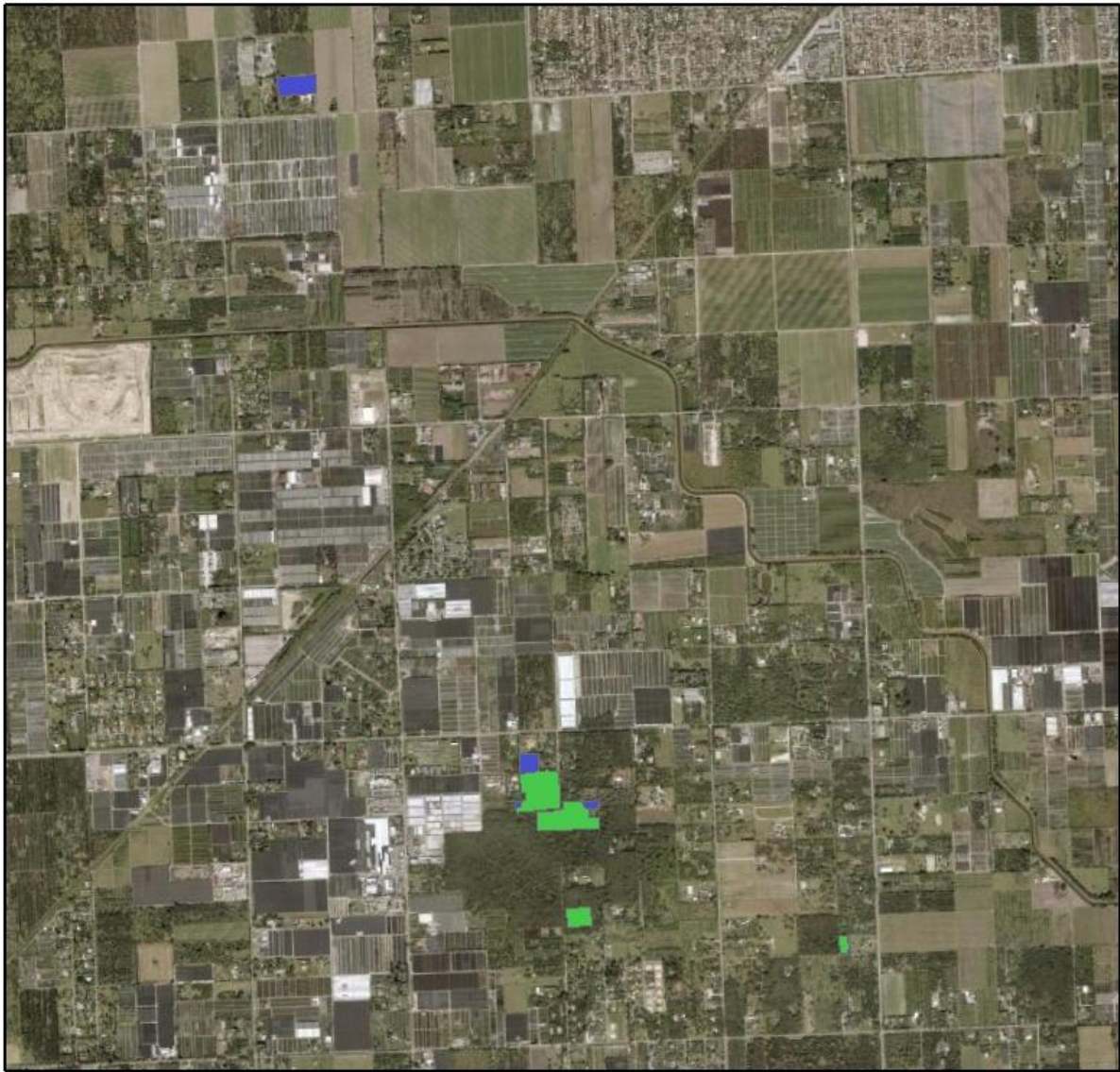


0 0.25 0.5 0.75 1 Miles

*Created in ArcGIS 10.8 by the Florida Fish and Wildlife Conservation Commission December 2023*

#### Cooperative Land Cover

|                                                                                     |                  |                                                                                       |                        |
|-------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|------------------------|
|  | Cropland/Pasture |  | Rural                  |
|  | Mesic Hammock    |  | Shrub and Brushland    |
|  | Orchards/Groves  |  | Transportation         |
|  | Pine Rockland    |  | Vineyard and Nurseries |
|  | Rockland Hammock |                                                                                       |                        |



**Dade County Archipelago  
Florida Forever Project  
Dade County  
219 Remaining Acres**

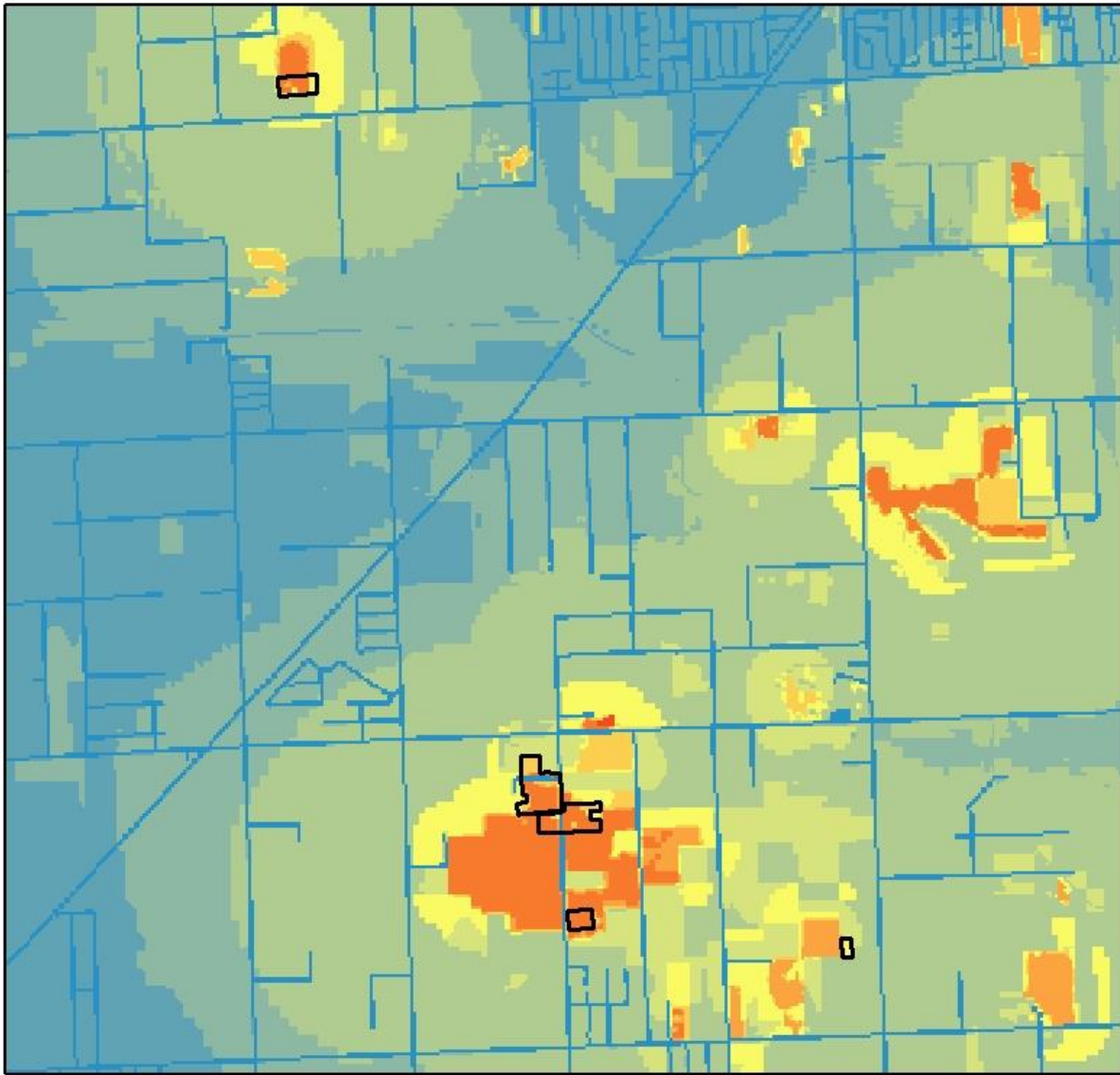


0 0.25 0.5 0.75 1 Miles

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### Soil Types

- Cardsound marly silty clay loam-Rock outcrop complex
- Gator Lake muck
- Krome very gravelly marly loam
- Krome very gravelly marly loam-Urban land complex



**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres



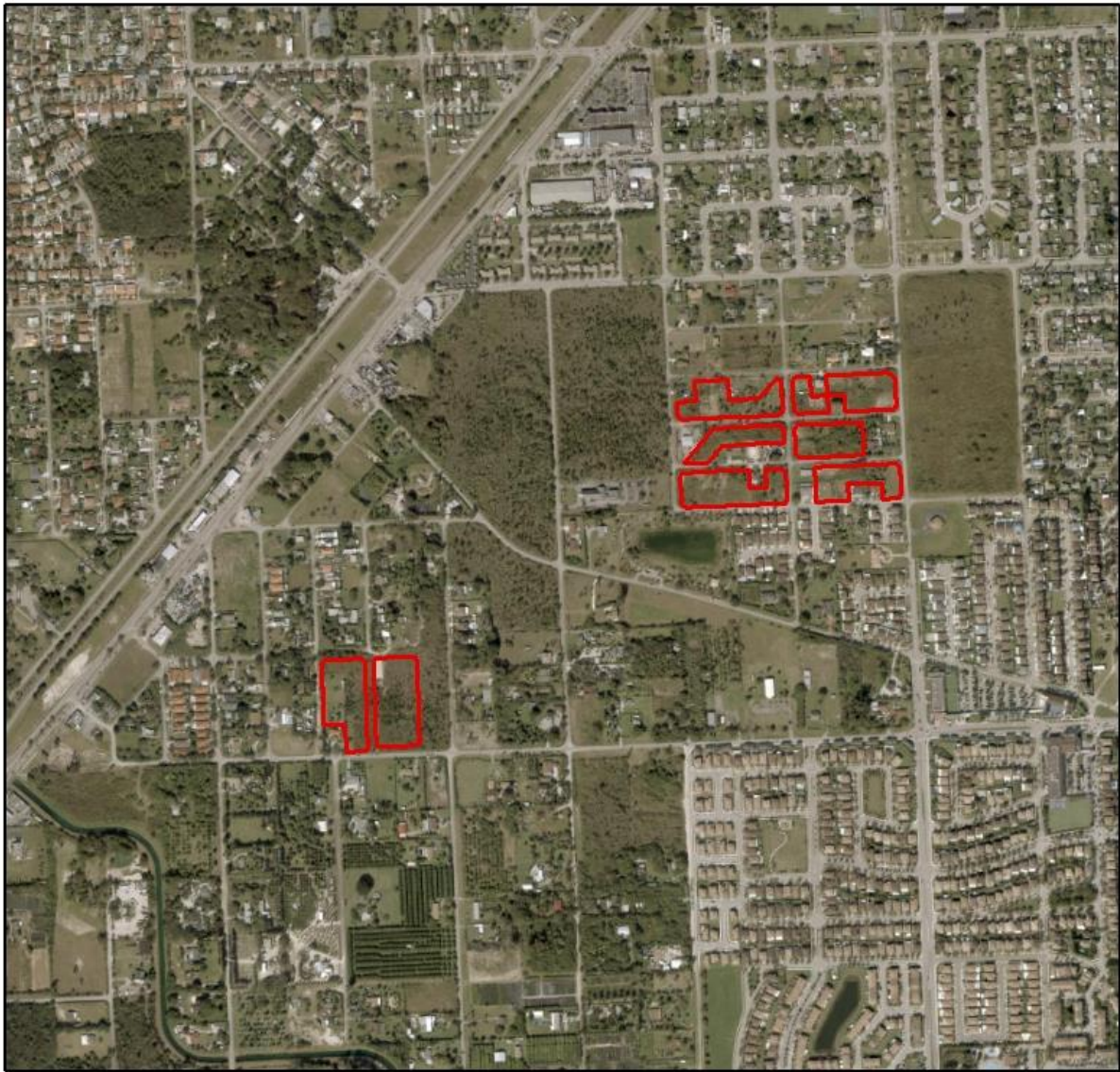
0 0.25 0.5 0.75 1 Miles

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#### Florida Landscape Assessment Model







**Dade County Archipelago**  
**Florida Forever Project**  
 Dade County  
 219 Remaining Acres



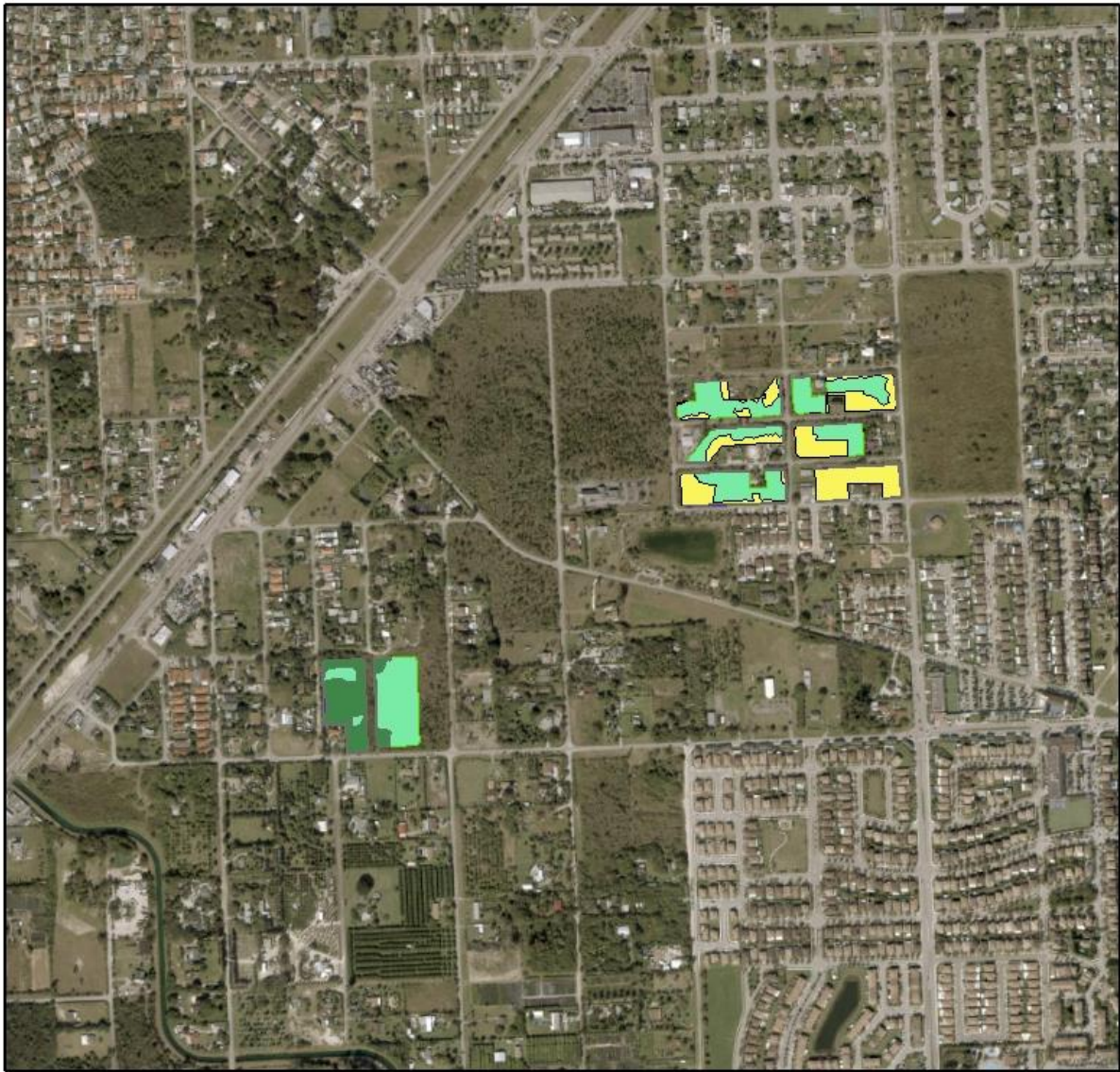
0 0.1 0.2 0.3 0.4 Miles

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**Aerial Imagery**

 Dade County Archipelago



**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres

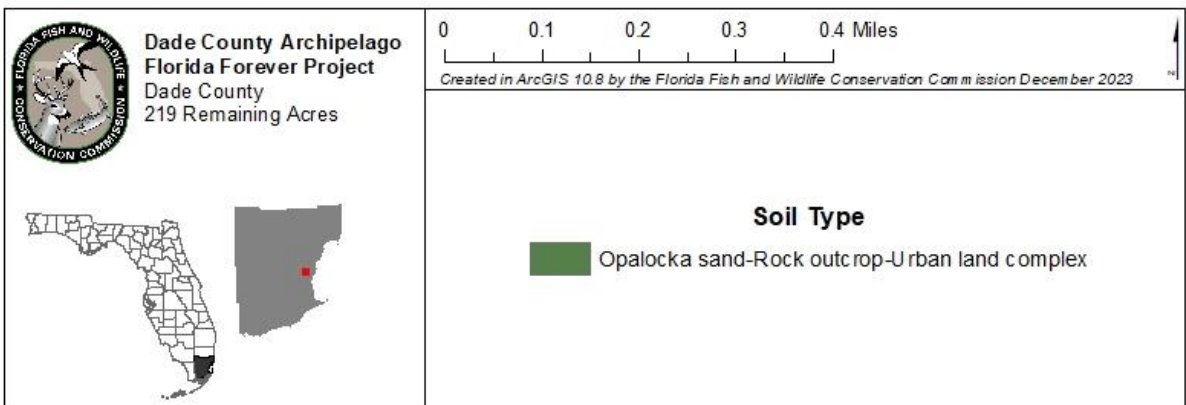


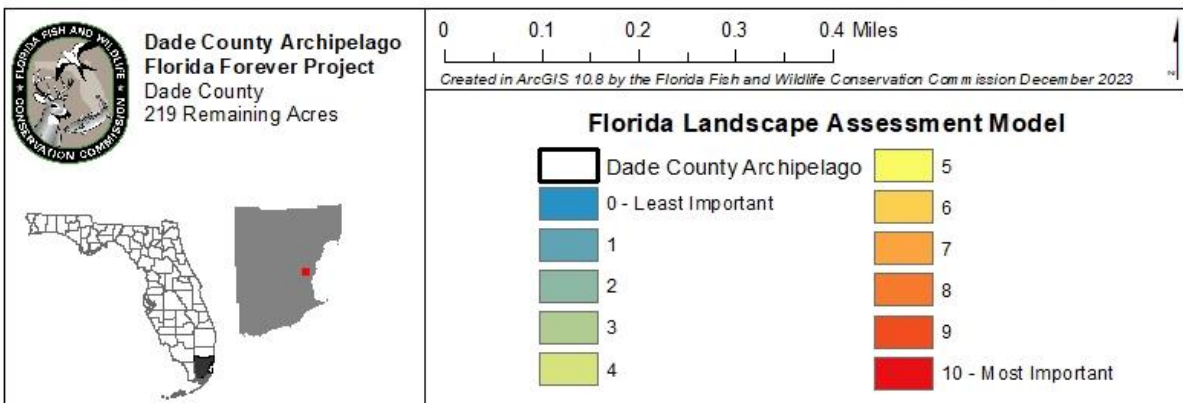
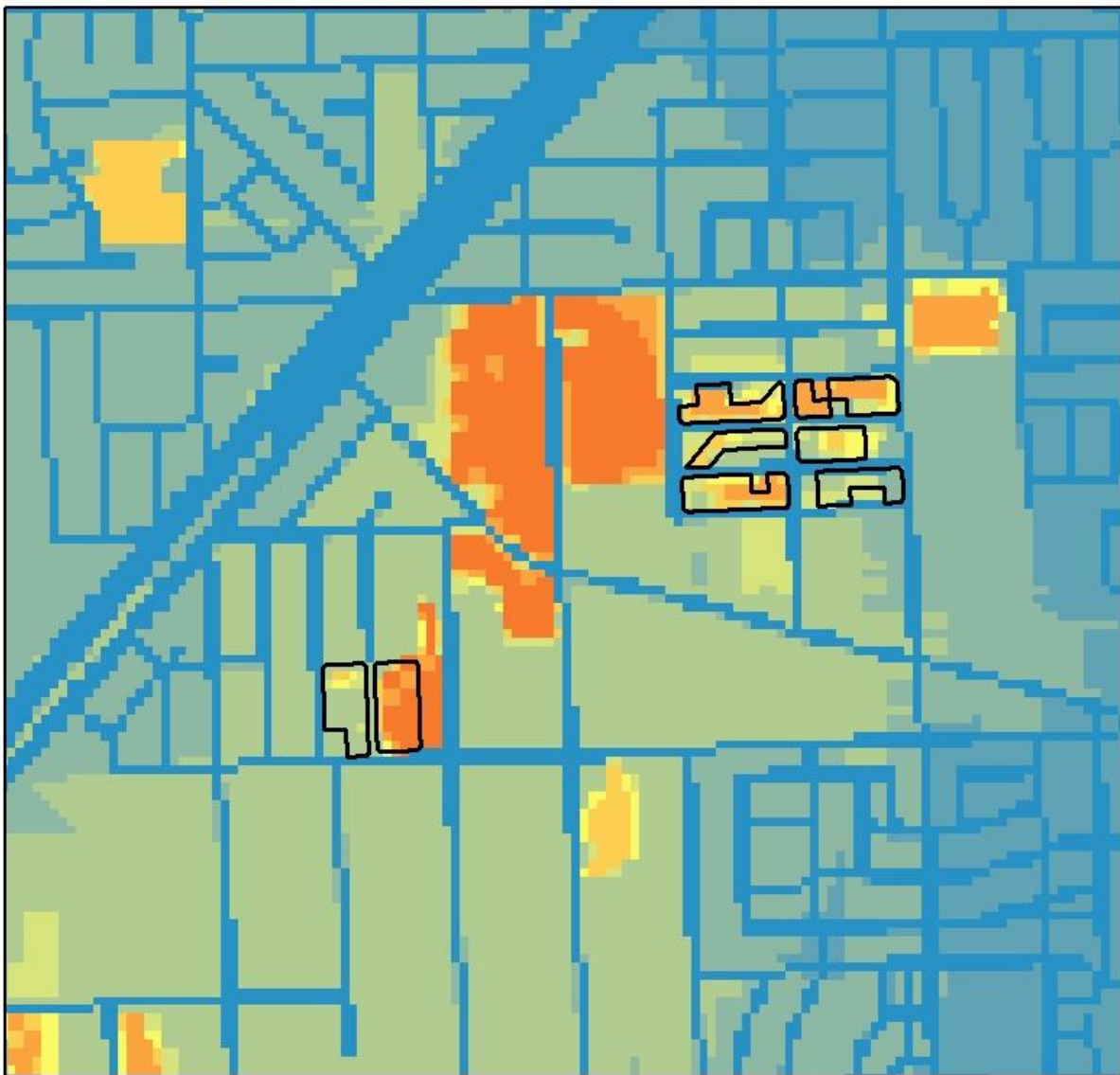
0 0.1 0.2 0.3 0.4 Miles

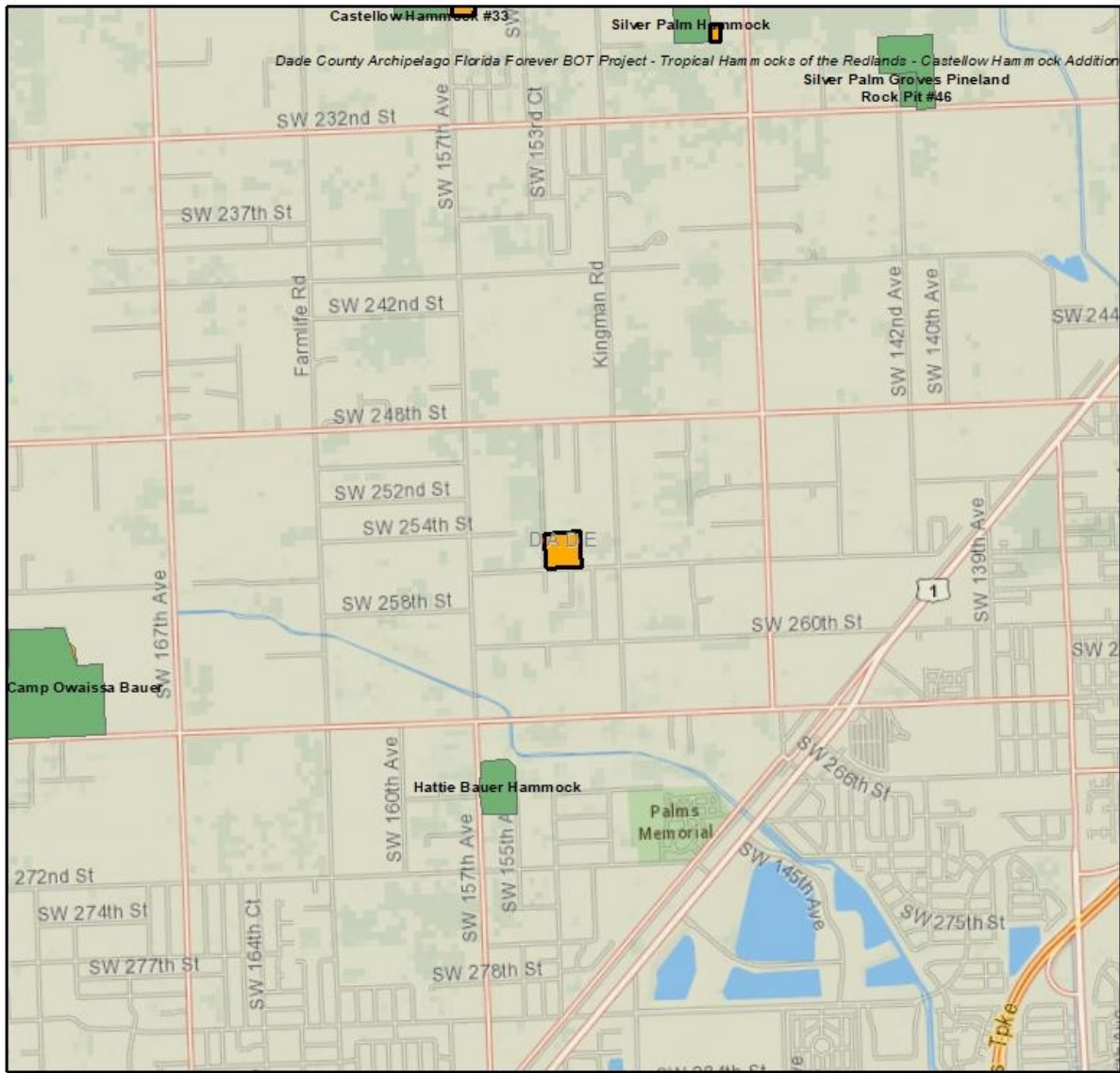
*Created in ArcGIS 10.8 by the Florida Fish and Wildlife Conservation Commission December 2023*

#### Cooperative Land Cover









**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres



0 0.25 0.5 0.75 1 Miles

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#### Vicinity Map

-  Dade County Archipelago
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-  Conservation Lands
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**Dade County Archipelago**  
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 Dade County  
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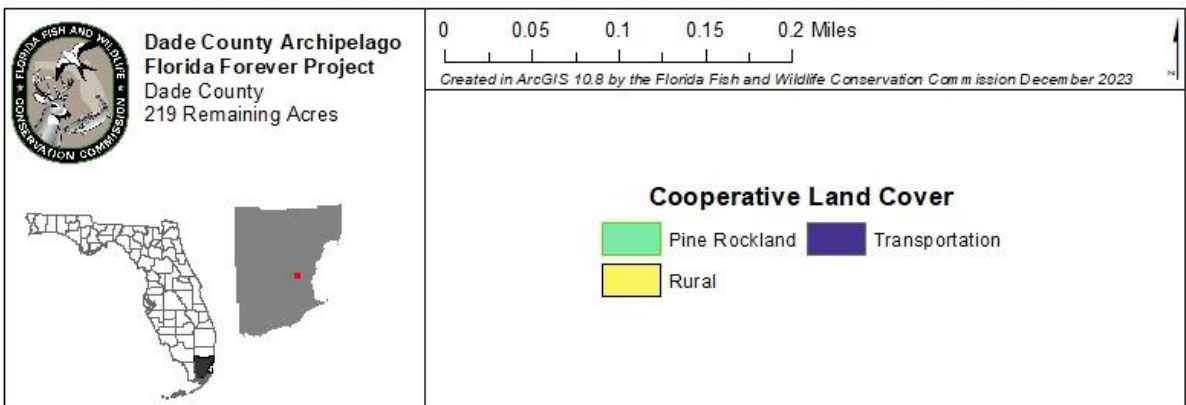
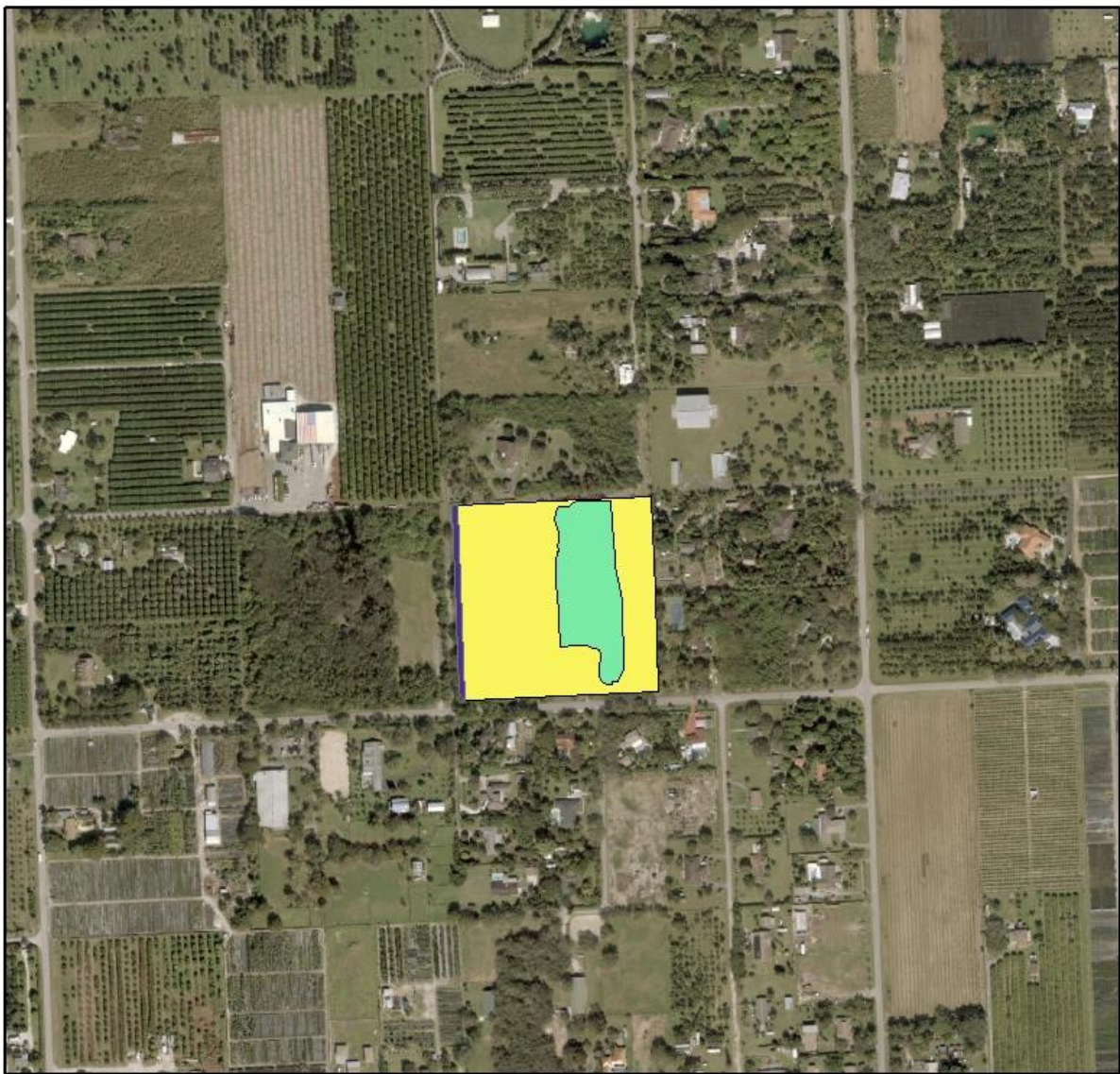


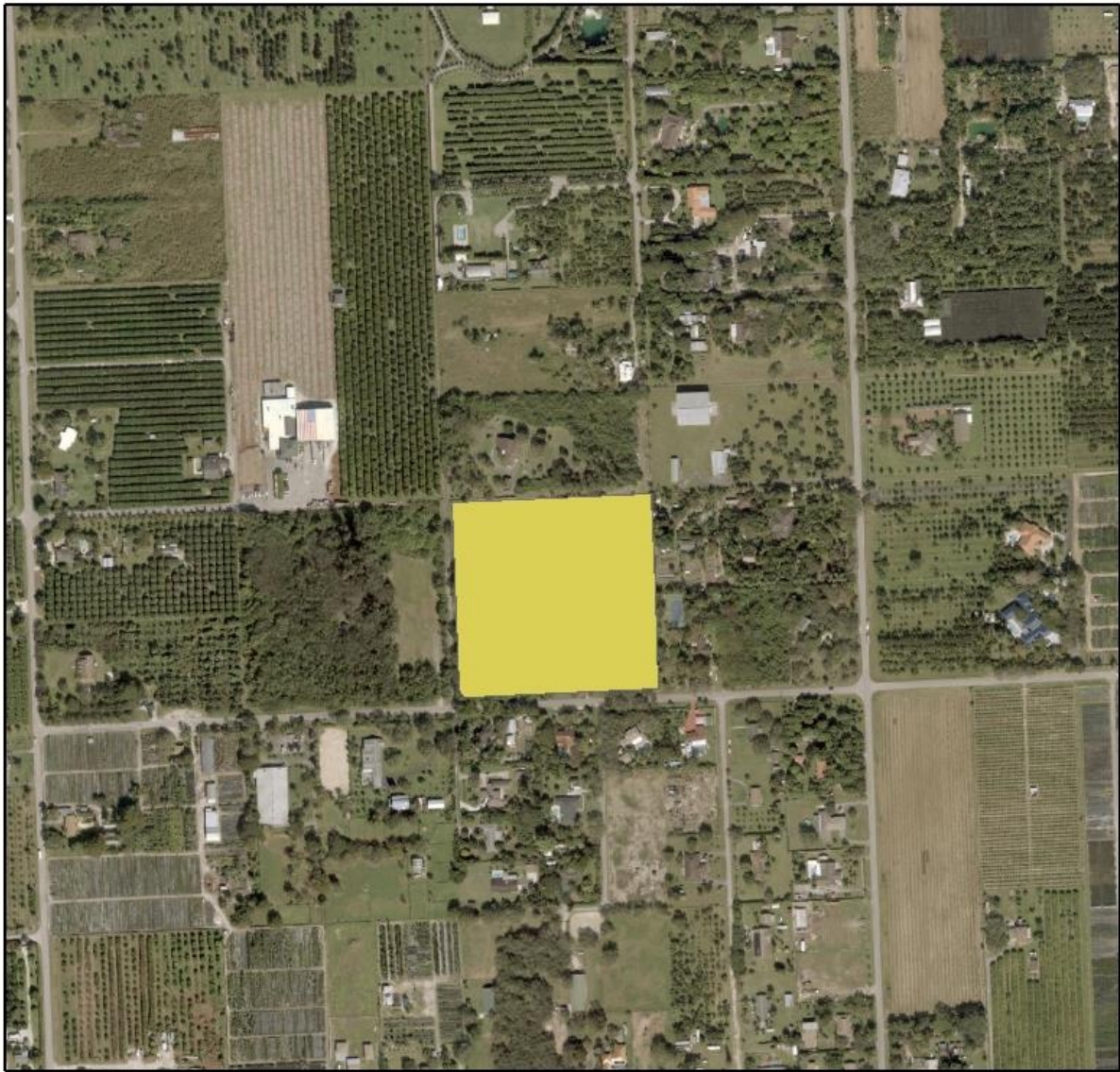
0 0.05 0.1 0.15 0.2 Miles

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**Aerial Imagery**

 Dade County Archipelago





**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres



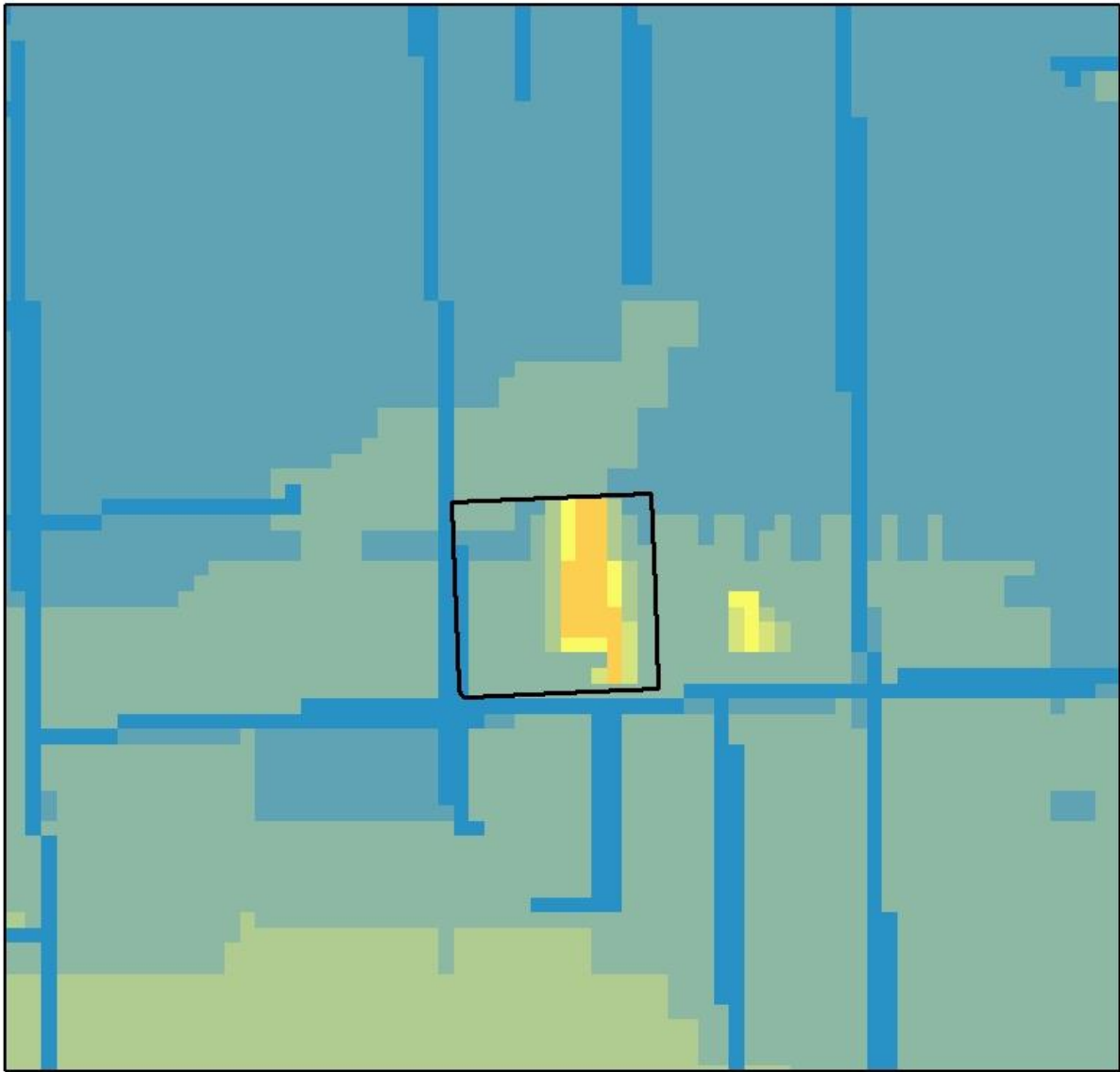
0 0.05 0.1 0.15 0.2 Miles

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### Soil Type



Cardsound marly silty clay loam-Rock outcrop-Urban land complex



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**Florida Forever Project**  
 Dade County  
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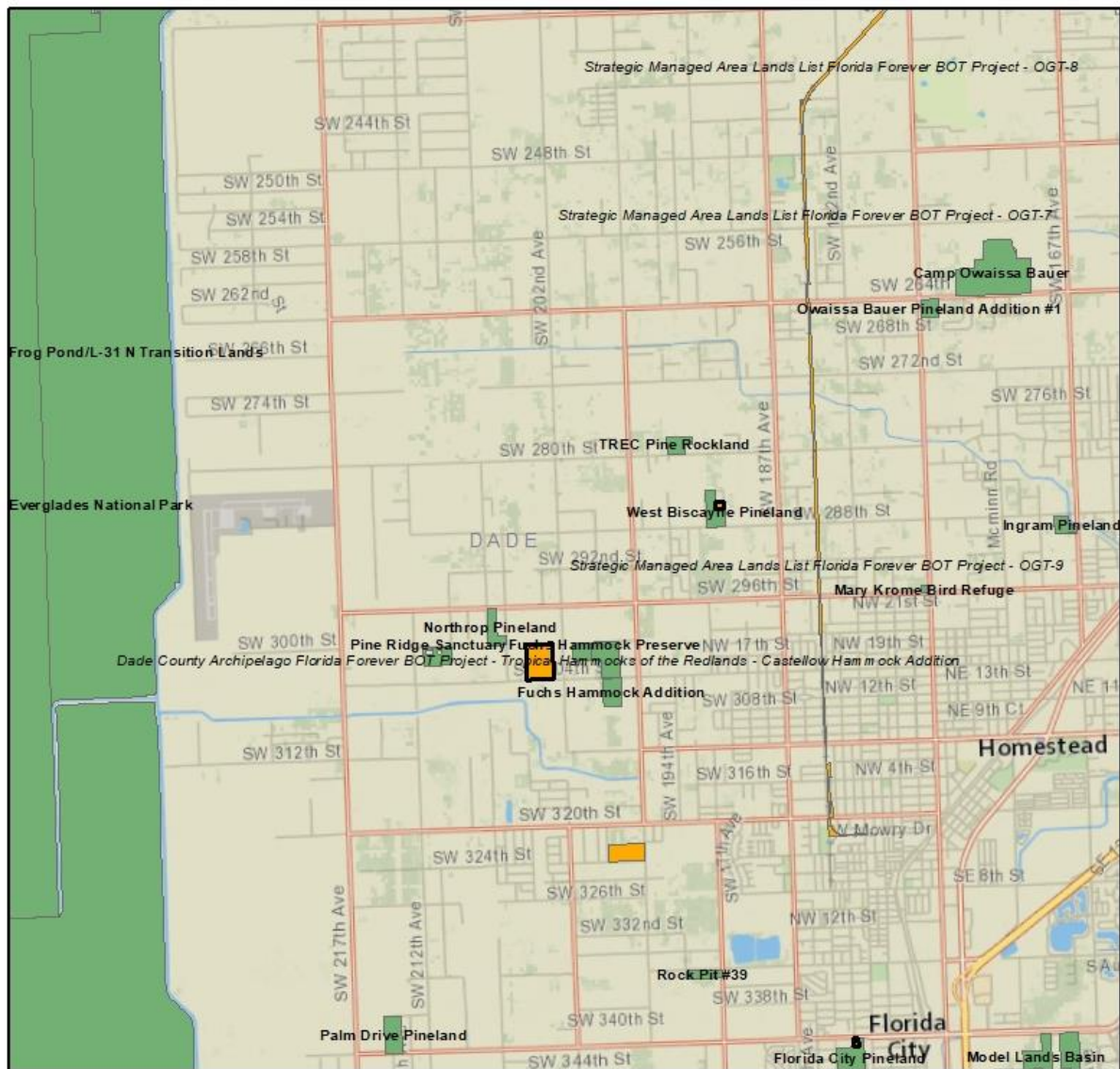


0 0.05 0.1 0.15 0.2 Miles

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#### Florida Landscape Assessment Model





**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres

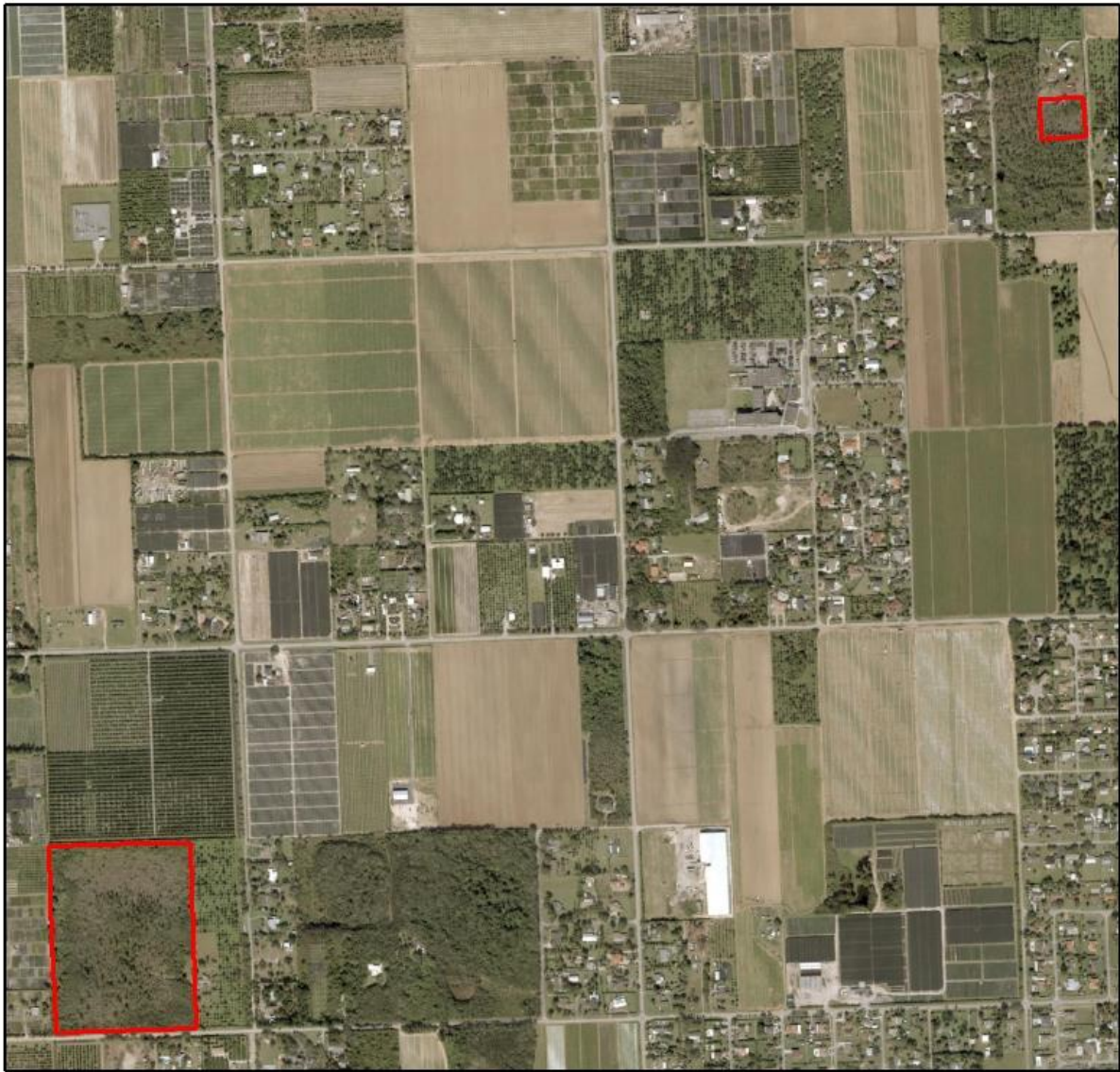


0 1 2 3 4 Miles

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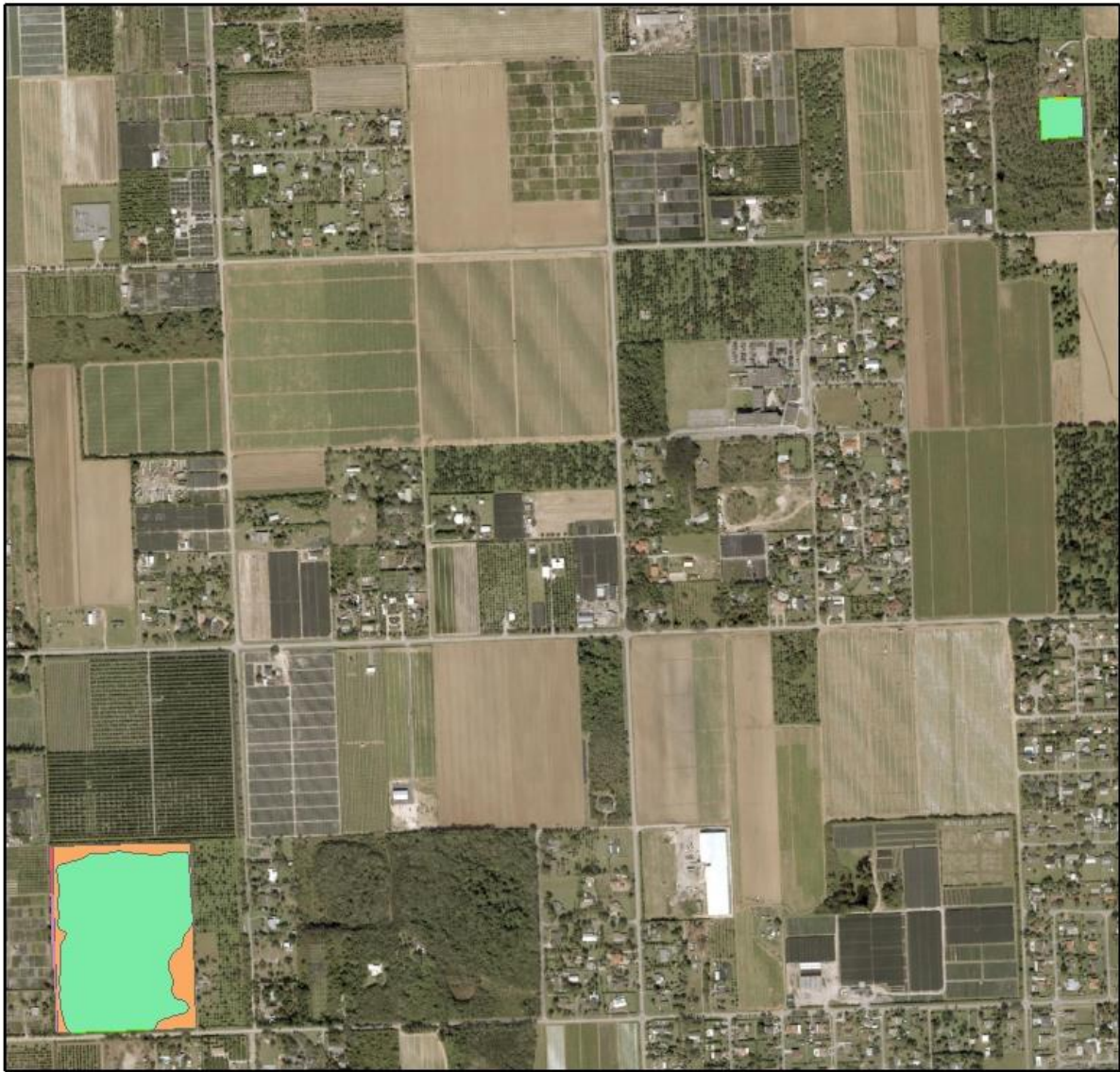
0 0.1 0.2 0.3 0.4 Miles

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**Aerial Imagery**

 Dade County Archipelago



**Dade County Archipelago  
Florida Forever Project  
Dade County  
219 Remaining Acres**

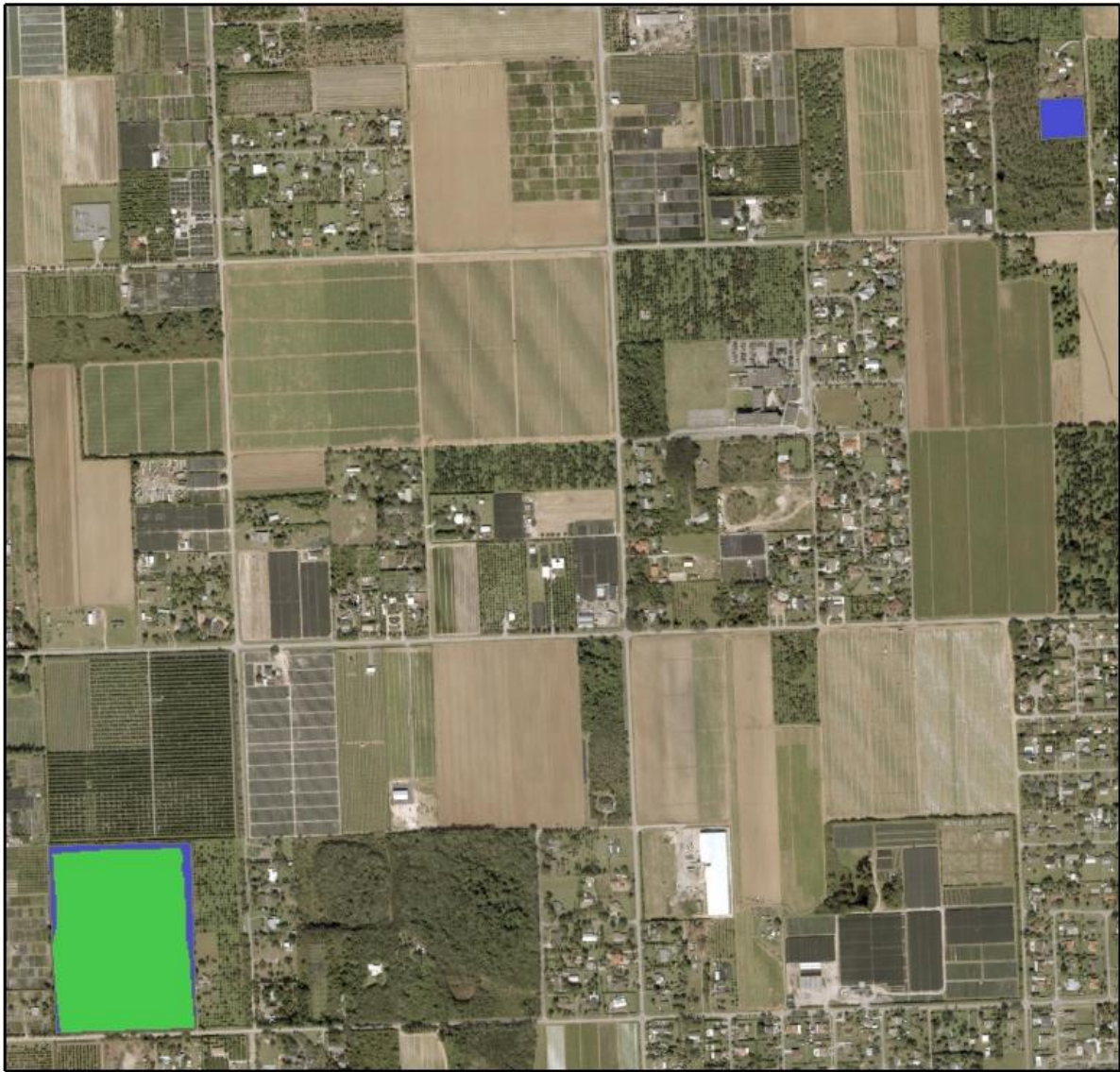


0 0.1 0.2 0.3 0.4 Miles

*Created in ArcGIS 10.8 by the Florida Fish and Wildlife Conservation Commission December 2023*

#### Cooperative Land Cover

|                                                                                     |                  |                                                                                       |                        |
|-------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|------------------------|
|  | Orchards/Groves  |  | Shrub and Brushland    |
|  | Palmetto Prairie |  | Transportation         |
|  | Pine Rockland    |  | Vineyard and Nurseries |



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Dade County  
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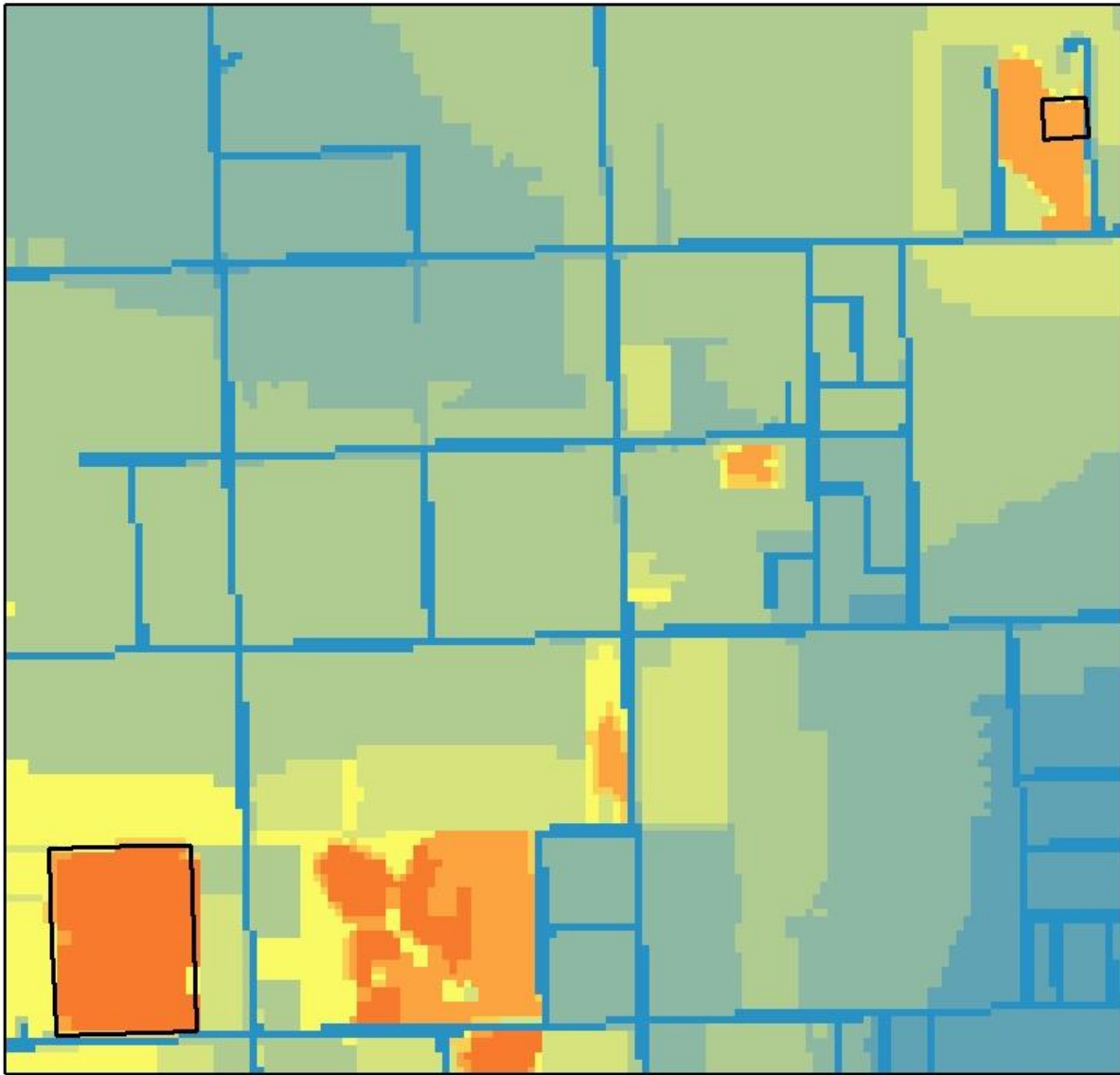


0 0.1 0.2 0.3 0.4 Miles

*Created in ArcGIS 10.8 by the Florida Fish and Wildlife Conservation Commission December 2023*

### Soil Types

- Cardsound marly silty clay loam-Rock outcrop complex
- Krome very gravelly marly loam



**Dade County Archipelago**  
**Florida Forever Project**  
 Dade County  
 219 Remaining Acres



0 0.1 0.2 0.3 0.4 Miles

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#### Florida Landscape Assessment Model







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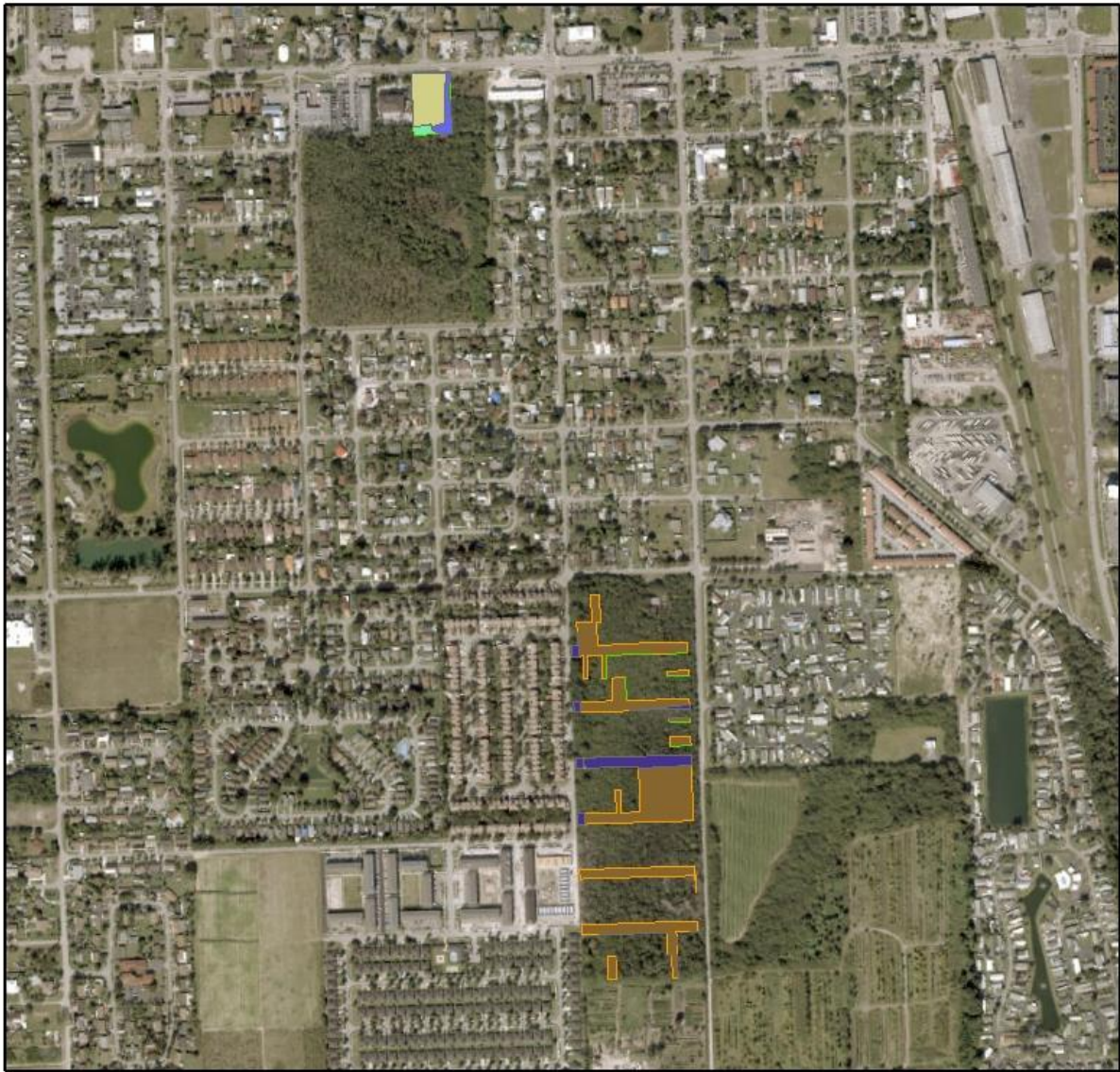


0 0.1 0.2 0.3 0.4 Miles

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**Aerial Imagery**

 Dade County Archipelago



**Dade County Archipelago  
Florida Forever Project**  
Dade County  
219 Remaining Acres



0 0.1 0.2 0.3 0.4 Miles

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#### Cooperative Land Cover

|                                                                                                          |                                                                                                        |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|  Exotic Plants        |  Pine Rockland    |
|  High Intensity Urban |  Rockland Hammock |
|  Mesic Hammock        |  Transportation   |



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0 0.1 0.2 0.3 0.4 Miles

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### Soil Types

- Biscayne gravelly marly silt loam, drained-Urban land complex
- Cardsound marly silty clay loam-Rock outcrop complex
- Cardsound marly silty clay loam-Rock outcrop-Urban land complex
- Krome very gravelly marly loam-Urban land complex



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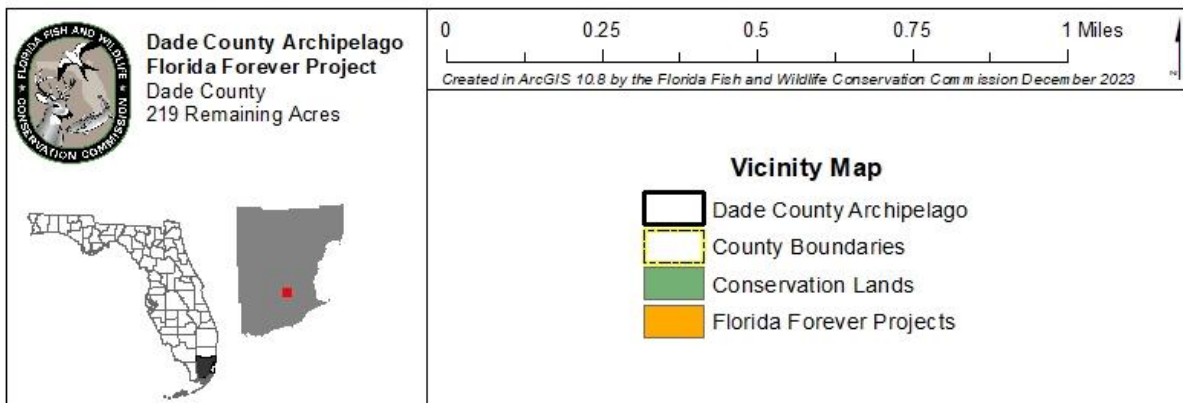
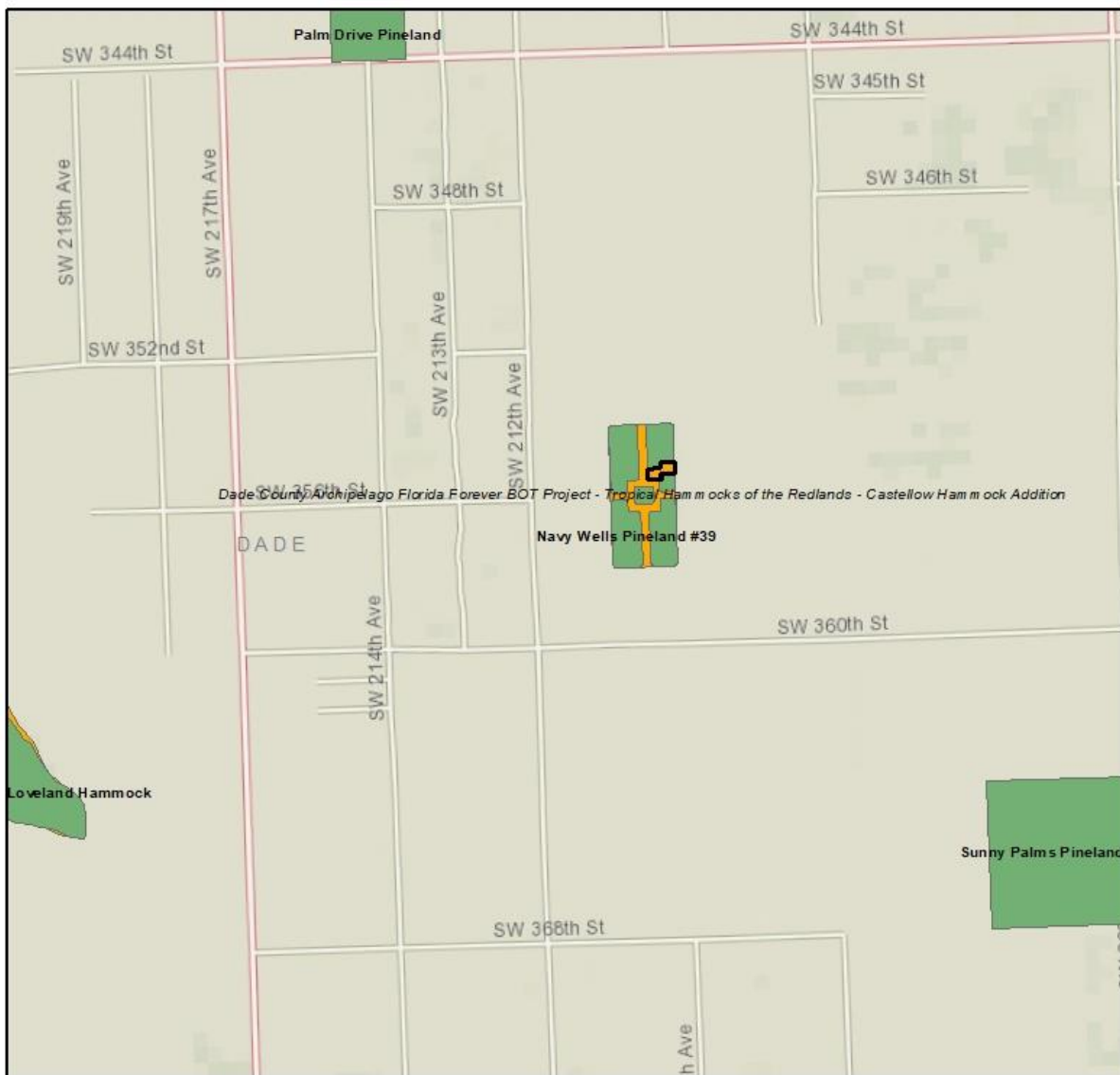


0 0.1 0.2 0.3 0.4 Miles

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### Florida Landscape Assessment Model







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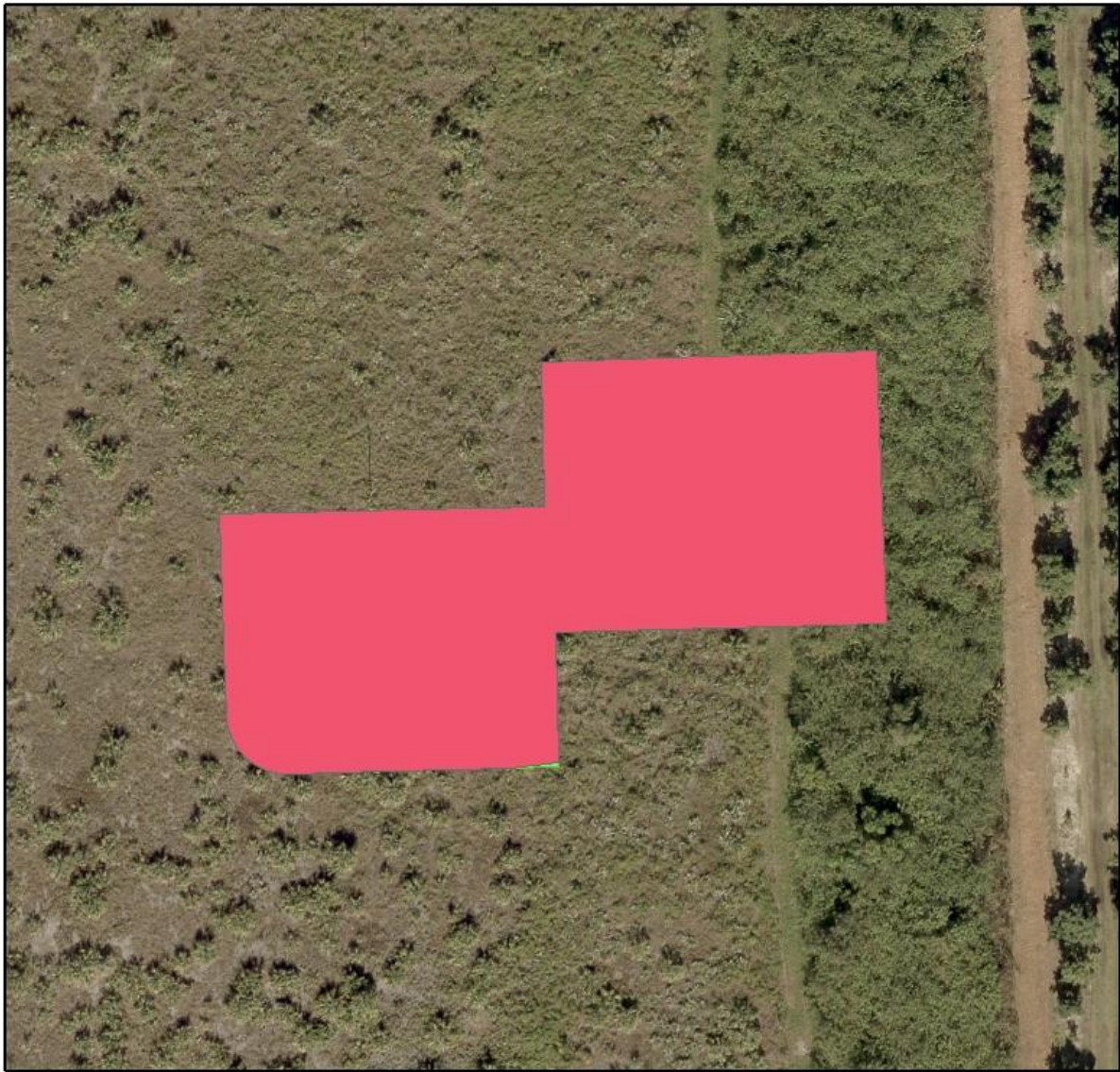


0 0.005 0.01 0.015 0.02 Miles

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**Aerial Imagery**

 Dade County Archipelago



**Dade County Archipelago**  
**Florida Forever Project**  
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0 0.005 0.01 0.015 0.02 Miles

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### Cooperative Land Cover



Pine Rockland



Shrub and Brushland



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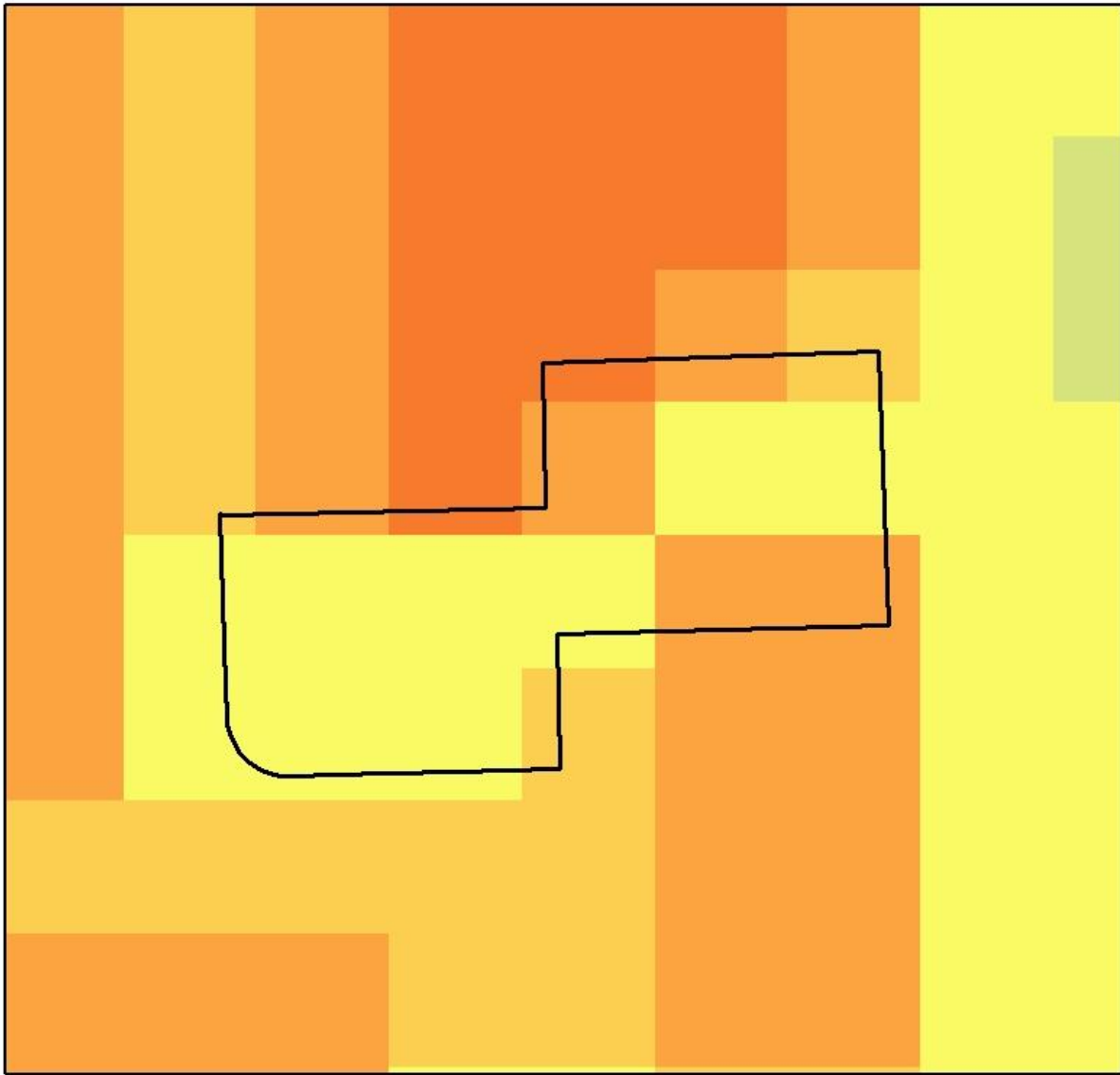
0 0.005 0.01 0.015 0.02 Miles

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#### Soil Type



Cardsound marly silty clay loam-Rock outcrop complex



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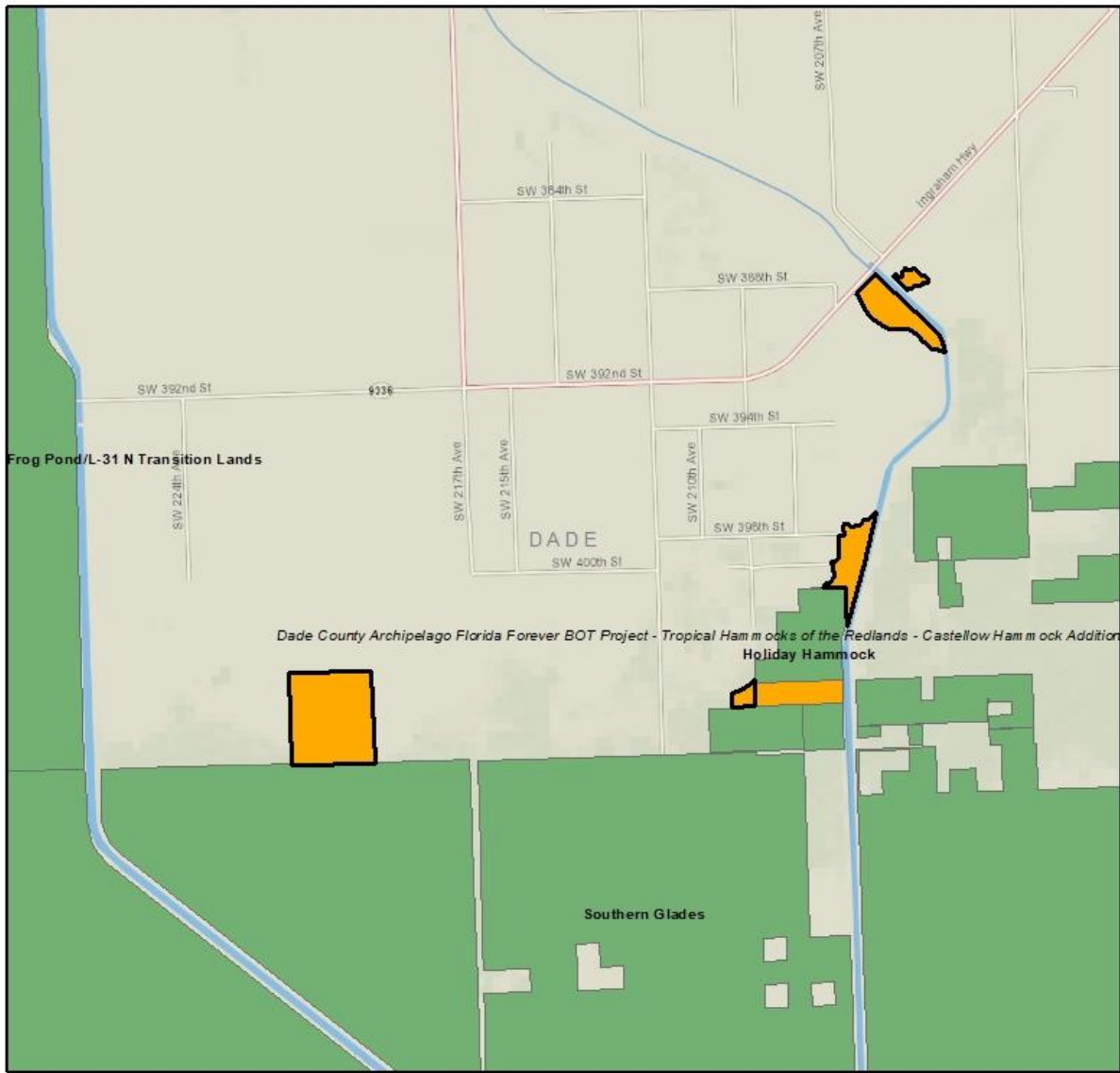


0 0.005 0.01 0.015 0.02 Miles

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### Florida Landscape Assessment Model





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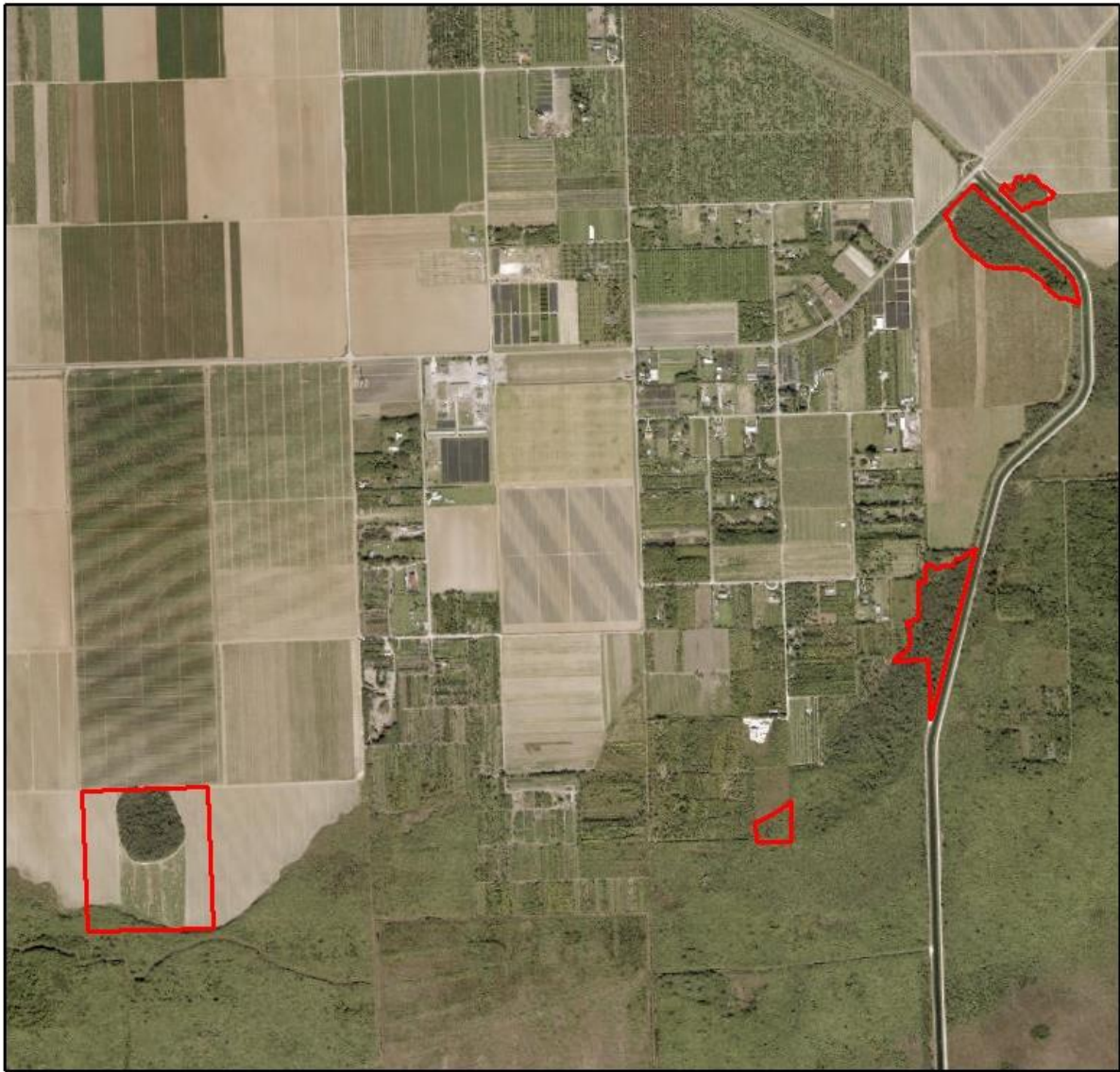


0 0.25 0.5 0.75 1 Miles

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#### Vicinity Map

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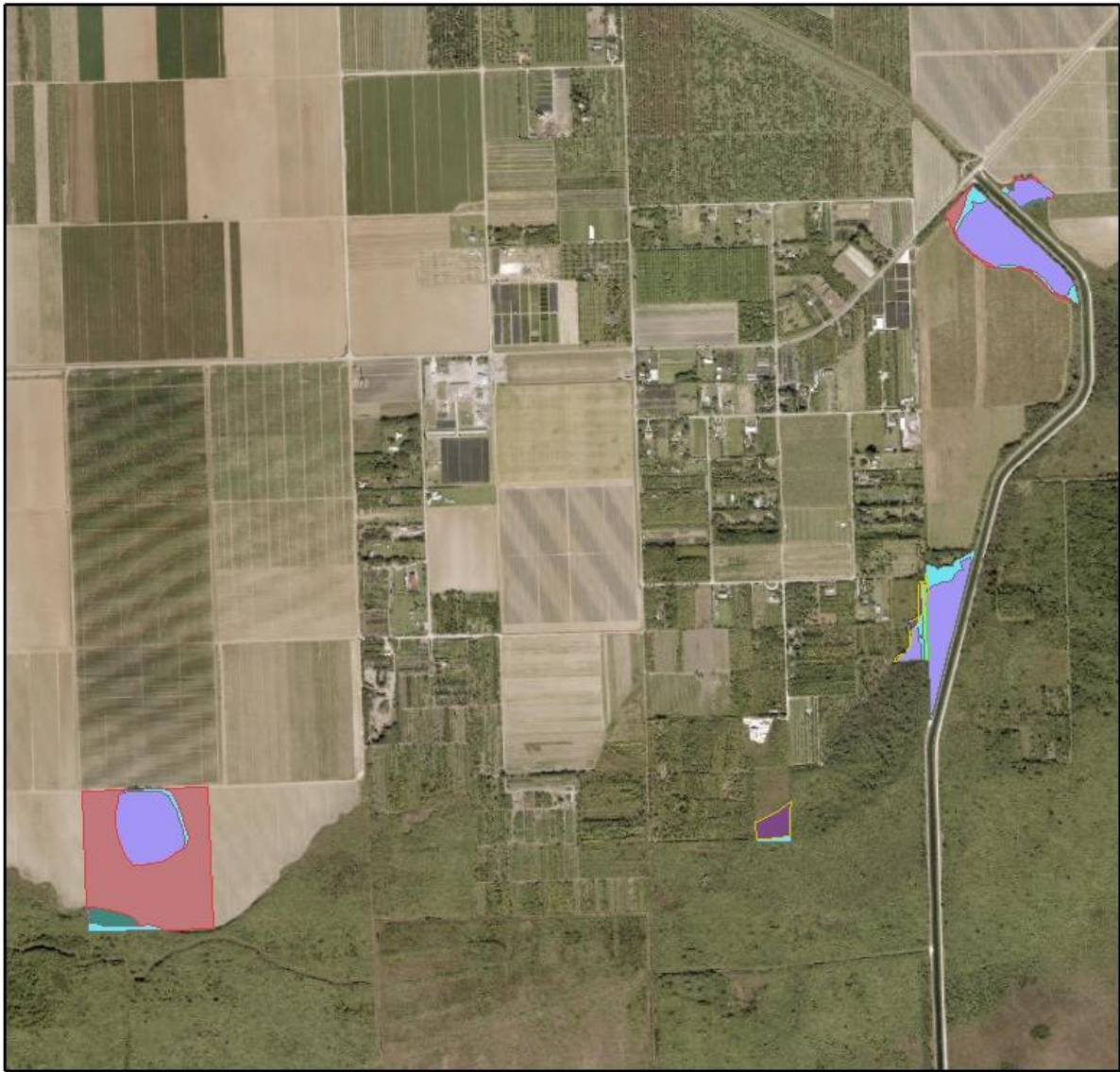


0 0.1 0.2 0.3 0.4 Miles

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**Aerial Imagery**

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0 0.1 0.2 0.3 0.4 Miles

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### Cooperative Land Cover

|                                                                                                                  |                                                                                                         |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|  Cropland/Pasture             |  Pine Rockland     |
|  Freshwater Forested Wetlands |  Prairies and Bogs |
|  Marshes                      |  Rockland Hammock  |
|  Orchards/Groves              |  Transportation    |



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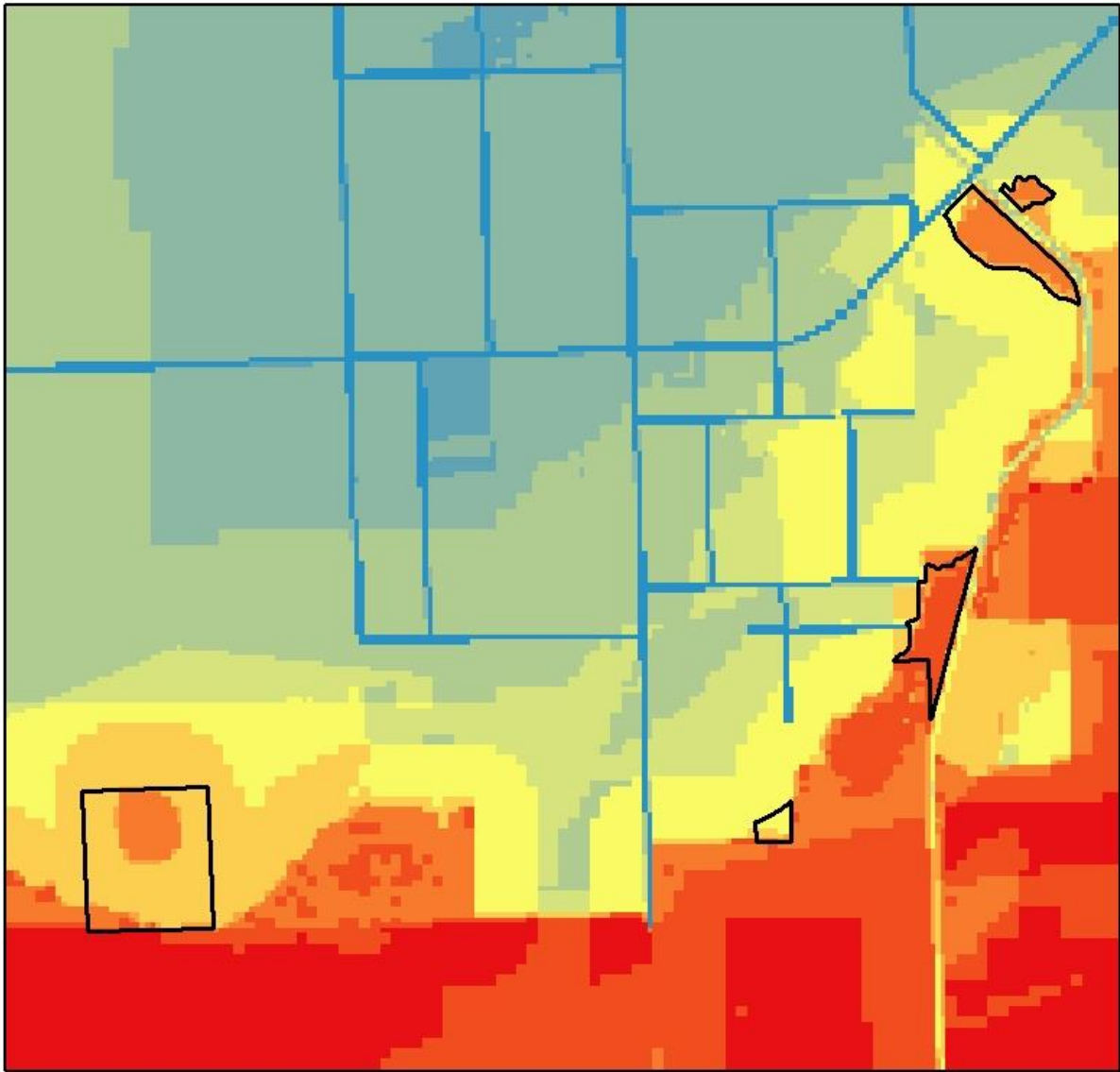


0 0.1 0.2 0.3 0.4 Miles

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### Soil Types

- Biscayne marly silt loam, drained
- Chekika very gravelly marly loam
- Gator Lake muck
- Krome very gravelly marly loam
- Perrine marly silt loam, drained
- Water



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0 0.1 0.2 0.3 0.4 Miles

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#### Soil Types



| FWC Florida Landscape Assessment Model 2019 |       |       |
|---------------------------------------------|-------|-------|
|                                             | Value | Acres |
|                                             | 0     | 4.2   |
|                                             | 1     | 37.0  |
|                                             | 2     | 30.4  |
|                                             | 3     | 5.9   |
|                                             | 4     | 3.4   |
|                                             | 5     | 31.7  |
|                                             | 6     | 17.0  |
|                                             | 7     | 13.4  |
|                                             | 8     | 65.7  |
|                                             | 9     | 8.7   |
|                                             | 10    | 0.3   |
|                                             |       |       |
| <b>Mean FLAM value =</b>                    | 5.0   |       |

Comments:

<sup>1</sup> FWC has developed a GIS-based assessment tool that incorporates a wide variety of land cover and wildlife species data. These wildlife species include imperiled species and locally important species. Application of this model assists in the identification and conservation of important wildlife habitats. The FLAM ranks the Florida landscape based upon important natural resources and habitat needs of wildlife as a way to identify ecologically significant lands in the state, and to assess the potential impacts of land development projects on wildlife populations. The FLAM is provided as part of the FWC's continuing technical assistance to various local, regional, state, and federal agencies, and entities interested in wildlife needs and conservation in order to: (1) determine ways to avoid or minimize project impacts by evaluating alternative placements, alignments, and transportation corridors during early planning stages, (2) assess direct, secondary, and cumulative impacts to habitat and wildlife resources, and (3) help identify appropriate parcels for land conservation, and for wetland and upland habitat mitigation.

# Environmental Resource Analysis

## FWC Land Conservation and Planning

**Analysis Shape Type: Polygon**

**Analysis Timestamp: 10252023 04:43:48**

**Shape Name: Unnamed polygon centered at -80.432615 °, 25.653684 °**

**Boundary Area: 218.94 acres**

**Buffer Area: 0 acres**

**Total Area: 218.94 acres**

### FWC Wildlife Data and Models

#### Cooperative Land Cover v3.6

| Name - State                 | Code - State | Name - Site                                       | Code - Site | Total Area (acres) | Percent of Area |
|------------------------------|--------------|---------------------------------------------------|-------------|--------------------|-----------------|
| Cropland/Pasture             | 18331        | Row Crops                                         | 183311      | 0.32               | 0.14 %          |
| Cropland/Pasture             | 18331        | Field Crops                                       | 183312      | 25.28              | 11.55 %         |
| High Intensity Urban         | 1822         | Commercial and Services                           | 18223       | 1.00               | 0.46 %          |
| Low Intensity Urban          | 1821         | Urban Open Land                                   | 18211       | 10.07              | 4.6 %           |
| High Intensity Urban         | 1822         | Residential, Med. Density - 2-5 Dwelling Units/AC | 18221       | 0.17               | 0.08 %          |
| Improved Pasture             | 183313       | Improved Pasture                                  | 183313      | 30.09              | 13.74 %         |
| High Intensity Urban         | 1822         | Residential, High Density > 5 Dwelling Units/AC   | 18222       | 0.01               | 0.01 %          |
| Transportation               | 1840         | Transportation                                    | 1840        | 4.29               | 1.96 %          |
| Vineyard and Nurseries       | 18334        | Ornamentals                                       | 183343      | 0.77               | 0.35 %          |
| Orchards/Groves              | 18332        | Citrus                                            | 183321      | 0.02               | 0.01 %          |
| Orchards/Groves              | 18332        | Pecan                                             | 183323      | 2.23               | 1.02 %          |
| Exotic Plants                | 7000         | Exotic Plants                                     | 7000        | 0.30               | 0.14 %          |
| Palmetto Prairie             | 1340         | Palmetto Prairie                                  | 1340        | 5.00               | 2.29 %          |
| Shrub and Brushland          | 1500         | Shrub and Brushland                               | 1500        | 2.26               | 1.03 %          |
| Pine Rockland                | 1320         | Pine Rockland                                     | 1320        | 40.25              | 18.39 %         |
| Mesic Hammock                | 1120         | Mesic Hammock                                     | 1120        | 19.17              | 8.76 %          |
| Rockland Hammock             | 1130         | Rockland Hammock                                  | 1130        | 37.32              | 17.04 %         |
| Low Intensity Urban          | 1821         | Low Intensity Urban                               | 1821        | 0.08               | 0.04 %          |
| Freshwater Forested Wetlands | 2200         | Mixed Wetland Hardwoods                           | 2233        | 5.96               | 2.72 %          |
| Cultural - Lacustrine        | 3200         | Artificial Impoundment/Reservoir                  | 3220        | 20.73              | 9.47 %          |
| Marshes                      | 2120         | Marshes                                           | 2120        | 0.05               | 0.02 %          |
| Rural                        | 1830         | Rural Structures                                  | 1832        | 12.08              | 5.52 %          |
| Prairies and Bogs            | 2110         | Mixed Scrub-Shrub Wetland                         | 2112        | 1.48               | 0.68 %          |
| TOTAL:                       |              |                                                   |             | 218.94             | 100 %           |

#### Critical Lands and Waters Identification Project (CLIP) Priority 1 and 2 - Terrestrial and Waters

| CLIP Priority          | Total Area (acres) | Percent of Area |
|------------------------|--------------------|-----------------|
| All other cells        | 62.90              | 28.73 %         |
| CLIP P1 in terrestrial | 140.16             | 64.02 %         |
| CLIP P2 in terrestrial | 1.81               | 0.82 %          |
| TOTAL:                 | 204.86             | 93.57 %         |

#### CLIP- Landscape Category

| Priority | Total Area (acres) | Percent of Area |
|----------|--------------------|-----------------|
| 0        | 157.80             | 72.07 %         |
| 2        | 60.32              | 27.55 %         |
| 5        | 0.82               | 0.37 %          |
| TOTAL:   | 218.94             | 100 %           |

#### CLIP- Biodiversity Category

| Priority | Total Area (acres) | Percent of Area |
|----------|--------------------|-----------------|
| 0        | 62.46              | 28.53 %         |
| 1        | 8.44               | 3.85 %          |
| 2        | 7.13               | 3.26 %          |
| 3        | 0.08               | 0.04 %          |
| 4        | 37.12              | 16.95 %         |
| 5        | 103.72             | 47.37 %         |
| TOTAL:   | 218.94             | 100 %           |

#### Priority FWC Strategic Habitat Conservation Areas 2021

| Priority | Total Area (acres) | Percent of Area |
|----------|--------------------|-----------------|
| 0        | 217.26             | 99.23 %         |
| 1        | 1.68               | 0.77 %          |
| 3        | 0.00               | 0 %             |
| TOTAL:   | 218.94             | 100 %           |

#### FWC Strategic Habitat Conservation Areas 2009

| Species 1                  | Species 2 | Species 3               | Species 4          | Species 5 | Species 6          | Total Area (acres) | Percent of Area |
|----------------------------|-----------|-------------------------|--------------------|-----------|--------------------|--------------------|-----------------|
| Florida panther            |           |                         |                    |           |                    | 1.32               | 0.6 %           |
| TOTAL:                     |           |                         |                    |           |                    | 1.32               | 0.6 %           |
| Panther location           |           |                         |                    |           |                    |                    |                 |
| DATE                       |           |                         |                    |           |                    | # Features         |                 |
| 4/25/1987 12:00:00 AM      |           |                         |                    |           |                    | 1                  |                 |
| TOTAL:                     |           |                         |                    |           |                    | 1                  |                 |
| Panther mortality          |           |                         |                    |           |                    |                    |                 |
| No Records Found           |           |                         |                    |           |                    |                    |                 |
| Panther Priority Habitat   |           |                         |                    |           |                    |                    |                 |
| ZONE                       |           | Total Area (acres)      |                    |           |                    | Percent of Area    |                 |
| Primary                    |           | 61.14                   |                    |           |                    | 27.93 %            |                 |
| TOTAL:                     |           | 61.14                   |                    |           |                    | 27.93 %            |                 |
| Bear Range                 |           |                         |                    |           |                    |                    |                 |
| Bear Range                 |           | Total Area (acres)      |                    |           |                    | Percent of Area    |                 |
| Rare                       |           | 218.94                  |                    |           |                    | 100 %              |                 |
| TOTAL:                     |           | 218.94                  |                    |           |                    | 100 %              |                 |
| Rare Fish                  |           |                         |                    |           |                    |                    |                 |
| No Records Found           |           |                         |                    |           |                    |                    |                 |
| Rare Fish Imperiled Waters |           |                         |                    |           |                    |                    |                 |
| COMMON NAME                |           | SCIENTIFIC NAME         |                    |           | Total Area (acres) |                    | Percent of Area |
| Mangrove rivulus           |           | Kryptolebias marmoratus |                    |           | 12.52              |                    | 5.72 %          |
| Opossum pipefish           |           | Microphis brachyurus    |                    |           | 63.92              |                    | 29.2 %          |
| TOTAL:                     |           |                         |                    |           | 76.44              |                    | 34.92 %         |
| Southern bald eagle nest   |           |                         |                    |           |                    |                    |                 |
| No Records Found           |           |                         |                    |           |                    |                    |                 |
| Imperiled Species Richness |           |                         |                    |           |                    |                    |                 |
| Number of Species          |           |                         | Total Area (acres) |           |                    | Percent of Area    |                 |
| 0                          |           |                         | 177.03             |           |                    | 80.86 %            |                 |
| 1                          |           |                         | 0.93               |           |                    | 0.42 %             |                 |
| 3                          |           |                         | 24.57              |           |                    | 11.22 %            |                 |
| 5                          |           |                         | 0.59               |           |                    | 0.27 %             |                 |
| 8                          |           |                         | 13.37              |           |                    | 6.11 %             |                 |
| 9                          |           |                         | 2.44               |           |                    | 1.12 %             |                 |
| TOTAL:                     |           |                         | 218.94             |           |                    | 100 %              |                 |

## Florida Natural Areas Inventory Data

### Element Occurrences

| COMMON NAME                                                           | SCIENTIFIC NAME                                                       | GLOBAL RANK | STATE RANK | FWC STATUS | FEDERAL STATUS | EO Rank | Last Observation | Total Area (acres) | Percent of Area |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-------------|------------|------------|----------------|---------|------------------|--------------------|-----------------|
| Bahama sachsia                                                        | Sachsia polycephala                                                   | G2          | S2         | T          | N              | CD      | 1995-05-09       | 0.16               | 0.07 %          |
| Bahama sachsia                                                        | Sachsia polycephala                                                   | G2          | S2         | T          | N              | CD      | 1995-05-10       | 1.36               | 0.62 %          |
| Bald Eagle                                                            | Haliaeetus leucocephalus                                              | G5          | S3         | N          | N              | E       | 1984             | 25.26              | 11.54 %         |
| Blodgett's silverbush                                                 | Argythamnia blodgettii                                                | G2          | S2         | E          | T              | BC      | 1995-05-08       | 2.81               | 1.29 %          |
| Blodgett's silverbush                                                 | Argythamnia blodgettii                                                | G2          | S2         | E          | T              | E       | 1991-08-14       | 25.56              | 11.67 %         |
| blunt-leaved peperomia                                                | Peperomia obtusifolia var. obtusifolia                                | G5TNR       | S2         | E          | N              | E       | 1985-02-09       | 2.81               | 1.29 %          |
| brittle maidenhair fern                                               | Adiantum tenerum                                                      | G5          | S3         | E          | N              | E       | 2017             | 0.91               | 0.42 %          |
| Caribbean crabgrass                                                   | Digitaria dolichophylla                                               | G5T5        | S2         | T          | N              | E       | 2006-10-24       | 0.00               | 0 %             |
| Christmas berry                                                       | Crossopetalum ilicifolium                                             | G3          | S3         | T          | N              | BD      | 2010-03-24       | 1.63               | 0.74 %          |
| Christmas berry                                                       | Crossopetalum ilicifolium                                             | G3          | S3         | T          | N              | E       | 1985-12-02       | 3.52               | 1.61 %          |
| Christmas berry                                                       | Crossopetalum ilicifolium                                             | G3          | S3         | T          | N              | E       | 1995-05-08       | 0.01               | 0 %             |
| Christmas berry                                                       | Crossopetalum ilicifolium                                             | G3          | S3         | T          | N              | E       | 1995-05-09       | 0.16               | 0.07 %          |
| Christmas berry                                                       | Crossopetalum ilicifolium                                             | G3          | S3         | T          | N              | E       | 1995-05-10       | 1.90               | 0.87 %          |
| clamshell orchid                                                      | Prosthechea cochleata var. triandra                                   | G4G5T2      | S2         | E          | N              | E       | 1991-06-19       | 28.95              | 13.22 %         |
| coastal vervain                                                       | Glandularia maritima                                                  | G3          | S3         | E          | N              | E       | 1977-04-11       | 3.33               | 1.52 %          |
| Costa Rican ladies'-tresses                                           | Beloglottis costaricensis                                             | G3G5        | S1         | E          | N              | E       | 1991-06-19       | 28.95              | 13.22 %         |
| Crenulate Horn                                                        | Chondropoma dentatum                                                  | G2G3        | S2?        | N          | N              | E       | 2003-06-11       | 0.11               | 0.05 %          |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G1Q         | S1         | E          | E              | BC      | 1995-05-09       | 0.16               | 0.07 %          |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G1Q         | S1         | E          | E              | CD      | 1995-05-10       | 1.36               | 0.62 %          |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G2T1        | S1         | E          | E              | E       | 1995-05-08       | 0.01               | 0.01 %          |

|                                                                       |                                                                       |        |      |    |   |    |            |       |         |  |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------|--------|------|----|---|----|------------|-------|---------|--|
| contact FNAI for more information                                     | contact FNAI for more information                                     |        |      |    |   |    |            |       |         |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G1Q    | S1   | E  | E | E  | 1995-05-12 | 1.63  | 0.74 %  |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G1Q    | S1   | E  | E | H  | 1938-06-07 | 25.56 | 11.67 % |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G2T1   | S1   | E  | E | H  | 1985-12-02 | 2.81  | 1.29 %  |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G2T1   | S1   | E  | E | H  | 1986       | 1.63  | 0.74 %  |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G3G5   | S1   | E  | N | E  | 1991-06-19 | 28.95 | 13.22 % |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G5?    | S1   | E  | N | E  | 1991-06-19 | 28.95 | 13.22 % |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G4G5   | S2   | E  | N | E  | 1991-08-14 | 25.56 | 11.67 % |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G5?    | S1   | E  | N | E  | 1991-08-14 | 25.56 | 11.67 % |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G3     | S1S2 | N  | N | E  | 2004-08-06 | 0.00  | 0 %     |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G5     | S3   | T  | N | E  | 1991-06-19 | 28.95 | 13.22 % |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G5     | S3   | T  | N | E  | 1991-08-14 | 25.56 | 11.67 % |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G4     | S3   | T  | N | E  | 1995-05-08 | 2.83  | 1.29 %  |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G4     | S3   | T  | N | E  | 1995-05-09 | 0.16  | 0.07 %  |  |
| DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | DATA SENSITIVE ELEMENT OCCURRENCE - contact FNAI for more information | G4     | S3   | T  | N | E  | 1995-05-10 | 1.90  | 0.87 %  |  |
| Eastern Indigo Snake                                                  | Drymarchon couperi                                                    | G3     | S2?  | FT | T | E  | 1981-02    | 0.39  | 0.18 %  |  |
| Eastern Indigo Snake                                                  | Drymarchon couperi                                                    | G3     | S2?  | FT | T | H  | 1967-03-25 | 31.14 | 14.22 % |  |
| Everglades leaf lace                                                  | Alvaradoa psilophylla                                                 | G5TNR  | S1   | E  | N | CD | 2017       | 2.83  | 1.29 %  |  |
| Florida gamagrass                                                     | Tripsacum floridanum                                                  | G2     | S2   | T  | N | A  | 1985-12-02 | 28.89 | 13.2 %  |  |
| Florida gamagrass                                                     | Tripsacum floridanum                                                  | G2     | S2   | T  | N | CD | 1995-05-12 | 1.63  | 0.74 %  |  |
| Florida gamagrass                                                     | Tripsacum floridanum                                                  | G2     | S2   | T  | N | D  | 1995-05-09 | 0.16  | 0.07 %  |  |
| Florida gamagrass                                                     | Tripsacum floridanum                                                  | G2     | S2   | T  | N | E  | 1985-12-02 | 0.71  | 0.32 %  |  |
| Florida lantana                                                       | Lantana depressa var. depressa                                        | G2T1   | S1   | E  | N | BC | 1995-05-10 | 12.95 | 5.91 %  |  |
| Florida lantana                                                       | Lantana depressa var. depressa                                        | G2T1   | S1   | E  | N | D  | 1991-08-14 | 2.81  | 1.29 %  |  |
| Florida lantana                                                       | Lantana depressa var. depressa                                        | G2T1   | S1   | E  | N | E  | 1995-05-09 | 0.16  | 0.07 %  |  |
| Florida Panther                                                       | Puma concolor coryi                                                   | G5T1   | S1   | FE | E | C  | 2018-02-27 | 61.14 | 27.93 % |  |
| Florida royal palm                                                    | Roystonea regia                                                       | G2G3   | S2   | E  | N | E  | 1991-08-14 | 0.00  | 0 %     |  |
| Florida shrub thoroughwort                                            | Koanophyllon villosum                                                 | G4G5   | S2   | E  | N | E  | 1995-05-09 | 0.16  | 0.07 %  |  |
| Florida shrub thoroughwort                                            | Koanophyllon villosum                                                 | G4G5   | S2   | E  | N | E  | 1995-05-11 | 2.81  | 1.29 %  |  |
| Florida shrub thoroughwort                                            | Koanophyllon villosum                                                 | G4G5   | S2   | E  | N | E  | 1996-11-01 | 0.01  | 0.01 %  |  |
| fragrant maidenhair fern                                              | Adiantum melanoleucum                                                 | G4     | S1   | E  | N | H  | 1981-10-01 | 28.95 | 13.22 % |  |
| Krug's holly                                                          | Ilex krugiana var. krugiana                                           | G3?TNR | S3   | T  | N | BD | 1991-08-14 | 3.74  | 1.71 %  |  |
| Krug's holly                                                          | Ilex krugiana var. krugiana                                           | G3?TNR | S3   | T  | N | E  | 1985-02-09 | 2.81  | 1.29 %  |  |

|                                  |                             |        |      |    |    |    |            |        |          |
|----------------------------------|-----------------------------|--------|------|----|----|----|------------|--------|----------|
| Krug's holly                     | Ilex krugiana var. krugiana | G3?TNR | S3   | T  | N  | E  | 1985-12-02 | 0.71   | 0.32 %   |
| Krug's holly                     | Ilex krugiana var. krugiana | G3?TNR | S3   | T  | N  | E  | 1995-05-10 | 0.54   | 0.25 %   |
| Krug's holly                     | Ilex krugiana var. krugiana | G3?TNR | S3   | T  | N  | E  | 1995-05-11 | 2.81   | 1.29 %   |
| locustberry                      | Byrsonima lucida            | G4G5   | S3   | T  | N  | E  | 1995-05-10 | 1.90   | 0.87 %   |
| locustberry                      | Byrsonima lucida            | G4G5   | S3   | T  | N  | E  | 1995-05-12 | 1.63   | 0.74 %   |
| Malachite                        | Siproeta stelenes           | G5     | S2   | N  | N  | E  | 2004-03-18 | 0.00   | 0 %      |
| Mangrove Rivulus                 | Rivulus marmoratus          | G4G5   | S3   | N  | SC | H  | 1961       | 25.47  | 11.63 %  |
| Mangrove Rivulus                 | Rivulus marmoratus          | G4G5   | S3   | N  | SC | H  | 1966-06-24 | 8.02   | 3.66 %   |
| mangroveberry                    | Mosiera longipes            | G3G4   | S2   | T  | N  | C  | 1986       | 1.40   | 0.64 %   |
| mangroveberry                    | Mosiera longipes            | G3G4   | S2   | T  | N  | CD | 1993       | 16.10  | 7.35 %   |
| Pine Snake                       | Pituophis melanoleucus      | G4     | S3   | ST | UR | E  | 1980-03    | 25.47  | 11.63 %  |
| pineland jacquemontia            | Jacquemontia curtissii      | G2     | S2   | T  | N  | A  | 1985-12-02 | 28.89  | 13.2 %   |
| pineland jacquemontia            | Jacquemontia curtissii      | G2     | S2   | T  | N  | BC | 1995-05-10 | 1.36   | 0.62 %   |
| pineland jacquemontia            | Jacquemontia curtissii      | G2     | S2   | T  | N  | BC | 2010-03-24 | 1.63   | 0.74 %   |
| pineland jacquemontia            | Jacquemontia curtissii      | G2     | S2   | T  | N  | CD | 1995-05-09 | 0.16   | 0.07 %   |
| pineland jacquemontia            | Jacquemontia curtissii      | G2     | S2   | T  | N  | E  | 1985-12-02 | 3.52   | 1.61 %   |
| pineland milkpea                 | Galactia pinetorum          | G2Q    | S2   | N  | N  | BD | 1995-05-12 | 1.63   | 0.74 %   |
| pineland milkpea                 | Galactia pinetorum          | G2Q    | S2   | N  | N  | E  | 1985-12-02 | 0.71   | 0.32 %   |
| pineland noseburn                | Tragia saxicola             | G2     | S2   | T  | N  | A  | 1985-12-02 | 28.95  | 13.22 %  |
| pineland noseburn                | Tragia saxicola             | G2     | S2   | T  | N  | BC | 1995-05-08 | 0.01   | 0.01 %   |
| pineland noseburn                | Tragia saxicola             | G2     | S2   | T  | N  | BC | 1995-05-09 | 0.16   | 0.07 %   |
| pineland noseburn                | Tragia saxicola             | G2     | S2   | T  | N  | BD | 2010-03-24 | 1.63   | 0.74 %   |
| pineland noseburn                | Tragia saxicola             | G2     | S2   | T  | N  | E  | 1972-11-21 | 17.45  | 7.97 %   |
| pineland noseburn                | Tragia saxicola             | G2     | S2   | T  | N  | E  | 1985-12-02 | 3.52   | 1.61 %   |
| pineland spurge                  | Euphorbia pinetorum         | G2     | S2   | E  | N  | BD | 1995-05-12 | 1.63   | 0.74 %   |
| pineland spurge                  | Euphorbia pinetorum         | G2     | S2   | E  | N  | CD | 1995-05-09 | 0.16   | 0.07 %   |
| pineland spurge                  | Euphorbia pinetorum         | G2     | S2   | E  | N  | CD | 1995-05-10 | 1.36   | 0.62 %   |
| Robinson's Anomala Scarab Beetle | Anomala robinsoni           | G1?    | S1?  | N  | N  | E  | 1994 pre   | 63.27  | 28.9 %   |
| rocklands morning glory          | Ipomoea tenuissima          | G3     | S1   | E  | N  | E  | 1995-05-10 | 1.36   | 0.62 %   |
| Truncate Urocoptid               | Cochlodinella poeyana       | G1G2   | S1S2 | N  | N  | H  | 1961-09-14 | 8.02   | 3.66 %   |
| Truncate Urocoptid               | Cochlodinella poeyana       | G1G2   | S1S2 | N  | N  | H  | 1961-11-11 | 25.56  | 11.67 %  |
| West Indian cherry               | Prunus myrtifolia           | G4     | S2   | T  | N  | E  | 1991-06-19 | 28.95  | 13.22 %  |
| West Indian cherry               | Prunus myrtifolia           | G4     | S2   | T  | N  | E  | 1995-05-08 | 0.01   | 0.01 %   |
| West Indian cherry               | Prunus myrtifolia           | G4     | S2   | T  | N  | E  | 1995-05-11 | 2.81   | 1.29 %   |
| wild potato morning glory        | Ipomoea microdactyla        | G2     | S2   | E  | N  | D  | 1995-05-10 | 1.36   | 0.62 %   |
| ZZ                               | Pine rockland               | G1     | S1   | N  | N  | A  | 1999       | 28.78  | 13.14 %  |
| ZZ                               | Pine rockland               | G1     | S1   | N  | N  | E  | 1999       | 28.64  | 13.08 %  |
| ZZ                               | Rockland hammock            | G2     | S2   | N  | N  | A  | 2005-08-11 | 0.00   | 0 %      |
| ZZ                               | Rockland hammock            | G2     | S2   | N  | N  | B  | 1999       | 0.91   | 0.42 %   |
| ZZ                               | Rockland hammock            | G2     | S2   | N  | N  | BD | 1999       | 11.80  | 5.39 %   |
| ZZ                               | Rockland hammock            | G2     | S2   | N  | N  | E  | 1999       | 12.92  | 5.9 %    |
| TOTAL:                           |                             |        |      |    |    |    |            | 901.56 | 411.79 % |

#### Suitable Habitat that Supports Species Known to Occur in the Vicinity

| COMMON NAME               | SCIENTIFIC NAME                       | Total Area (acres) | Percent of Area |
|---------------------------|---------------------------------------|--------------------|-----------------|
| American Crocodile        | Crocodylus acutus                     | 7.09               | 3.24 %          |
| Bahama sachsia            | Sachsa polycephala                    | 6.36               | 2.91 %          |
| Blodgett's silverbush     | Argythamnia argothamnoides            | 44.08              | 20.13 %         |
| coastal vervain           | Glandularia maritima                  | 6.74               | 3.08 %          |
| Crenulate Horn            | Chondropoma dentatum                  | 11.83              | 5.4 %           |
| Cuban snake-bark          | Colubrina cubensis var. floridana     | 23.43              | 10.7 %          |
| deltoid spurge            | Chamaesyce deltoidea ssp. deltoidea   | 23.16              | 10.58 %         |
| Florida bonneted bat      | Eumops floridanus                     | 14.25              | 6.51 %          |
| Florida filmy fern        | Trichomanes punctatum ssp. floridanum | 24.06              | 10.99 %         |
| Florida gamagrass         | Tripsacum floridanum                  | 28.58              | 13.06 %         |
| Florida lantana           | Lantana depressa var. depressa        | 62.18              | 28.4 %          |
| Florida Panther           | Puma concolor coryi                   | 58.55              | 26.74 %         |
| holly vine fern           | Lomariopsis kunzeana                  | 16.54              | 7.56 %          |
| mangroveberry             | Mosiera longipes                      | 9.43               | 4.31 %          |
| Miami Cave Crayfish       | Procambarus milleri                   | 15.03              | 6.87 %          |
| modest spleenwort         | Asplenium verecundum                  | 11.83              | 5.4 %           |
| pineland jacquemontia     | Jacquemontia curtissii                | 47.41              | 21.66 %         |
| pineland milkpea          | Galactia pinetorum                    | 5.02               | 2.29 %          |
| pineland noseburn         | Tragia saxicola                       | 53.92              | 24.63 %         |
| pineland spurge           | Poinsettia pinetorum                  | 17.15              | 7.83 %          |
| pinelands spurge          | Chamaesyce deltoidea ssp. pinetorum   | 0.12               | 0.06 %          |
| rocklands morning glory   | Ipomoea tenuissima                    | 11.94              | 5.46 %          |
| Small's milkpea           | Galactia smallii                      | 17.15              | 7.83 %          |
| Truncate Urocoptid        | Cochlodinella poeyana                 | 11.83              | 5.4 %           |
| two-keeled helmet orchid  | Galeandra bicarinata                  | 16.54              | 7.56 %          |
| wild potato morning glory | Ipomoea microdactyla                  | 29.94              | 13.67 %         |
| Wood Stork                | Mycteria americana                    | 31.37              | 14.33 %         |
| TOTAL:                    |                                       | 605.54             | 276.58 %        |

## USFWS

### Critical Habitat

No Records Found

## Area of Critical State Concern

### Apalachicola

No Records Found

### Big Cypress

No Records Found

### Green Swamp

No Records Found

### Key West

No Records Found

### Lower Keys

No Records Found

### Upper Keys

No Records Found

## Florida Ecological Greenways Network

### Wildlife Corridor Classification

| Priority Level | Total Area (acres) | Percent of Area |
|----------------|--------------------|-----------------|
| 1              | 0.84               | 0.38 %          |
| 5              | 60.29              | 27.54 %         |
| TOTAL:         | 61.13              | 27.92 %         |

## Water Resources

### FDEP Surface Water Classification

| Waterbody Name      | Water Type | Water Basin | Classification | Total Area (acres) | Percent of Area |
|---------------------|------------|-------------|----------------|--------------------|-----------------|
| C-8/BISCAYNE CANAL  | STREAM     | 3285        | 3F             | 51.51              | 23.53 %         |
| C-100               | STREAM     | 3295        | 3F             | 8.02               | 3.66 %          |
| C-1 (BLACK CREEK)   | STREAM     | 3297        | 3F             | 11.78              | 5.38 %          |
| GOULDS CANAL        | STREAM     | 3298A       | 3F             | 0.06               | 0.03 %          |
| C-102               | STREAM     | 3300        | 3F             | 33.99              | 15.53 %         |
| C-103 (MOWRY CANAL) | STREAM     | 3302        | 3F             | 12.77              | 5.83 %          |
| C-111 (SOUTH)       | STREAM     | 3303        | 3F             | 69.94              | 31.94 %         |
| C-113               | STREAM     | 3303A       | 3F             | 30.87              | 14.1 %          |
|                     |            |             | TOTAL:         | 218.94             | 100 %           |