

Conservation Collier Initial Criteria Screening Report South Terra Corp



Owner Name: South Terra Corp
Folio Number: 58105440009 (0.56 acres)
Staff Report Date: August 3, 2022

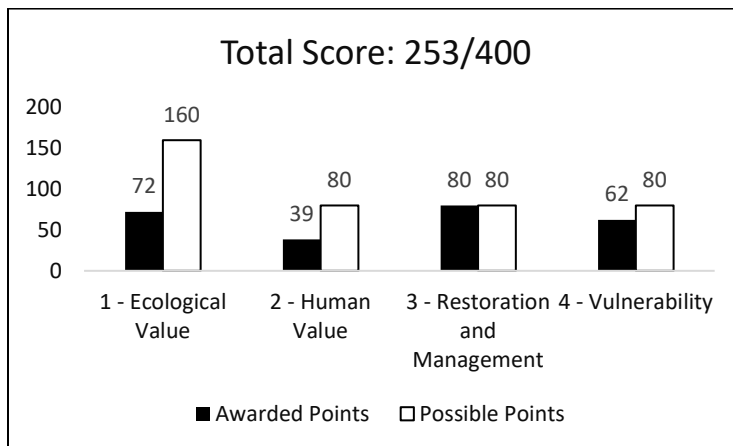


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1. Introduction

The Conservation Collier Program (Program) is an environmentally sensitive land acquisition and management program approved by the Collier County Board of County Commissioners (Board) in 2002 and by Collier County Voters in 2002 and 2006. The Program was active in acquisition between 2003 and 2011, under the terms of the referendum. Between 2011 and 2016, the Program was in management mode. In 2017, the Collier County Board reauthorized Conservation Collier to seek additional lands (2/14/17, Agenda Item 11B). On November 3, 2020, the Collier County electors approved the Conservation Collier Re-establishment referendum with a 76.5% majority.

This Initial Criteria Screening Report (ICSR) has been prepared for the Conservation Collier Program in its 11th acquisition cycle to meet requirements specified in the Conservation Collier Implementation Ordinance, 2002-63, as amended, and for purposes of the Conservation Collier Program. The sole purpose of this report is to provide objective data to demonstrate how properties meet the criteria defined by the ordinance.

The following sections characterize the property location and assessed value, elaborate on the initial and secondary screening criteria scoring, and describe potential funding sources, appropriate use, site improvements, and estimated management costs.

2. Summary of Property



Figure 1 - Parcel Location Overview

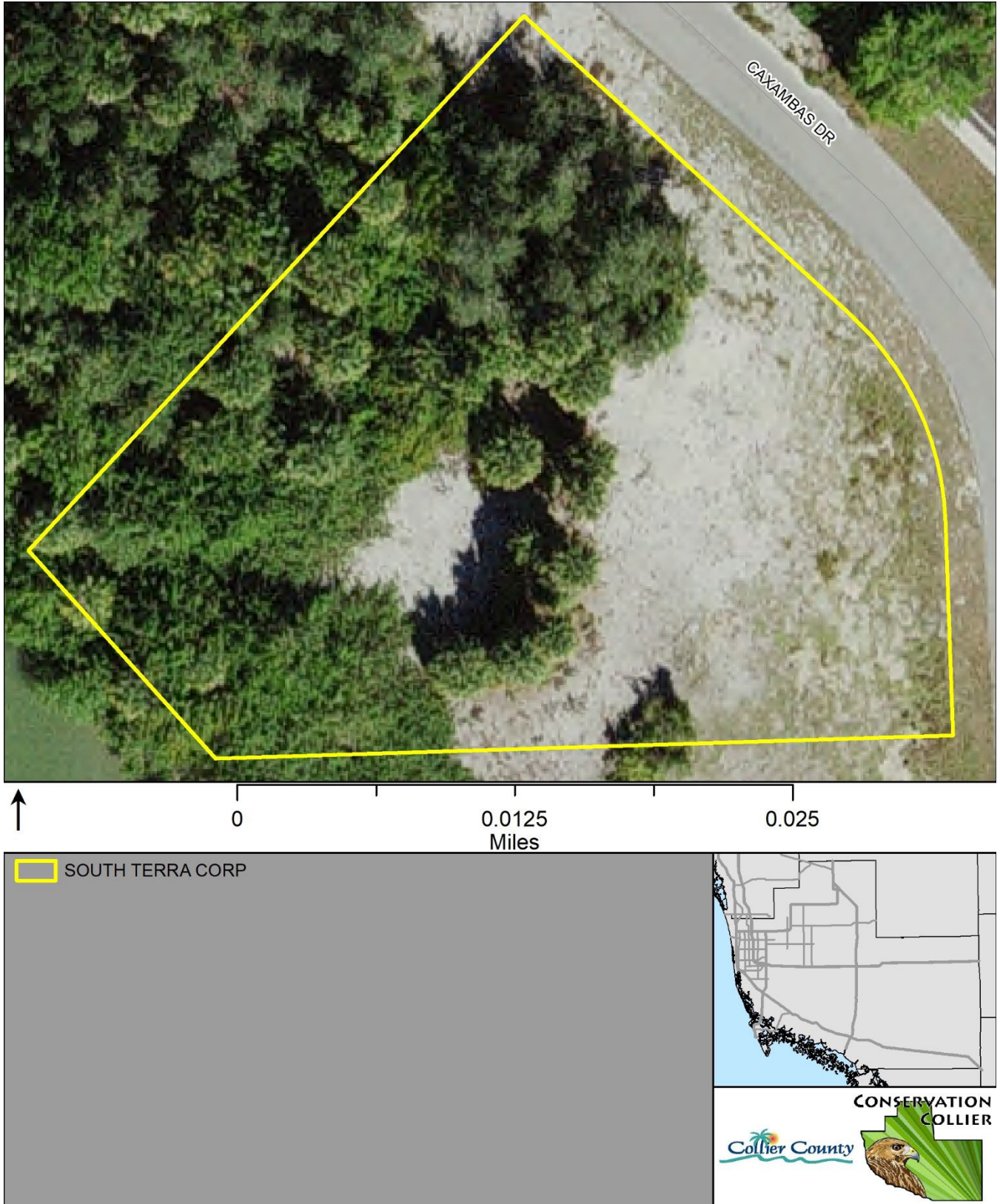


Figure 2 - Parcel Close-up

2.1 Summary of Property Information

Table 1 – Summary of Property Information

Characteristic	Value	Comments
Name	South Terra Corp	
Folio Number	58105440009	Address: 1125 Caxambas Dr., Marco Island
Target Protection Area	Urban	Marco Island Target Mailing Area Cycle 11
Size	0.56 acres	
Section, Township, and Range	S17, Twn 52, R26	
Zoning Category/TDRs	RSF-3, Residential Single Family	RSF-3 maximum density is 3 units per gross acre
FEMA Flood Map Category	X and AE	X is Low flood risk and over most of the parcel; a small portion is AE - high-risk area having at least a 1% annual chance of flooding
Existing structures	None	
Adjoining properties and their Uses	Undeveloped, roadway, canal	Undeveloped property to the north and south, canal to the west, and roadway (Caxambas Dr.) to the east – with a single family residence to the east of Scott Dr.
Development Plans Submitted	None	
Known Property Irregularities	Known archaeological site	The Caxambas Point Shell Midden archaeological site (8CR107) encompasses the entire subject parcel.
Other County Dept Interest	None	Parcel is within unincorporated Collier

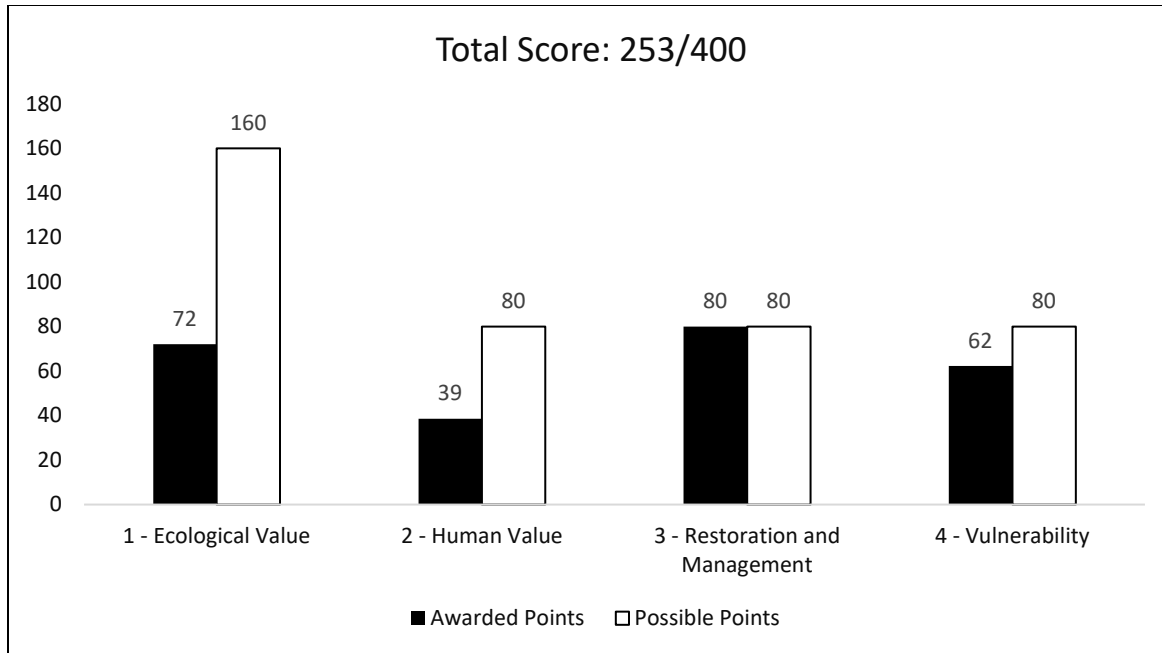


Figure 3 - Secondary Criteria Score

Table 2 - Secondary Criteria Score Summary

Criteria	Awarded Weighted Points	Possible Weighted Points	Awarded/Possible Points
1 - Ecological Value	72	160	45%
1.1 - Vegetative Communities	40	53	75%
1.2 - Wildlife Communities	27	27	100%
1.3 - Water Resources	5	27	20%
1.4 - Ecosystem Connectivity	0	53	0%
2 - Human Values	39	80	48%
2.1 - Recreation	6	34	17%
2.2 - Accessibility	26	34	75%
2.3 - Aesthetics/Cultural Enhancement	7	11	63%
3 - Restoration and Management	80	80	100%
3.1 - Vegetation Management	55	55	100%
3.2 - Remediation and Site Security	23	23	100%
3.3 - Assistance	2	2	100%
4 - Vulnerability	62	80	78%
4.1 - Zoning and Land Use	58	58	100%
4.2 - Development Plans	4	22	20%
Total	253	400	63%

2.2 Summary of Assessed Value and Property Cost Estimates

The interest being appraised is fee simple “as is” for the purchase of the site. A value of the parcel was estimated using only one of the three traditional approaches to value, the sales comparison approach. It is based on the principal of substitution that an informed purchaser would pay no more for the rights in acquiring a particular real property than the cost of acquiring, without undue delay, an equally desirable one. Three properties were selected for comparison, each with similar site characteristics, utility availability, zoning classification and road access. No inspection was made of the property or comparables used in this report and the Real Estate Services Department staff relied upon information solely provided by program staff. The valuation conclusion is limited only by the reported assumptions and conditions that no other known or unknown adverse conditions exist.

If the Board of County Commissioners choose to acquire the property, an appraisal by an independent Real Estate Appraiser will be obtained at that time. Pursuant to the Conservation Collier Purchase Policy, two appraisals are required for the South Terra Corp property which has an initial valuation greater than \$500,000; 2 independent Real Estate Appraisers will value the subject property and the average of the two appraisal reports will determine the actual value of the subject property.

Table 3. Assessed & Estimated Value

Property owner	Address	Acreage	Assessed Value*	Estimated Value**
South Terra Corp	1125 Caxambas Dr.	0.56	\$674,268	\$1,975,000

* Assessed Value is obtained from the Property Appraiser’s Website. The Assessed Value is based off the current use of the property.

**The Estimated Market Value for the South Terra Corp parcel was obtained from the Collier County Real Estate Services Department in July 2022.

2.2.1 Zoning, Growth Management and Conservation Overlays

Zoning, growth management and conservation overlays will affect the value of a parcel. The parcel is zoned Residential Single-Family-3. The maximum building density is 3 units per gross acre.

2.3 Initial Screening Criteria Satisfaction (Ord. 2002-63, Sec. 10)

Criteria 1: Native Habitats

Are any of the following unique and endangered plant communities found on the property? **YES**
Order of preference as follows:

i.	Hardwood hammocks	No
ii.	Xeric oak scrub	YES
iii.	Coastal strand	No
iv.	Native beach	No
v.	Xeric pine	No
vi.	Riverine Oak	No
vii.	High marsh (saline)	No
viii.	Tidal freshwater marsh	No
ix.	Other native habitats	No

Statement for Satisfaction of Criteria 1: Approximately half the parcel consists of vegetation consistent with Coastal Oak Scrub.

Criteria 2: Human Social Values

Does land offer significant human social values, such as equitable geographic distribution, appropriate access for nature-based recreation, and enhancement of the aesthetic setting of Collier County? **YES**

Statement for Satisfaction of Criteria 2: This parcel is in the Urban Target Protection Area on Marco Island and has access from a public road. The parcel provides wildlife viewing and greenspace in a developed area. The parcel is too small to accommodate extensive trails but can be enjoyed from the road. Additionally, there are significant cultural features in this area of Marco Island. There is evidence of a shell midden dating back 1500 years which is of importance both aesthetically and culturally to Collier County.

Criteria 3: Water Resources

Does the property offer opportunities for protection of water resource values, including aquifer recharge, water quality enhancement, protection of wetland dependent species habitat, and flood control? **NO**

Statement for Satisfaction of Criteria 3: The parcel does not significantly protect water resources.

Criteria 4: Biological and Ecological Value

Does the property offer significant biological values, including biodiversity, listed species habitat, connectivity, restoration potential and ecological quality? **YES**

Statement for Satisfaction of Criteria 4: The parcel contains many active gopher tortoise burrows.

Criteria 5: Enhancement of Current Conservation Lands

Does the property enhance and/or protect the environmental value of current conservation lands through function as a buffer, ecological link or habitat corridor? **No**

Is this property within the boundary of another agency's acquisition project? **No**

Statement for Satisfaction of Criteria 5: There are no known conservation lands adjacent to this parcel. It abuts undeveloped land to the north and south, a canal to the west, and a roadway (Caxambas Dr.) to the east.

3. Initial Screening Criteria

3.1 Ecological Values

3.1.1 Vegetative Communities

The northern half of the parcel consists primarily of disturbed coastal scrub, containing sand live oak (*Quercus geminata*) and pricklypear (*Opuntia mesacantha*). Cabbage palm (*Sabal palmetto*), Gumbo limbo (*Bursera simaruba*), wild coffee (*Psychotria nervosa*), American beautyberry (*Callicarpa americana*), tough bully (*Sideroxylon tenax*), and thick coinvine (*Dalbergia ecastaphyllum*) are also present. The southern half of the parcel is cleared with a few small, scattered oaks and cabbage palms.

Exotic plants present include Brazilian pepper (*Schinus terebinthifolia*), guineagrass (*Urochloa maxima*), Mother-in-law's tongue (*Dracaena hyacinthoides*), and life plant (*Kalanchoe pinnata*).

Table 4. Listed Plant Species

Common Name	Scientific Name	State Status	Federal Status
Giant wild pine	<i>Tillandsia utriculata</i>	State Endangered	n/a
Cardinal air plant	<i>Tillandsia fasciculata</i>	State Endangered	n/a

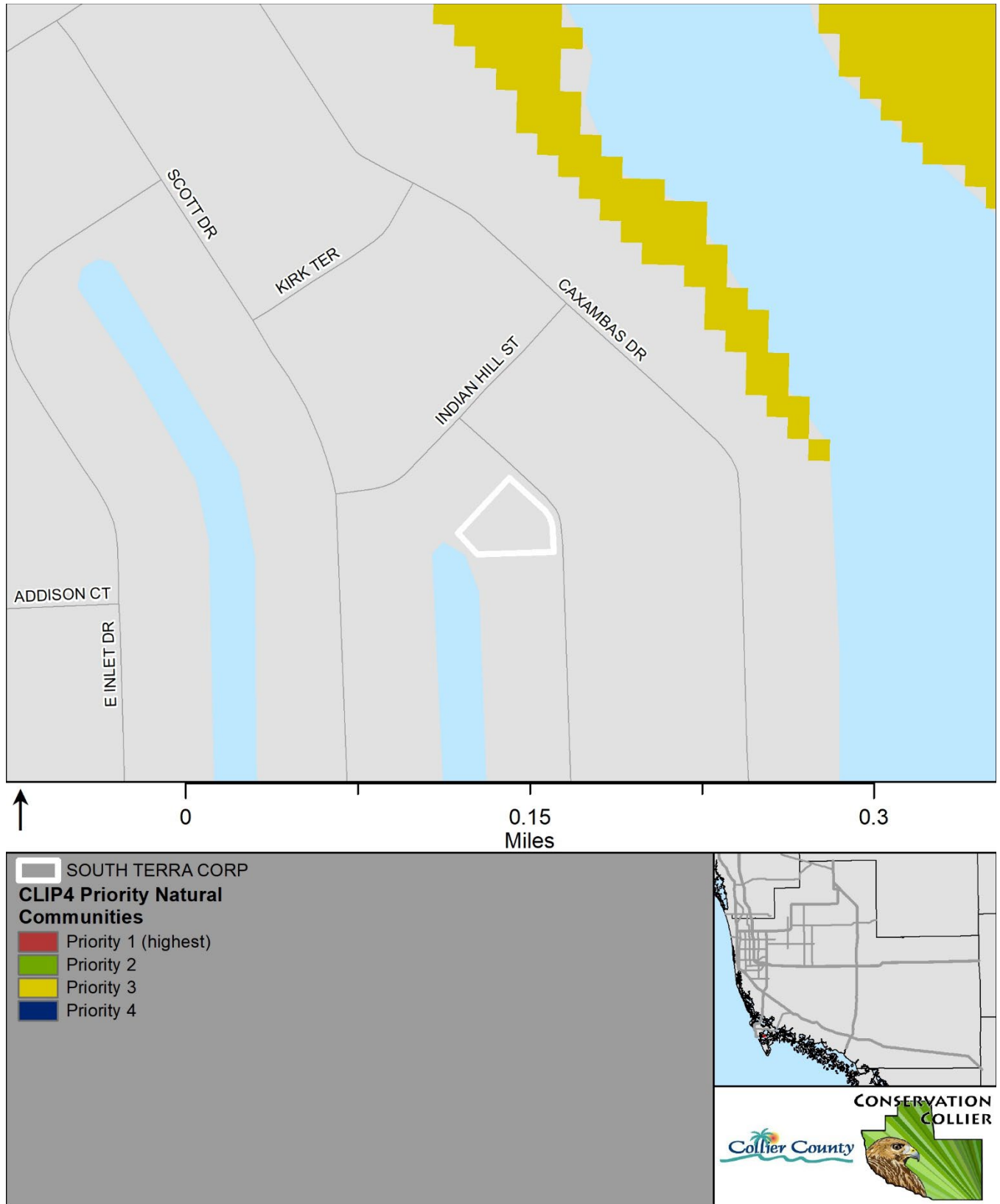


Figure 4 - CLIP4 Priority Natural Communities

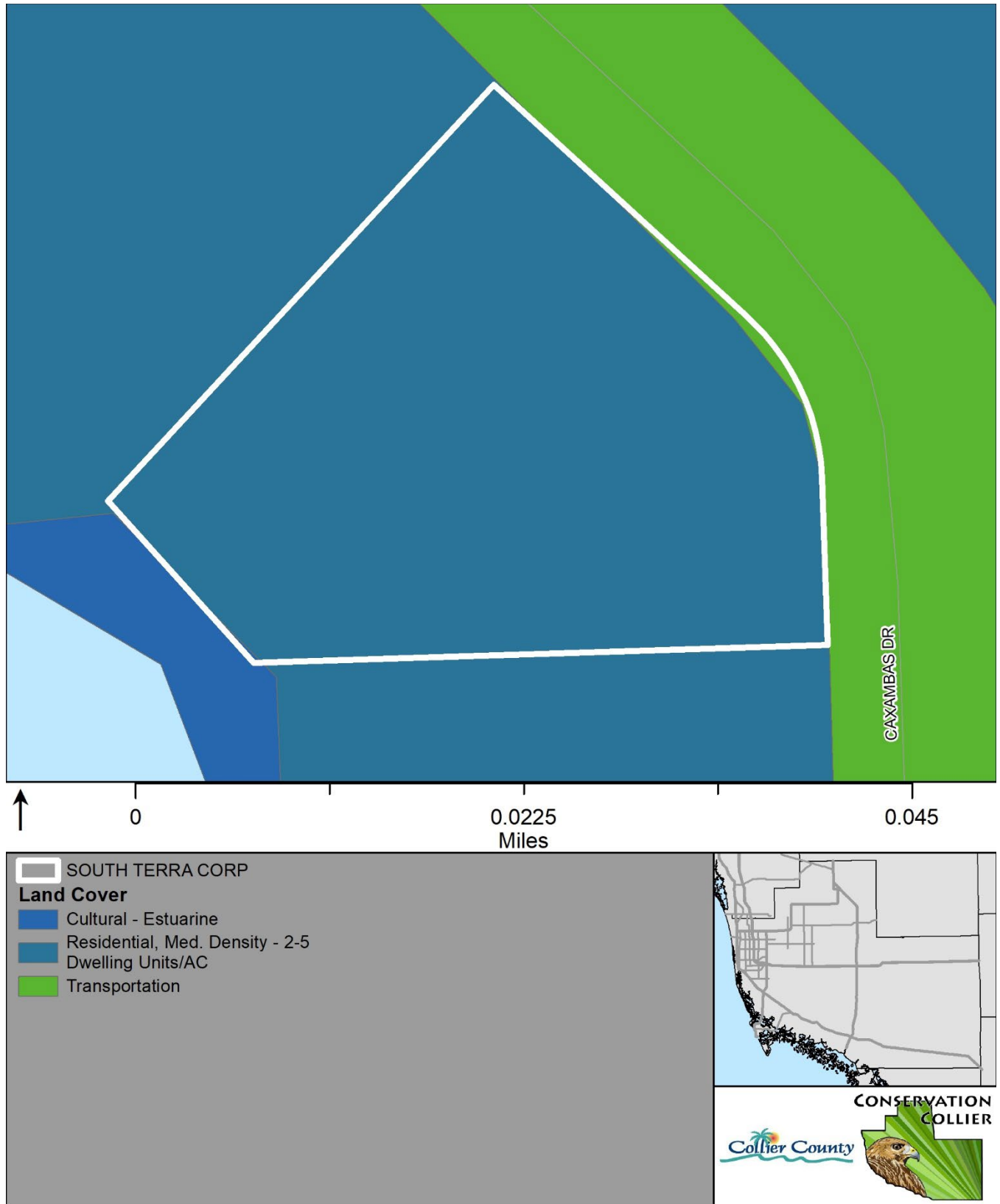


Figure 5 - Florida Cooperative Land Cover Classification System



Figure 6 – Coastal scrub



Figure 7 – Cleared southern half of property

3.1.2 Wildlife Communities

Multiple active gopher tortoise burrows were observed on the parcel. Native plant communities on the parcel would also provide cover and forage for wildlife.

Table 5 – Listed Wildlife Detected

Common Name	Scientific Name	State Status	Federal Status	Mode of Detection
Gopher tortoise	<i>Gopherus polyphemus</i>	Threatened	n/A	Active burrow observed during site visit



Figure 8 – Active gopher tortoise burrow on south side of parcel

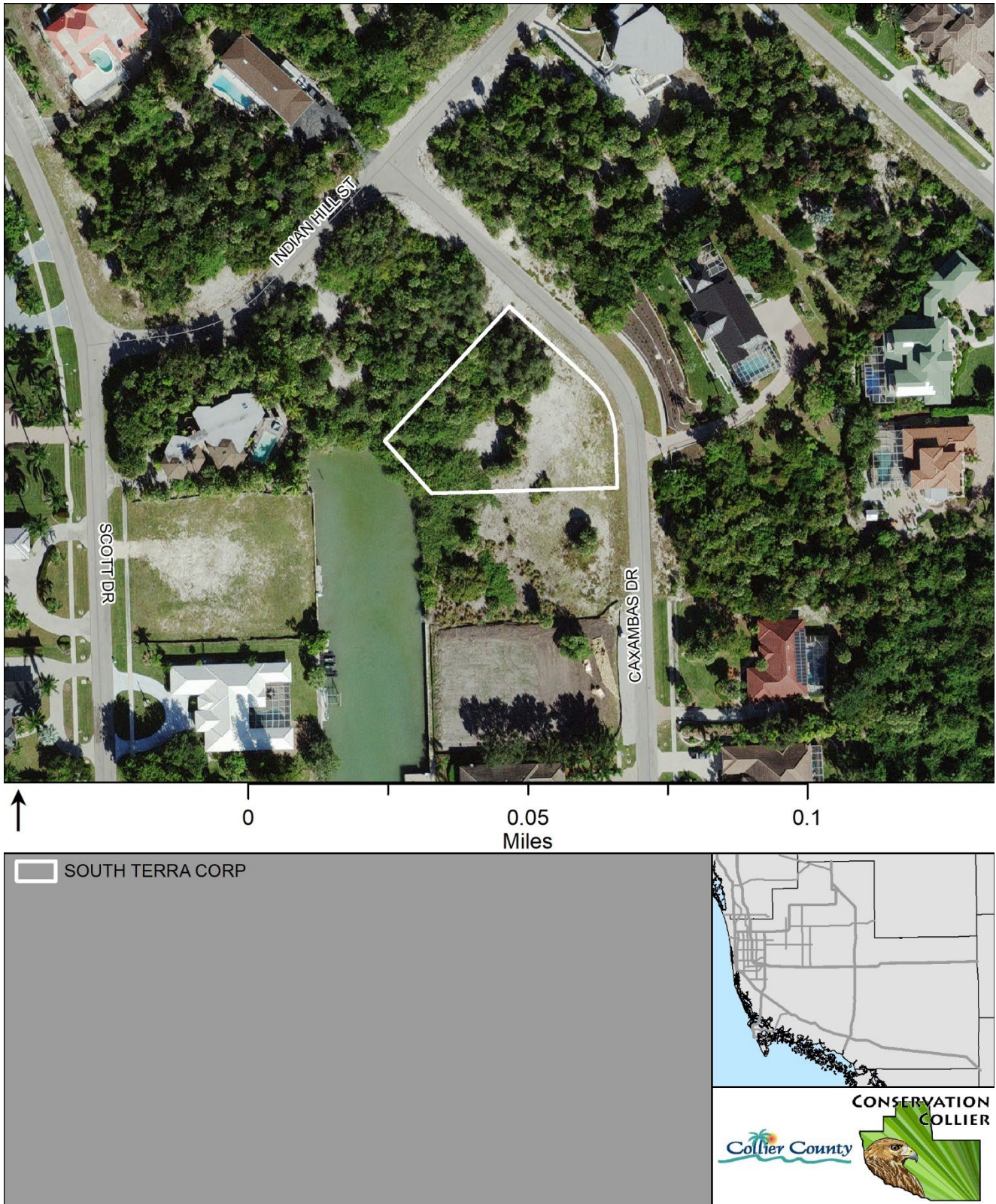


Figure 9 - Wildlife Spatial Data (i.e., telemetry, roosts, etc)

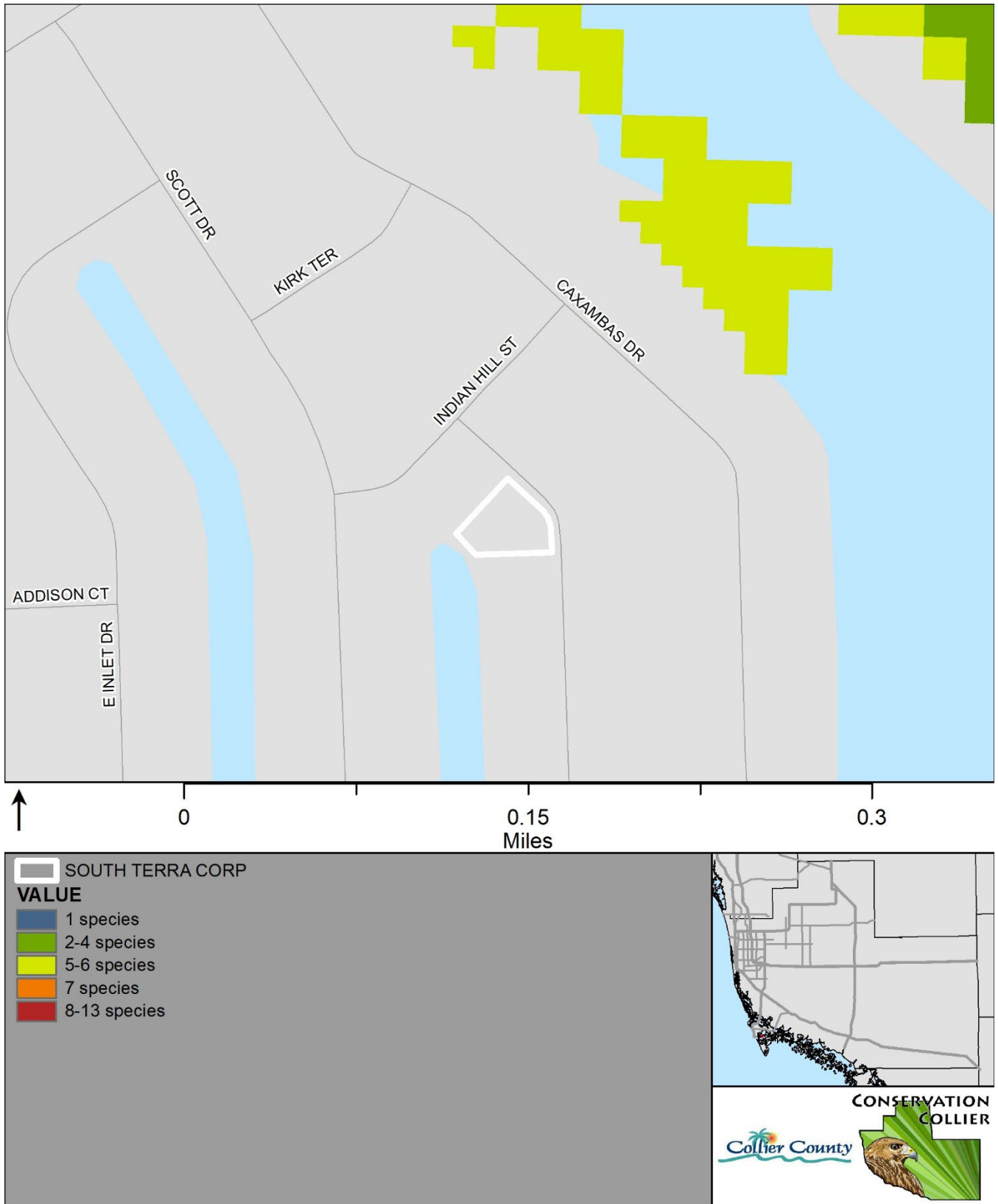


Figure 10 - CLIP4 Potential Habitat Richness

3.1.3 Water Resources

The parcel does not significantly protect water resources, beyond adding very minimally to the surficial aquifer. The parcel and adjacent properties are comprised entirely of uplands. No wetlands exist on site, and the parcel is not within a wellfield protection zone. However, the parcel is adjacent to the canal, so conservation of the property in lieu of a house would benefit water quality.

Soils data is based on the Soil Survey of Collier County Area, Florida (USDA/NRCS, 1990). Mapped soils on this parcel show the majority of the site to be Urban Land – Aquents Complex, Organic Substratum - consisting of materials that have been dug from different areas in the county and spread over muck soils for coastal urban development. Soils along the eastern edge are mapped as Paola Fine Sand, 1 to 8 pct slopes – an excessively drained soil found on coastal dunes on Marco Island.

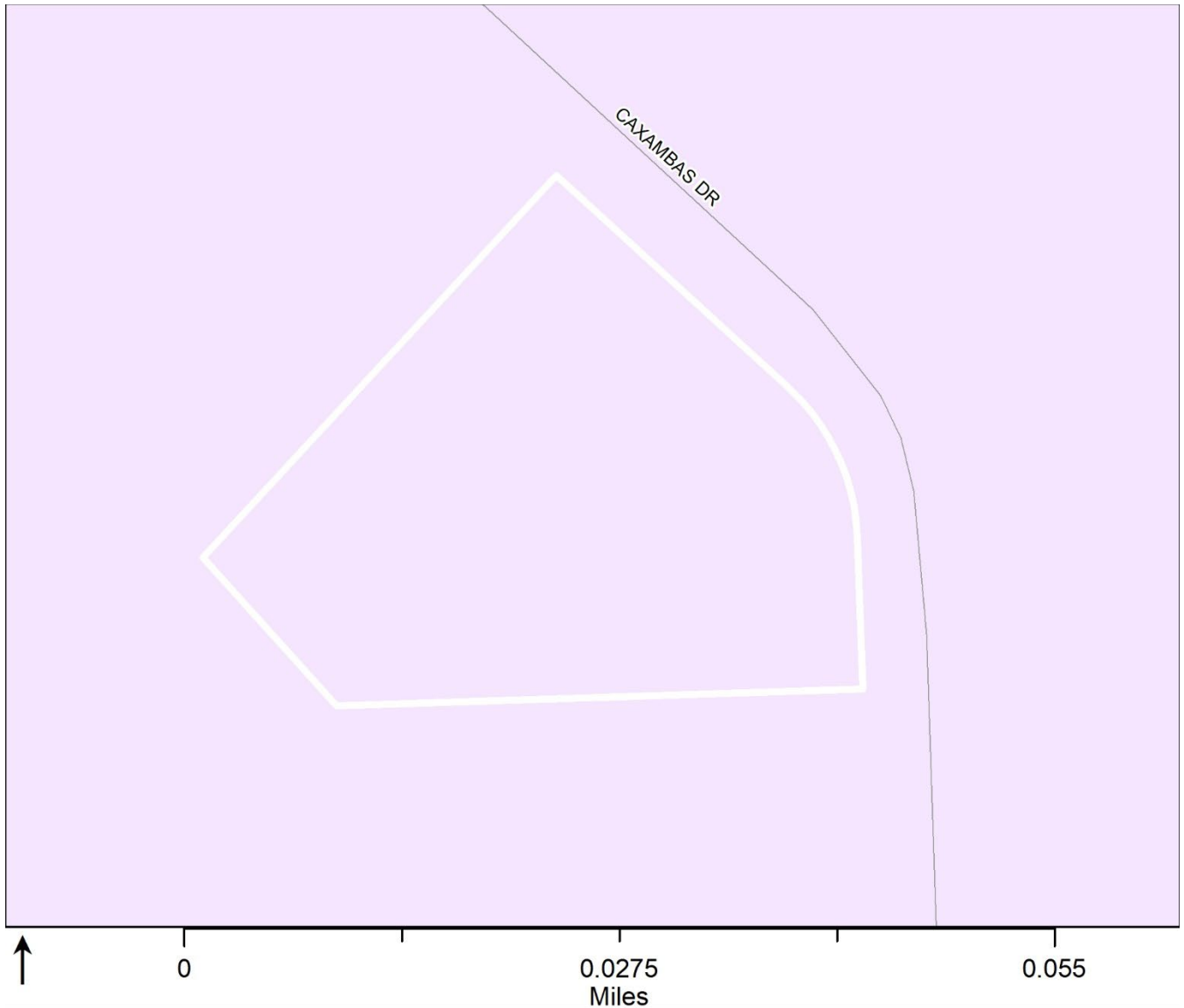


Figure 11 - CLIP Aquifer Recharge Priority and Wellfield Protection Zones

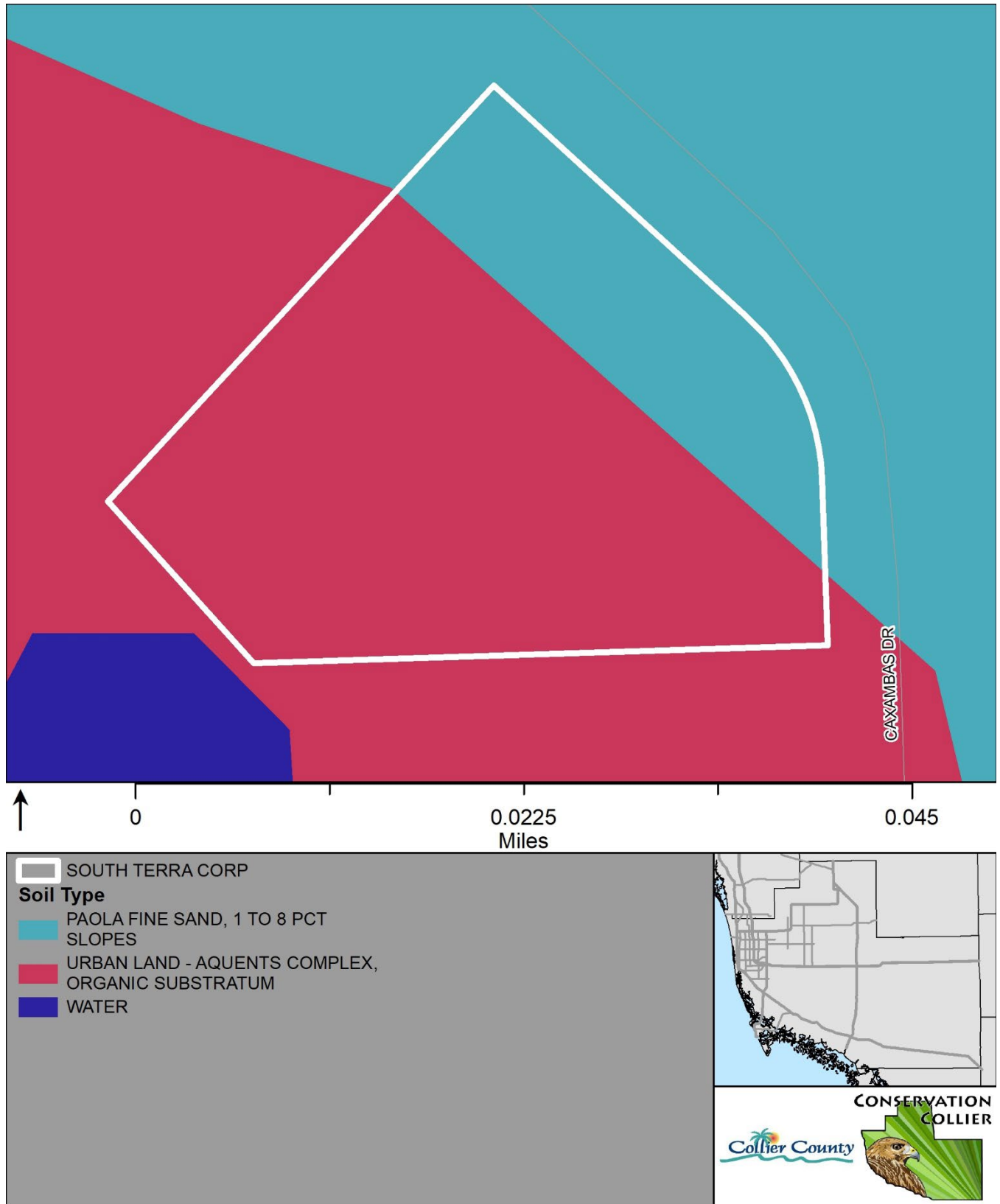


Figure 12 - Collier County Soil Survey

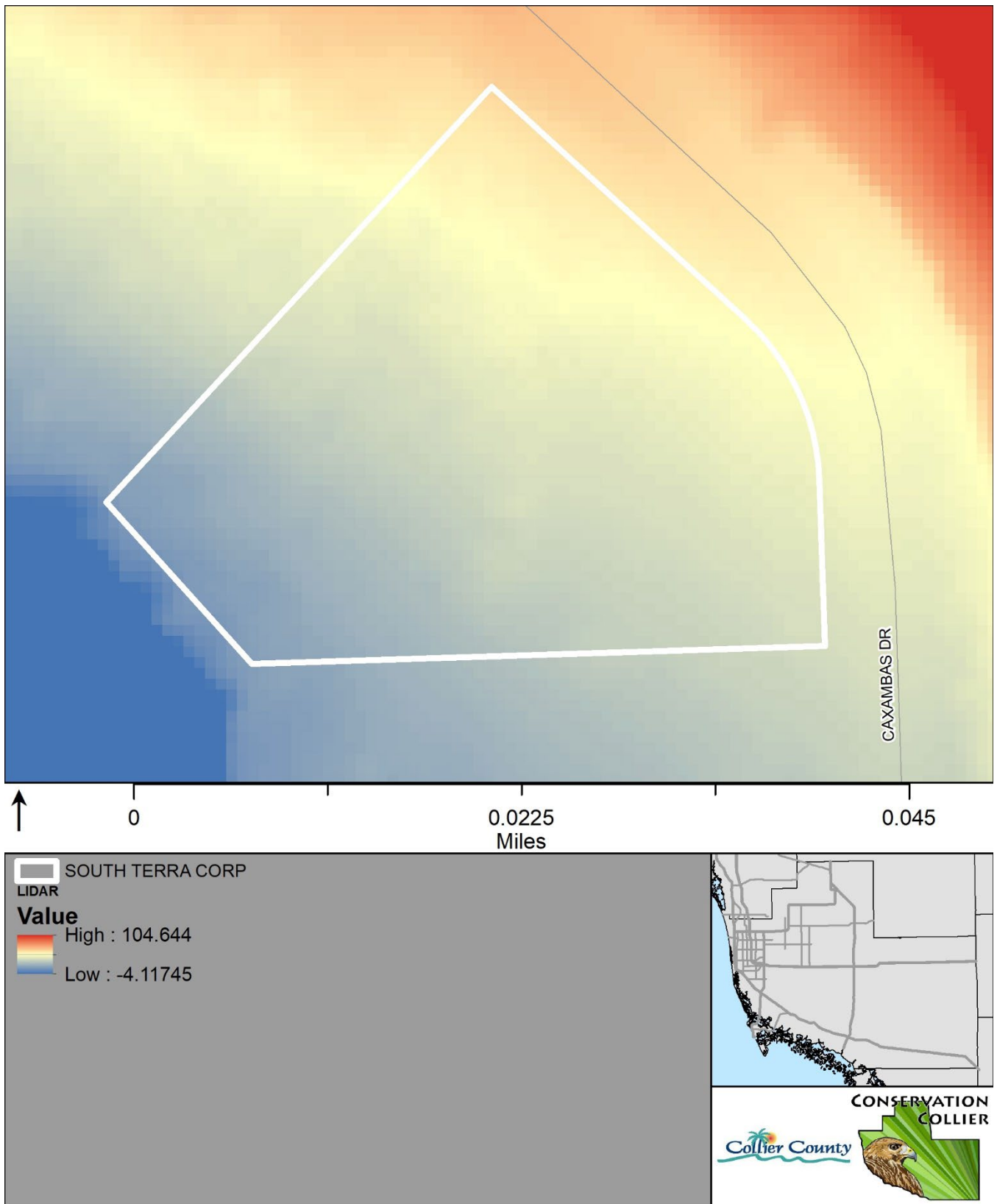


Figure 13 LIDAR Elevation Map

3.1.4 Ecosystem Connectivity

This parcel does not provide connectivity to other conservation lands. It is surrounded by undeveloped land to the north and south, a canal to the west, and a paved road (Caxambas Dr.) to the east. It is approximately 0.2 miles east of Otter Mound Preserve.

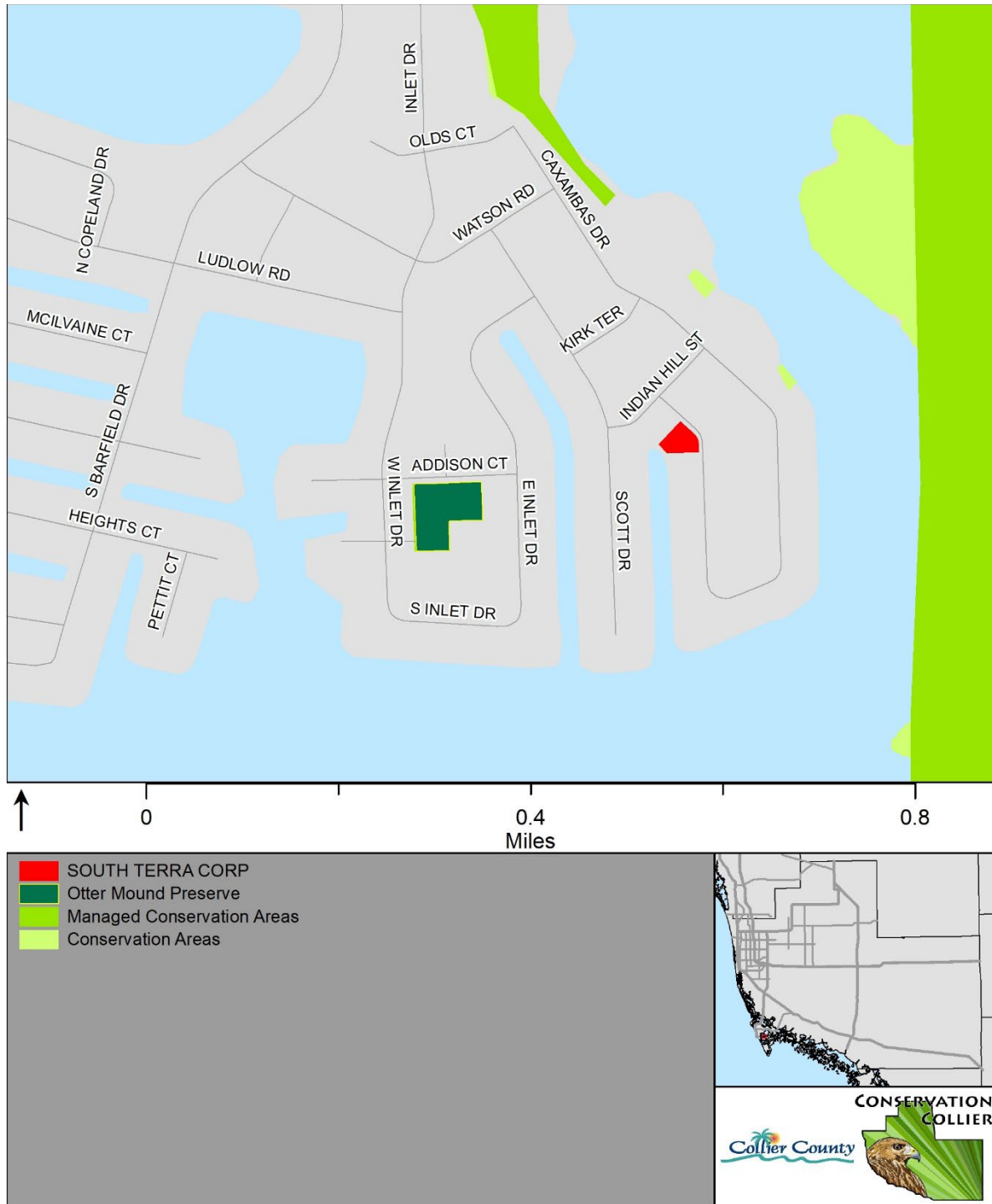


Figure 14 - Conservation Lands

3.2 Human Values

3.2.1 Recreation

This parcel is bordered by a road along its entire eastern edge. Birdwatching and photography would be encouraged from the road right of way. Providing access to the parcel with a short trail would not be recommended due to the small size of the parcel and the sensitivity of the vegetation and gopher tortoise burrows.

3.2.2 Accessibility

The parcel would be visible from a public road. No pedestrian or vehicular access onto the parcel would be recommended. The parcel is within walking distance of many residences and street parking is available. Creating parking within the parcel would also not be recommended because of its small size, native vegetation, and wildlife utilization. If this parcel is acquired along with other parcels in the area, Conservation Collier will coordinate with the City of Marco Island regarding parking. Depending on location, the City of Marco Island has offered to assist in providing off-street parking on pervious material and the installation of signage consistent with the City's Land Development Codes.

3.2.3 Aesthetic/Cultural Enhancement

This parcel is in the Urban Target Protection Area on Marco Island and has access from a public road. The parcel provides wildlife viewing and greenspace in a neighborhood where nearly every lot is developed. The parcel is too small to accommodate trails but can be enjoyed from the side of the road.

Archaeological Site 8CR107 encompasses the entire subject parcel. The Caxambas Point Shell Midden (8CR107) is characterized as an extensive multi-component black-earth and shell midden site covering most of the Caxambas area, which dates to the Late Archaic Period (4950-2700 B.P.) and the Glades I Period (2700-1200 B.P.). Additionally, significant prehistoric and historic cultural resources were uncovered within the adjacent property to the north of this parcel. It is highly likely that significant cultural resources also exist on the South Terra Corp parcel.



Figure 15 – View of parcel looking north

3.3 Restoration and Management

3.3.1 Vegetation Management

3.3.1.1 Invasive Vegetation

Approximately 25% of the parcel is covered with invasive vegetation – 50% of the vegetated portion. Brazilian pepper and mother-in-laws tongue is quite thick in some areas.

3.3.1.2 Prescribed Fire

Prescribed fire would not be a necessary component of managing this parcel.

3.3.2 Remediation and Site Security

No site security issues appear to exist within the parcel apart from minimal littering. Educational signage regarding the importance of the parcel for native wildlife could be installed to discourage trespass and littering.

3.3.3 Assistance

Assistance with gopher tortoise monitoring on this parcel will be provided by the Audubon of the Western Everglades.

3.4 Vulnerability

3.4.1 Zoning and Land Use

The parcel is zoned RSF-3, Residential Single Family. Residential Single Family Districts are intended to be single-family residential areas of low density. Permitted uses include single-family dwellings, family care facilities (subject to the Land Development Code), and public parks and open space. The Future Land Use of the parcel is Low Density Residential – 0-4 units per acre. The lot is vulnerable to development for a home.



Figure 16 – Zoning

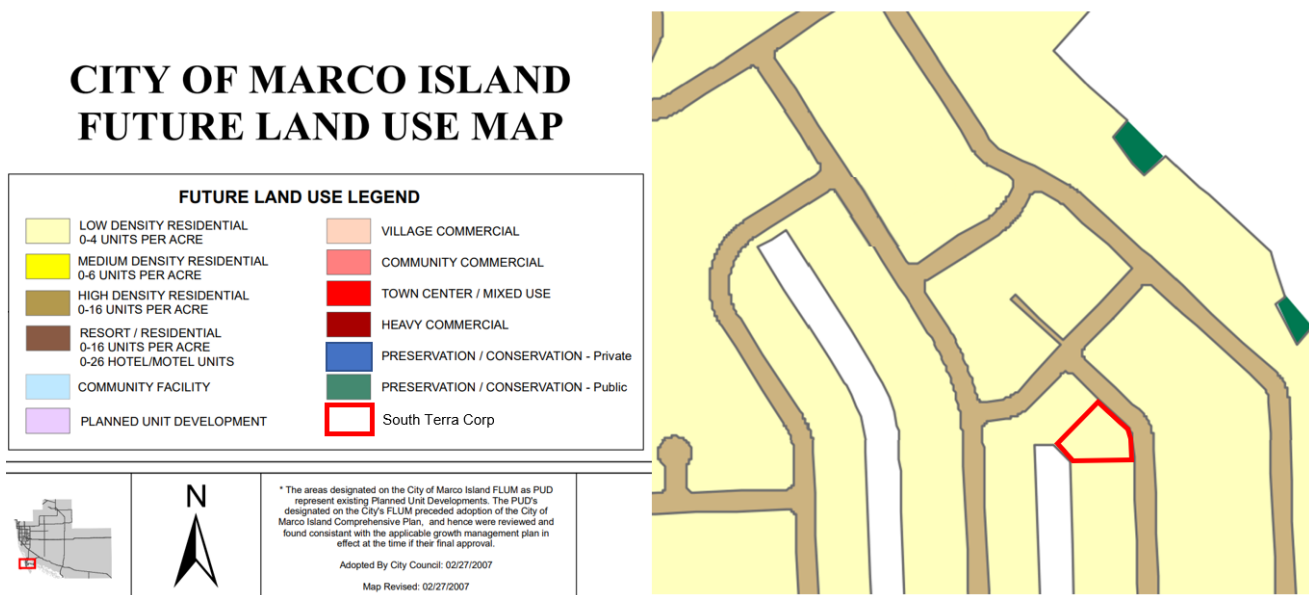


Figure 17 –Future Land Use

3.4.2 Development Plans

The parcel is not currently planned for development; however, its location near developed residential lots along a roadway makes it vulnerable to development. Although the gopher tortoises present on the parcel would make development cost prohibitive, development is still possible.

4. Acquisition Considerations

Staff has no Acquisition Considerations at this time. However, if the Advisory Committee has Considerations expressed during the review of the ICSR and/or the Ranking meeting, staff will carry those forward in the Executive Summary to the Board of County Commissioners.

5. Management Needs and Costs

Table 6 - Estimated Costs of Site Remediation, Improvements, and Management

Management Element	Initial Cost	Annual Recurring Cost	Comments
Invasive Vegetation Removal	\$2,000	\$500	Initial cost based on costs at Otter Mound Preserve
Native planting	\$4,000		
Signage	\$5,000	\$100	Educational signage and signage denoting the property as Conservation Collier preserve
TOTAL	\$11,000	\$600	

If acquired staff would recommend planting the southern half of the parcel with native species that are desirable forage for gopher tortoise.

6. Potential for Matching Funds

The primary partnering agencies for conservation acquisitions, and those identified in the ordinance are the Florida Communities Trust (FCT) and The Florida Forever Program. The following highlights potential for partnering funds, as communicated by agency staff.

Florida Communities Trust - Parks and Open Space Florida Forever grant program: The FCT Parks and Open Space Florida Forever grant program provides grant funds to local governments and nonprofit organizations to acquire conservation lands, urban open spaces, parks and greenways. Application for this program is typically made for pre-acquired sites up to two years from the time of acquisition. The Parks and Open Space Florida Forever grant program assists the Department of Environmental Protection in helping communities meet the challenges of growth, supporting viable community development and protecting natural resources and open space. The program receives 21 percent Florida Forever appropriation.

Florida Forever Program: Staff has been advised that the Florida Forever Program is concentrating on funding parcels already included on its ranked priority list. This parcel is not inside a Florida Forever priority project boundary. Additionally, the Conservation Collier Program has not been successful in

partnering with the Florida Forever Program due to conflicting acquisition policies and issues regarding joint title between the programs.

Additional Funding Sources: There are no additional funding sources known at this time.

7. Secondary Criteria Scoring Form

Property Name: South Terra Corp			
Target Protection Mailing Area: Marco Island			
Folio(s): 58105440009			
Secondary Criteria Scoring	Possible Points	Awarded Points	Percentage
1 - Ecological Value	160	72	45
2 - Human Value	80	39	48
3 - Restoration and Management	80	80	100
4 - Vulnerability	80	62	78
TOTAL SCORE	400	253	63

1 - ECOLOGICAL VALUES (40% of total)	Possible Points	Awarded Points	Comments
1.1 VEGETATIVE COMMUNITIES	200	150	
1.1.1 - Priority natural communities (Select highest score)			
a. Parcel contains CLIP4 Priority 1 communities (1130 - Rockland Hammock, 1210 - Scrub, 1213 - Sand Pine Scrub, 1214 - Coastal Scrub, 1312 - Scrubby Flatwoods, 1610 - Beach Dune, 1620 - Coastal Berm, 1630 - Coastal Grasslands, 1640 - Coastal Strand, or 1650 - Maritime Hammock)	100	100	NW portion is coastal scrub
b. Parcel contains CLIP4 Priority 2 communities (22211 - Hydric Pine Flatwoods, 2221 - Wet Flatwoods, or 1311 - Mesic Flatwoods)	60		
c. Parcel contains CLIP4 Priority 3 communities (5250 - Mangrove Swamp, or 5240 - Salt Marsh)	50		
d. Parcel contains CLIP4 Priority 4 communities (5250 - Mangrove Swamp)	25		
1.1.2 - Plant community diversity (Select the highest score)			
a. Parcel has \geq 3 CLC native plant communities (Florida Cooperative Land Cover Classification System native plant communities)	20		
b. Parcel has \leq 2 CLC native plant communities	10	10	coastal scrub; remnant hammock
c. Parcel has 0 CLC native plant communities	0		
1.1.3 - Listed plant species (excluding commercially exploited species) (Select the highest score)			
a. Parcel has \geq 5 CLC listed plant species	30		

b. Parcel has 3-4 CLC listed plant species	20		
c. Parcel has ≤ 2 CLC listed plant species	10		<i>Tillandsia fasciculata and utriculata</i>
d. Parcel has 0 CLC listed plant species	0		
1.1.4 - Invasive Plant Infestation (Select highest score)			
a. 0 - 10% infestation	50		
b. 10 - 25% infestation	40	40	
c. 25 - 50% infestation	30		
d. 50 - 75% infestation	20		
e. ≥75% infestation	10		
1.2 - WILDLIFE COMMUNITIES	100	100	
1.2.1 - Listed wildlife species (Select the highest score)			
a. Listed wildlife species documented on the parcel	80	80	gopher tortoise
b. Listed wildlife species documented on adjacent property	60		
c. CLIP Potential Habitat Richness ≥5 species	40		
d. No listed wildlife documented near parcel	0		
1.2.2 - Significant wildlife habitat (Rookeries, roosts, denning sites, nesting grounds, high population densities, etc) (Select highest score)			
a. Parcel protects significant wildlife habitat (Please describe)	20	20	large gopher tortoise population
b. Parcel enhances adjacent to significant wildlife habitat (Please describe)	10		
c. Parcel does not enhance significant wildlife habitat	0		
1.3 - WATER RESOURCES	100	20	
1.3.1 - Aquifer recharge (Select the highest score)			
a. Parcel is located within a wellfield protection zone or within a CLIP4 Aquifer Recharge Priority 1 area	40		
b. Parcel is located within a CLIP4 Aquifer Recharge Priority 2 or 3 area	30		
c. Parcel is located within a CLIP4 Aquifer Recharge Priority 4 or 5 area	20		
d. Parcel is located within a CLIP4 Aquifer Recharge Priority 6 area	0	0	
1.3.2 - Surface Water Protection (Select the highest score)			
a. Parcel is contiguous with and provides buffering for an Outstanding Florida Waterbody	30		
b. Parcel is contiguous with and provides buffering for a creek, river, lake, canal or other surface water body	20	20	
c. Parcel is contiguous with and provides buffering for an identified flowway	15		

d. Wetlands exist on site	10		
e. Parcel does not provide opportunities for surface water quality enhancement	0	0	
1.3.3 - Floodplain Management (Select all that apply)			
a. Parcel has depressional or slough soils	10		
b. Parcel has known history of flooding and is likely to provide onsite water attenuation	10		
c. Parcel provides storm surge buffering	10		
d. Parcel does not provide floodplain management benefits	0	0	
1.4 - ECOSYSTEM CONNECTIVITY	200	0	
1.4.1 - Acreage (Select Highest Score)			
a. Parcel is ≥ 300 acres	150		
b. Parcel is ≥ 100 acres	100		
b. Parcel is ≥ 50 acres	75		
c. Parcel is ≥ 25 acres	25		
d. Parcel is ≥ 10 acres	15		
e. Parcel is < 10 acres	0	0	
1.4.2 - Connectivity (Select highest score)			
a. Parcel is immediately contiguous with conservation lands	50		
b. Parcel is not immediately contiguous, but parcels between it and nearby conservation lands are undeveloped	25		
c. Parcel is isolated from conservation land	0	0	
ECOLOGICAL VALUES TOTAL POINTS	600	270	
ECOLOGICAL VALUES WEIGHTED SCORE (Awarded Points/Possible Points*160)	160	72	

2 - HUMAN VALUES (20%)	Possible Points	Awarded Points	Comments
2.1 - RECREATION	120	20	
2.1.1 - Compatible recreation activities (Select all that apply)			
a. Hunting	20		
b. Fishing	20		
c. Water-based recreation (paddling, swimming, etc)	20		
d. Biking	20		
e. Equestrian	20		
f. Passive natural-resource based recreation (Hiking, photography, wildlife watching, environmental education, etc)	20	20	
g. Parcel is incompatible with nature-based recreation	0		
2.2 - ACCESSIBILITY	120	90	
2.2.1 - Seasonality (Select the highest score)			
a. Parcel accessible for land-based recreation year round	20	20	
b. Parcel accessible for land-based recreation seasonally	10		

c. Parcel is inaccessible for land-based recreation	0		
2.2.2 - Vehicle access (Select the highest score)			
a. Public access via paved road	50	50	
b. Public access via unpaved road	30		
c. Public access via private road	20		
d. No public access	0		
2.2.3 - Parking Availability (Select the highest score)			
a. Minor improvements necessary to provide on-site parking	40		
b. Major improvements necessary to provide on-site parking (Requires site development plan)	25		
b. Public parking available nearby or on adjacent preserve	20		
c. Street parking available	10	10	
d. No public parking available	0		
2.2.4 - Pedestrian access (Select the highest score)			
a. Parcel is easily accessible to pedestrians (within walking distance of housing development)	10	10	
b. Parcel is not easily accessible to pedestrians	0		
2.3 - AESTHETICS/CULTURAL ENHANCEMENT	40	25	
2.3.1 - Aesthetic/cultural value (Choose all that apply)			
a. Mature/outstanding native vegetation	5		
b. Scenic vistas	5		
c. Frontage enhances aesthetics of public thoroughfare	10	10	
d. Archaeological/historical structures present	15	15	
e. Other (Please describe)	5		
f. None	0		
HUMAN VALUES TOTAL SCORE	280	135	
HUMAN VALUES WEIGHTED SCORE (Awarded Points/Possible Points*80)	80	39	

3 - RESTORATION AND MANAGEMENT (20%)	Possible Points	Awarded Points	Comments
3.1 - VEGETATION MANAGEMENT	120	120	
3.1.1 - Invasive plant management needs (Select the highest score)			
a. Minimal invasive/nuisance plant management necessary to restore and maintain native plant communities (<30%)	100	100	Will also need to plant cleared area
b. Moderate invasive/nuisance plant management necessary to restore and maintain native plant communities (30-65%)	75		
c. Major invasive/nuisance plant management necessary to restore and maintain native plant communities (>65%)	50		

d. Major invasive/nuisance plant management and replanting necessary to restore and maintain native plant communities (>65%)	25		
e. Restoration of native plant community not feasible	0		
3.1.2 - Prescribed fire necessity and compatibility (Select the highest score)			
a. Parcel contains fire dependent plant communities and is compatible with prescribed fire or parcel does not contain fire dependent plant communities	20	20	
b. Parcel contains fire dependent plant communities and is incompatible with prescribed fire	0		
3.2 - REMEDIATION AND SITE SECURITY	50	50	
3.2.1 - Site remediation and human conflict potential (Dumping, contamination, trespassing, vandalism, other) (Select the highest score)			
a. Minimal site remediation or human conflict issues predicted	50	50	
b. Moderate site remediation or human conflict issues predicted (Please describe)	20		
c. Major site remediation or human conflict issues predicted (Please describe)	5		
d. Resolving site remediation or human conflict issues not feasible	0		
3.3 - ASSISTANCE	5	5	
3.3.1 - Management assistance by other entity			
a. Management assistance by other entity likely	5	5	AWE gopher tort
b. Management assistance by other entity unlikely	0		
RESTORATION AND MANAGEMENT TOTAL SCORE	175	175	
RESTORATION AND MANAGEMENT WEIGHTED SCORE (Awarded Points/Possible Points*80)	80	80	

4 - VULNERABILITY (20%)	Possible Points	Awarded Points	Comments
4.1 - ZONING AND LAND USE	130	130	
4.1.1 - Zoning and land use designation (Select the highest score)			
a. Zoning allows for Single Family, Multifamily, industrial or commercial	100	100	
b. Zoning allows for density of no greater than 1 unit per 5 acres	75		
c. Zoning allows for agricultural use /density of no greater than 1 unit per 40 acres	50		
d. Zoning favors stewardship or conservation	0		
4.1.2 - Future Land Use Type (Select the highest score)			
a. Parcel designated Urban	30	30	
b. Parcel designated Estates, Rural Fringe Receiving and Neutral, Agriculture	25		

c. Parcel designated Rural Fringe Sending, Rural Lands Stewardship Area	5		
d. Parcel is designated Conservation	0		
4.2 - DEVELOPMENT PLANS	50	10	
4.2.1 - Development plans (Select the highest score)			
a. Parcel has been approved for development	20		
b. SFWMD and/or USACOE permit has been applied for or SDP application has been submitted	15		
c. Parcel has no current development plans	0	0	
4.2.2 - Site characteristics amenable to development (Select all that apply)			
a. Parcel is primarily upland	10	10	
b. Parcel is along a major roadway	10		
c. Parcel is >10 acres	5		
d. Parcel is within 1 mile of a current or planned commercial or multi-unit residential development	5		
VULNERABILITY TOTAL SCORE	180	140	
VULNERABILITY WEIGHTED SCORE (Awarded Points/Possible Points*80)	80	62	

8. Additional Site Photos



Tough bully



Prickly pear



Coinvine with Brazilian pepper in background



Guineagrass



Old propane tank with Mother-in-law's tongue



Gumbo limbo and cabbage palm

APPENDIX 1 – Critical Lands and Water Identification Maps (CLIP) Definitions

This report makes use of data layers from the Florida Natural Areas Inventory and University of Florida Critical Lands and Waters Identification Project (CLIP4). CLIP4 is a collection of spatial data that identify statewide priorities for a broad range of natural resources in Florida. It was developed through a collaborative effort between the Florida Areas Natural Inventory (FNAI), the University of Florida GeoPlan Center and Center for Landscape Conservation Planning, and the Florida Fish and Wildlife Conservation Commission (FWC). It is used in the Florida Forever Program to evaluate properties for acquisition. CLIP4 is organized into a set of core natural resource data layers which are representative of 5 resource categories: biodiversity, landscapes, surface water, groundwater and marine. The first 3 categories have also been combined into the Aggregated layer, which identifies 5 priority levels for natural resource conservation.

Below is a description of each of the three CLIP4 data layers used in this report.

Figure 4 - CLIP4 Priority Natural Communities

Consists of 12 priority natural community types: upland glades, pine rocklands, seepage slopes, scrub, sandhill, sandhill upland lakes, rockland hammock, coastal uplands, imperiled coastal lakes, dry prairie, upland pine, pine flatwoods, upland hardwood forest, or coastal wetlands. These natural communities are prioritized by a combination of their heritage global status rank (G-rank) and landscape context, based on the Land Use Intensity Index (subset of CLIP Landscape Integrity Index) and FNAI Potential Natural Areas. Priority 1 includes G1-G3 communities with Very High or High landscape context. Priority 2 includes G1-G3 Medium and G4 Very High/High. Priority 3 includes G4 Medium and G5 Very High/High. Priority 5 is G5 Medium.

This data layer was created by FNAI originally to inform the Florida Forever environmental land acquisition program. The natural communities were mapped primarily based on the FNAI/FWC Cooperative Land Cover (CLC) data layer, which is a compilation of best-available land cover data for the entire state. The CLC is based on both remote-sensed (from aerial photography, primarily from water management district FLUCCS data) and ground-truthed (from field surveys on many conservation lands) data.

Figure 9. Potential Habitat Richness CLIP4 Map

This CLIP version 4.0 data layer is unchanged from CLIP v3.0. FWC Potential Habitat Richness. Because SHCAs do not address species richness, FWC also developed the potential habitat richness layer to identify areas of overlapping vertebrate species habitat. FWC created a statewide potential habitat model for each species included in their analysis. In some cases, only a portion of the potential habitat was ultimately designated as SHCA for each species. The Potential Habitat Richness layer includes the entire potential habitat model for each species and provides a count of the number of species habitat models occurring at each location. The highest number of focal species co-occurring at any location in the model is 13.

Figure 17: CLIP4 Aquifer Recharge Priority and Wellfield Protection Zones

High priorities indicate high potential for recharge to an underlying aquifer system (typically the Floridan aquifer but could be intermediate or surficial aquifers in some portions of the state). The highest priorities indicate high potential for recharge to springs or public water supplies. This figure also includes Wellfield Protection Zones. Collier County Wellfield Protection Zones are referenced in the Land Development Code and updated in 2010 by Pollution Control and Prevention Department Staff. The public water supply wellfields, identified in section 3.06.06 and permitted by the SFWMD for potable water to withdraw a minimum of 100,000 average gallons per day (GPD), are identified as protected wellfields, around which specific land use and activity (regulated development) shall be regulated under this section.