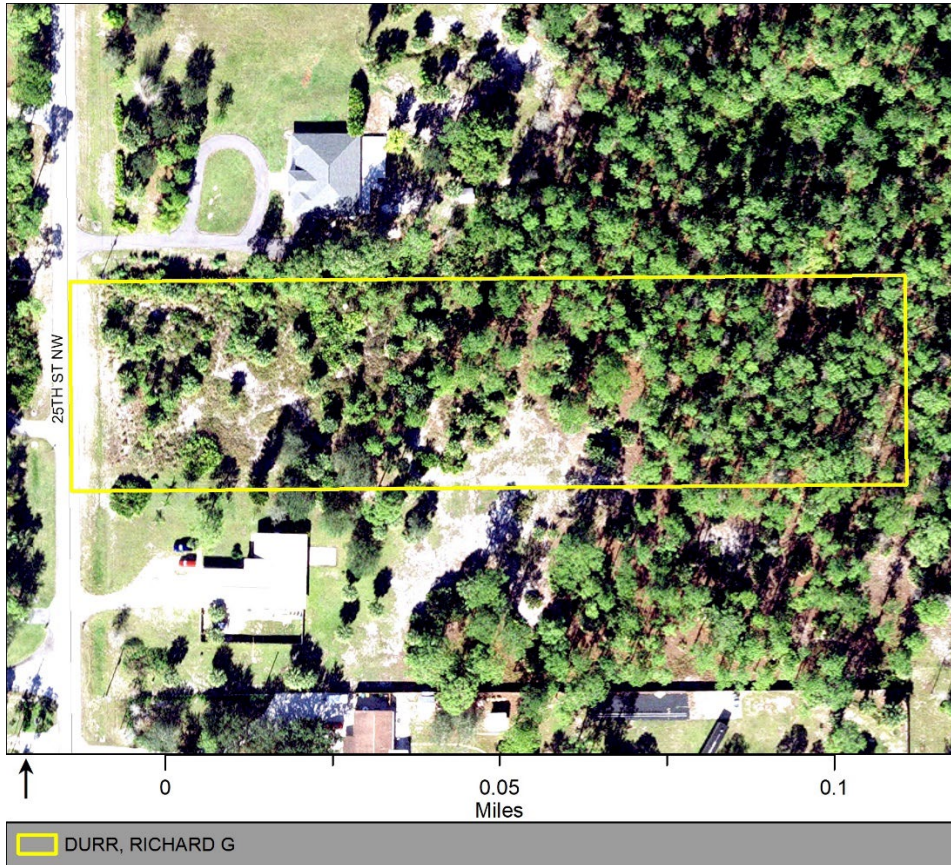


Conservation Collier Initial Criteria Screening Report

Durr/Roemer



Owner Name: Richard G. Durr & Louise M. Roemer

Size: 2.5 acres

Folio Number: 36867840105

Staff Report Date: September 11, 2024

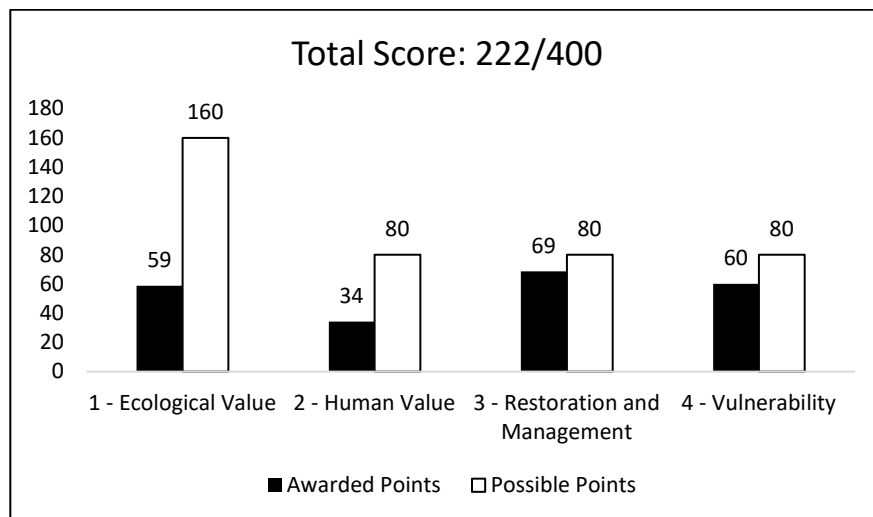


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1. Introduction

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 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

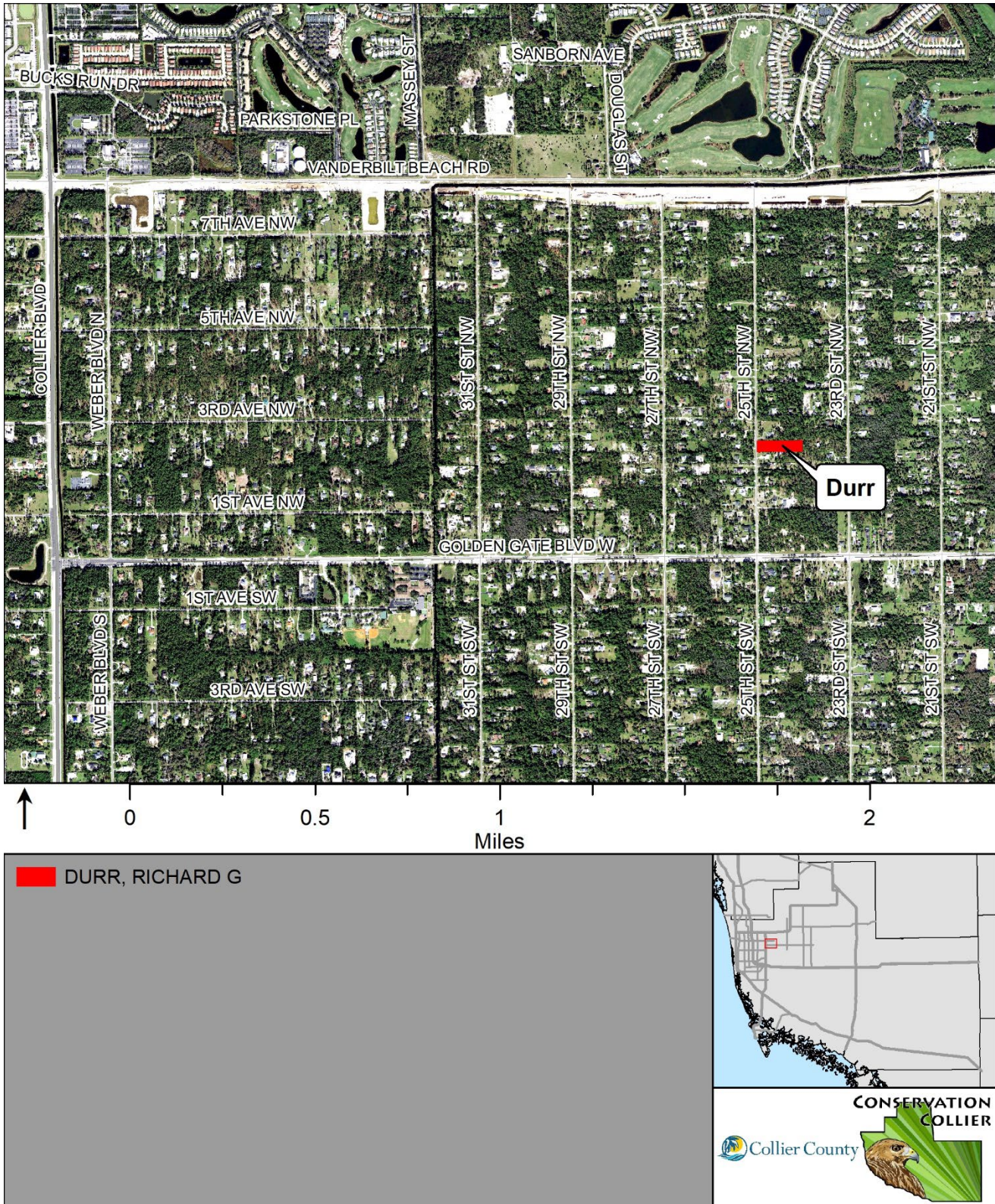


Figure 1 - Parcel Location Overview

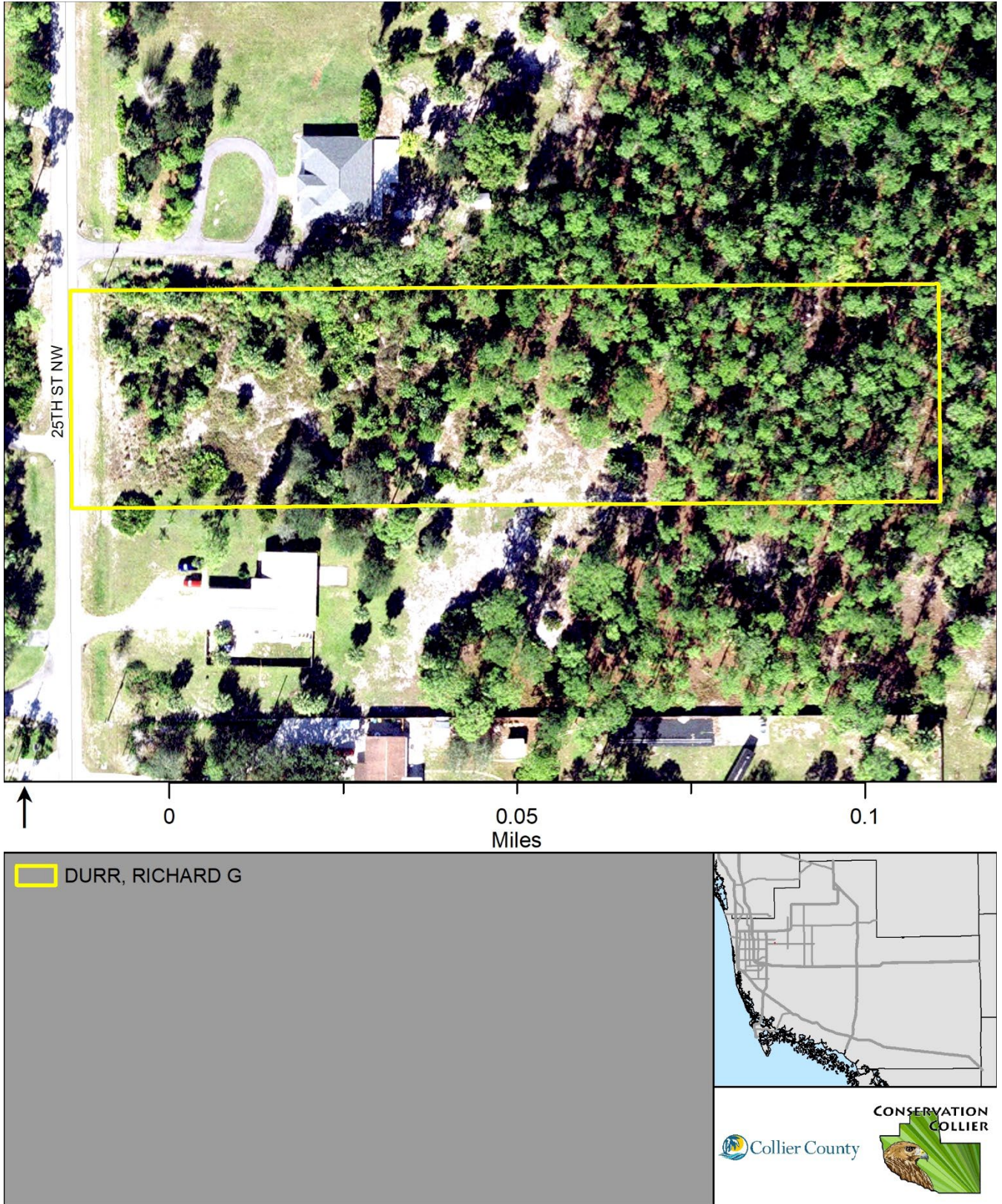


Figure 2 - Parcel Close-up

2.1 Summary of Property Information

Table 1 – Summary of Property Information

Characteristic	Value	Comments
Name	Durr-Roemer	Richard G. Durr & Louise M. Roemer
Folio Number	36867840105	
Target Protection Area	NGGE	Not within a Target Protection Mailing Area
Size	2.5 acres	
Section, Township, and Range	S1, Twn 49, R25	
Zoning Category/TDRs	Estates	Maximum density is 1 unit per 2.25 acres
FEMA Flood Map Category	Primarily AH with small area of X500 on west edge	<u>AH</u> - area close to water hazard that has a one percent chance of experiencing shallow flooding between one and three feet each year <u>X500</u> - area between the limits of the base flood and the 0.2-percent-annual-chance (or 500-year) flood
Existing structures	None observed	
Adjoining properties and their Uses	Developed Estates lots	Parcel is surrounded by developed Estates lots on all sides with 25 th St NW bordering its west side
Development Plans Submitted	None	
Known Property Irregularities	None known	
Other County Dept Interest	None known	

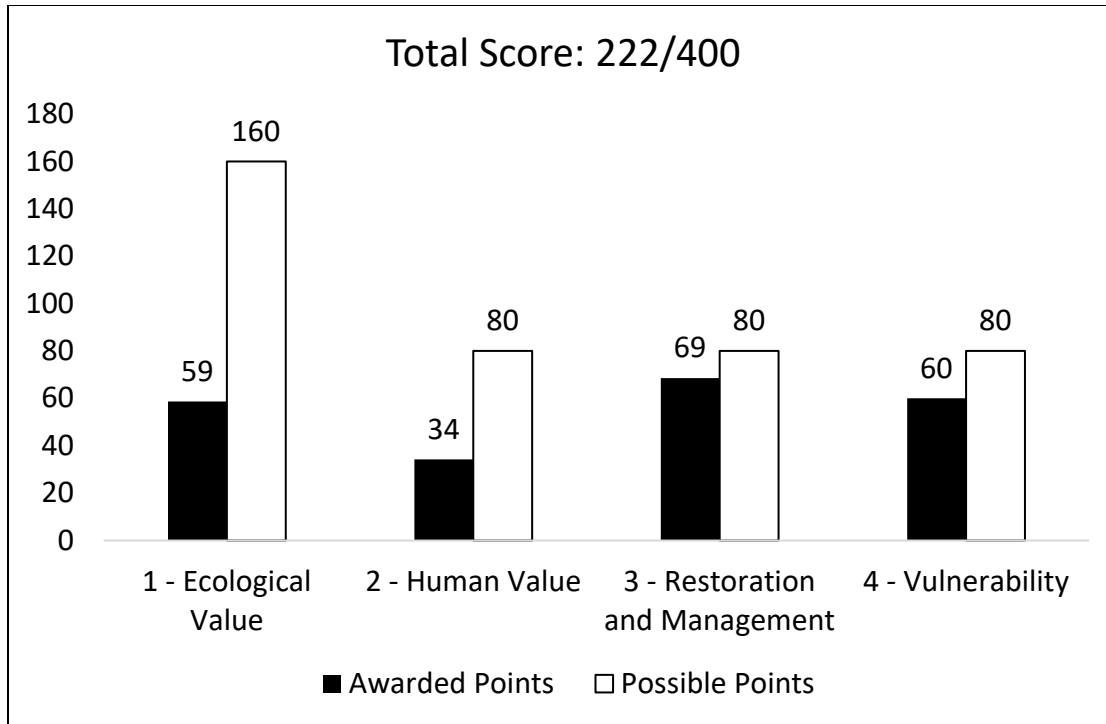


Figure 3 - Secondary Criteria Score

Table 2 - Secondary Criteria Score Summary

Criteria	Awarded Weighted Points	Possible Weighted Points	Awarded/Possible Points
1 - Ecological Value	59	160	37%
1.1 - Vegetative Communities	35	53	65%
1.2 - Wildlife Communities	21	27	80%
1.3 - Water Resources	3	27	10%
1.4 - Ecosystem Connectivity	0	53	0%
2 - Human Values	34	80	43%
2.1 - Recreation	6	34	17%
2.2 - Accessibility	26	34	75%
2.3 - Aesthetics/Cultural Enhancement	3	11	25%
3 - Restoration and Management	69	80	86%
3.1 - Vegetation Management	46	55	83%
3.2 - Remediation and Site Security	23	23	100%
3.3 - Assistance	0	2	0%
4 - Vulnerability	60	80	75%
4.1 - Zoning and Land Use	56	58	96%
4.2 - Development Plans	4	22	20%
Total	222	400	55%

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 this property, an appraisal by an independent Real Estate Appraiser will be obtained at that time. Pursuant to the Conservation Collier Purchase Policy, one appraisal is required for the Diveley Trust parcel, which have an initial estimated valuation less than \$500,000; 1 independent Real Estate Appraiser will value the subject property and that appraisal report will be used to determine the offer made to the seller.

Table 3. Assessed & Estimated Value

Property owner	Address	Acreage	Assessed Value*	Estimated Value**
Richard G. Durr & Louise M. Roemer	No address	2.5	\$197,500	TBD

* Assessed Value is obtained from the Property Appraiser’s Website. Because this lot was split after the final tax roll, the Assessed Value was listed as \$0. The value in the table matches similar, vegetated, undeveloped lots in the immediate area.

**The Estimated Value for the parcel will be obtained from the Collier County Real Estate Services Department prior to BCC ranking.

2.2.1 Zoning, Growth Management and Conservation Overlays

Zoning, growth management and conservation overlays will affect the value of a parcel. This parcel is zoned Estates. Maximum density is 1 unit per 2.25 acres or per lot. The lot could be split to accommodate 2 homes.

2.3 Summary of Initial Screening Criteria Satisfaction (Ord. 2002-63, as amended, Sec. 12)

Criteria 1: CLIP Priority 1 Natural Community

Does the property contain Upland Hardwood Forest, Scrub, Coastal Upland, Dry Prairie, or Upland Pine? **NO**

Parcel does not contain CLIP Priority 1 Natural Community. Mapped as Residential, Low Density and Mesic Flatwoods; contains Pine Flatwoods and Mesic Flatwoods.

Criteria 2: CLIP Priority 2 Natural Community

Does the property contain Pine Flatwoods or Coastal Wetlands? **YES**

Parcel contains Pine Flatwoods and Mesic Flatwoods.

Criteria 3: Other Native, Natural Communities

Does the property contain other native, natural communities? **NO**

Criteria 4: Human Social Values

Does the property offer cultural values, appropriate access for natural resource-based recreation, and the enhancement of the aesthetic setting of Collier County? **YES**

The property is accessible via 25th St NW. A short hiking trail could be established on the parcel; however, parking would only be available on the side of the street.

Criteria 5: 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, wildfire risk reduction, storm surge protection, and flood control? **NO**

Contains a small amount of mapped hydric soils, but no wetlands on site. Mapped as low aquifer recharge area.

Criteria 6: Biological and Ecological Value

Does the property offer significant biological values, including biodiversity and listed species habitat? **YES**

The parcel provides gopher tortoise habitat.

Criteria 7: 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**

Criteria 8: Target Area

Is the property within a Board-approved target protection mailing area? **NO**

The Durr/Roemer parcel met 3 out of the 8 Initial Screening Criteria.

3. Initial Screening Criteria

3.1 Ecological Values

3.1.1 Vegetative Communities

The plant communities present on the Durr/Roemer parcel include Pine Flatwoods to the west and Mesic Flatwoods to the east. Some areas within the Pine Flatwoods had been cleared and mowed, but have since been allowed to grow.

Florida slash pine (*Pinus elliotti* var. *densa*) dominates the canopy in both communities with occasional cabbage palm (*Sabal palmetto*) in both midstories. The midstory and groundcover of the Pine Flatwoods contain rusty lyonia (*Lyonia ferruginea*), saw palmetto (*Serenoa repens*), winged sumac (*Rhus copallinum*), bracken fern (*Pteridium aquilinum*), muscadine grape (*Vitis rotundifolia*), pineland heliotrope (*Euploca polyphylla*), grasses, herbaceous plants, and bare patches of sand. The midstory and groundcover of the Mesic Flatwoods contain occasional cypress (*Taxodium* spp.), saw palmetto, myrsine (*Myrsine cubana*), American beautyberry (*Callicarpa americana*), greenbrier (*Smilax* sp), poison ivy (*Toxicodendron radicans*), and muscadine grape. The ground is also covered with a thick layer of pine needles in the Mesic Flatwoods.

Invasive plants encountered include Caesar weed (*Urena lobata*), guineagrass (*Urochloa maxima*), lantana (*Lantana strigocamara*), Australian pine (*Casuarina* sp), and java plum (*Syzygium cumini*). The density of these exotics is less than 10%.

The state endangered cardinal air plant (*Tillandsia fasciculata*) was observed on the parcel during the site visit.

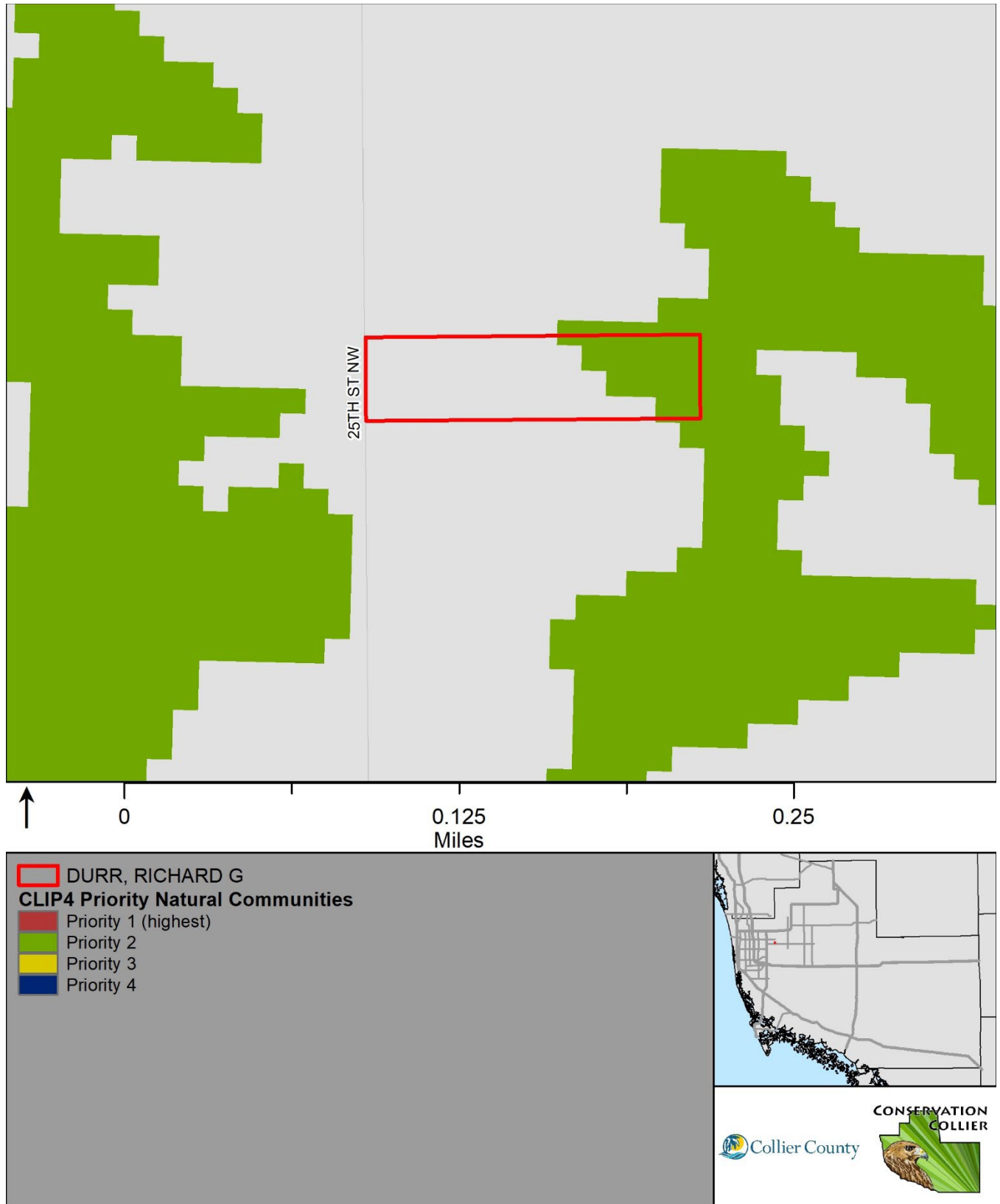


Figure 4 - CLIP4 Priority Natural Communities

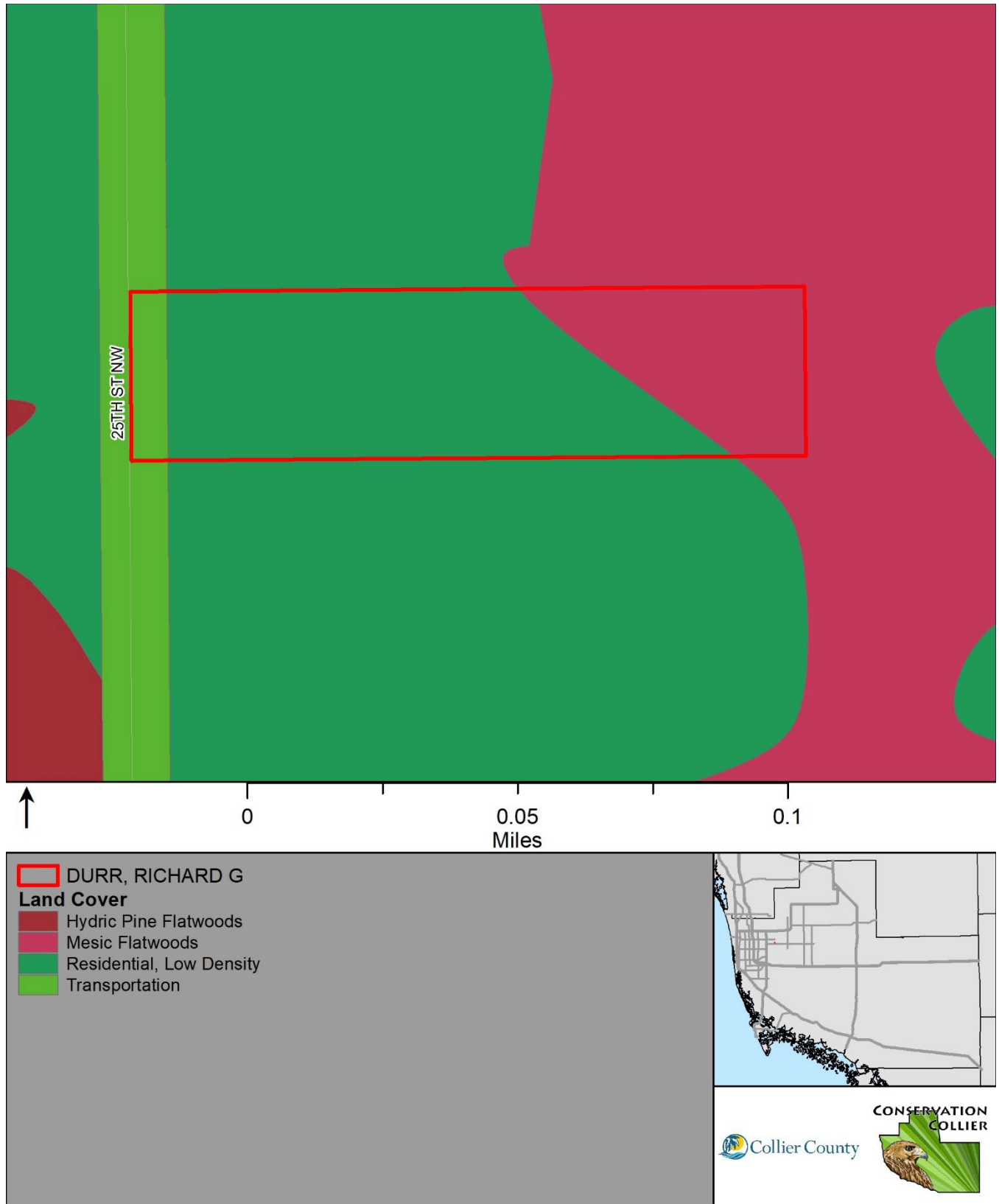


Figure 5 - Florida Cooperative Land Cover Classification System



Figure 6 – Mesic Flatwoods

3.1.2 Wildlife Communities

CLIP4 Species Richness Maps show potential for 2-4 focal species to utilize the property. The property is in an area of rural residential homes. Large mammals such as white-tailed deer, Florida black bear, and potentially, Florida panther are likely to utilize the parcel if in the area. Gopher tortoises are present on site.

Table 4 – Listed Wildlife Detected

Common Name	Scientific Name	State Status	Federal Status	Mode of Detection
Gopher Tortoise	<i>Gopherus polyphemus</i>	Threatened	N/A	Observed potentially occupied burrow during site visit

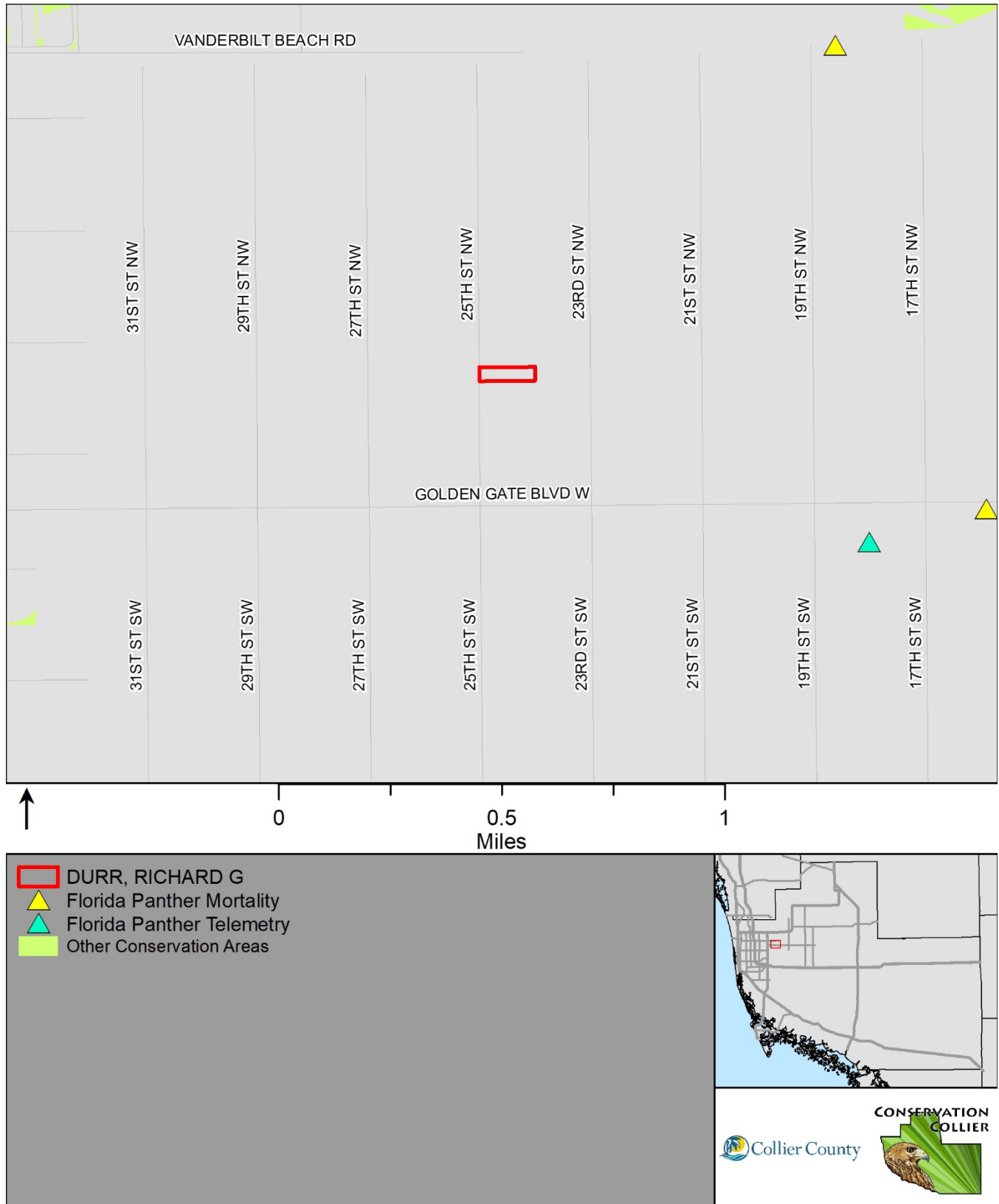


Figure 7 - Wildlife Spatial Data (i.e., telemetry, roosts, etc)

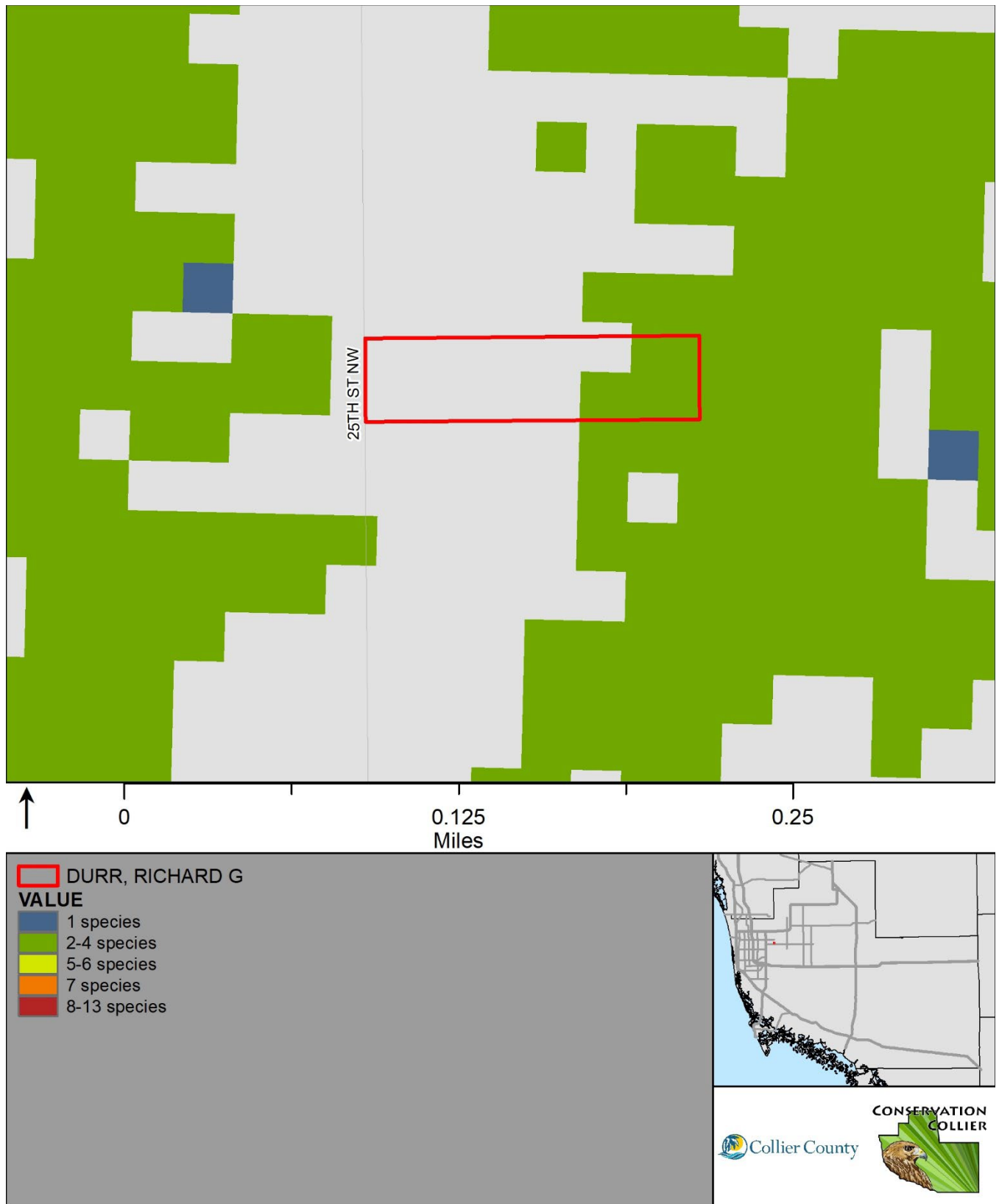


Figure 8 - CLIP4 Potential Habitat Richness

3.1.3 Water Resources

The parcel does not hold water during the wet season and does not provide significant aquifer recharge capacity. Although approximately 10% of the soils are mapped as hydric “Riviera Fine Sand, Limestone Substratum”, no wetlands exist on site.

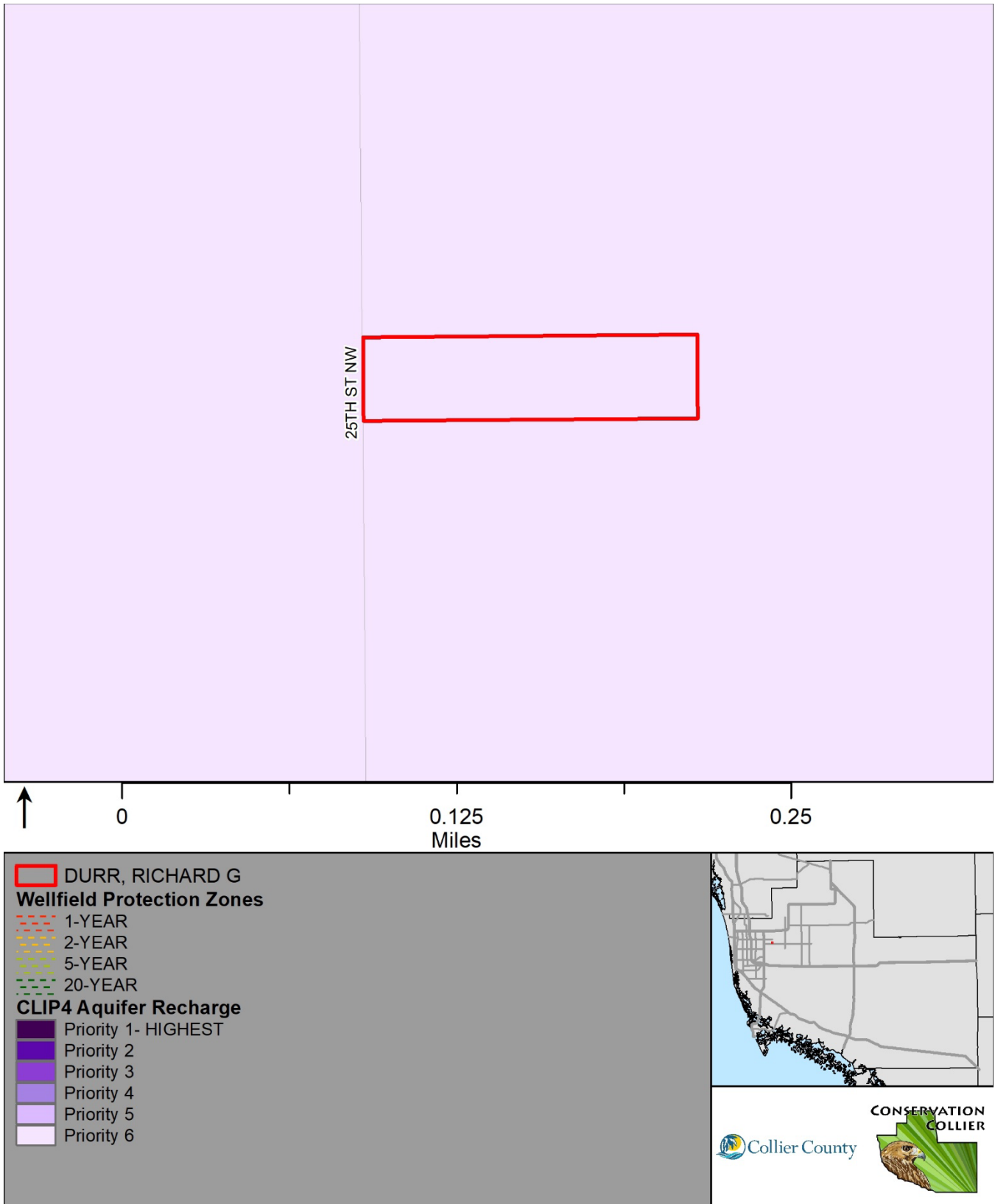


Figure 9 - CLIP4 Aquifer Recharge Priority and Wellfield Protection Zones

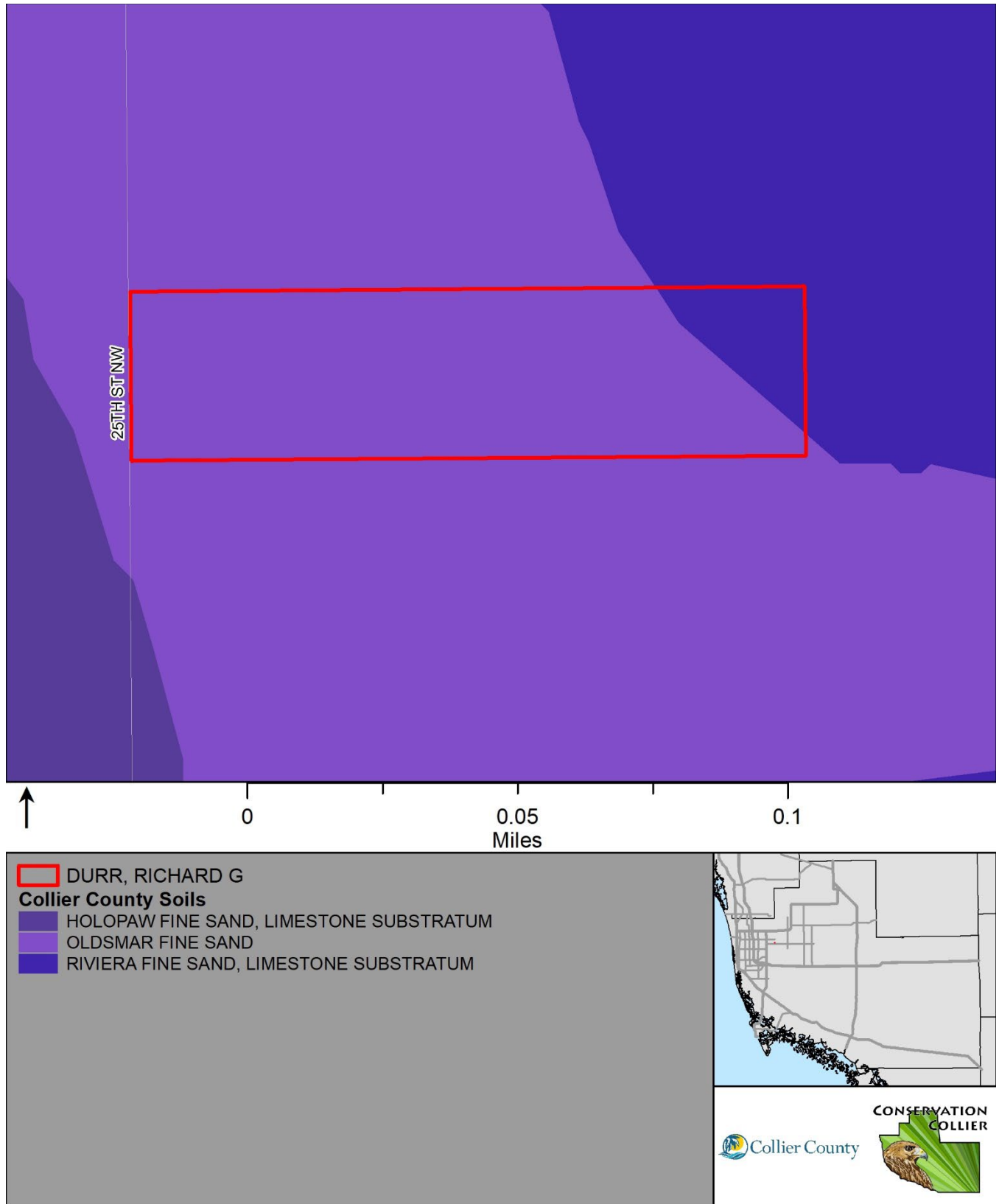


Figure 10 - Collier County Soil Survey

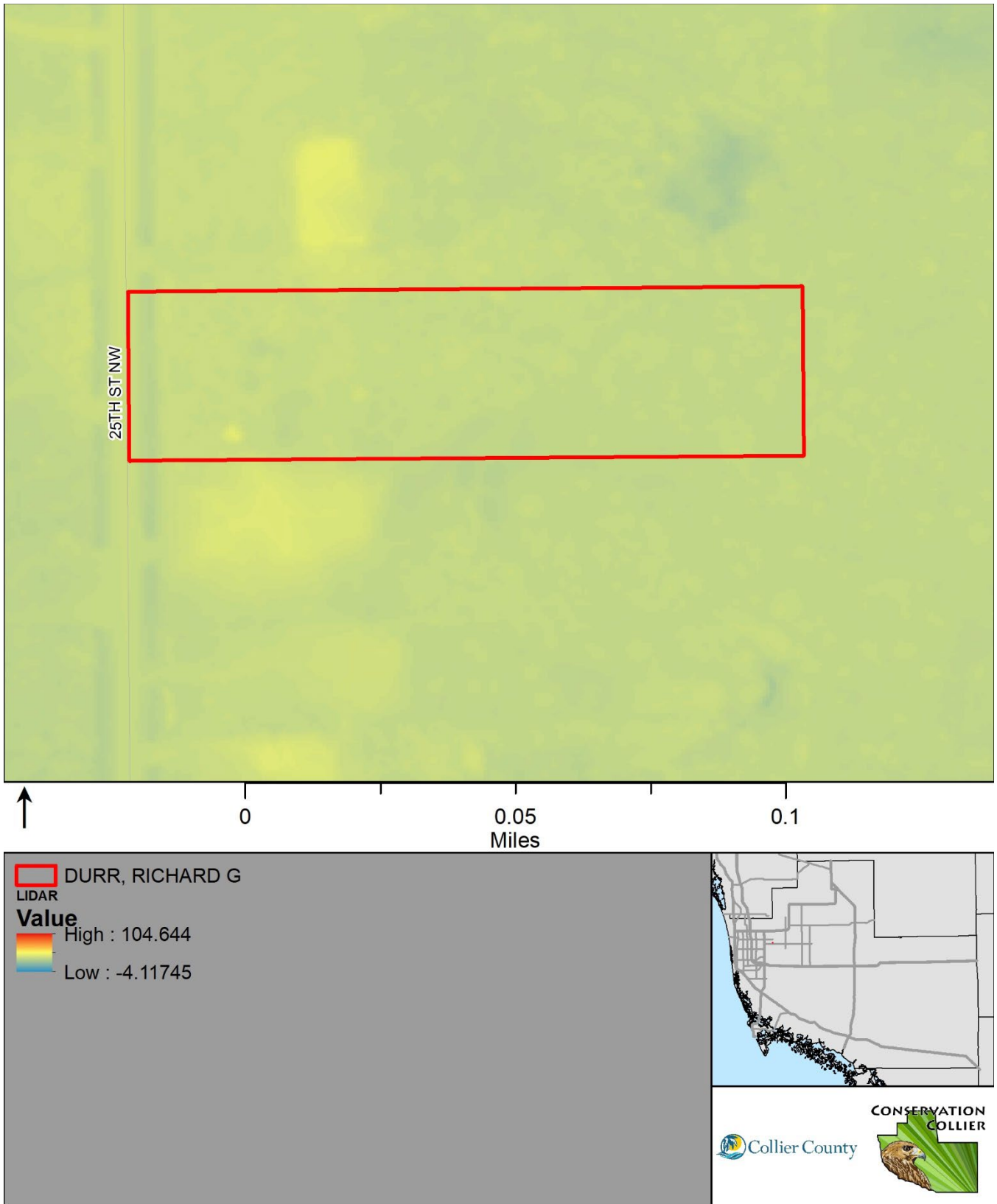


Figure 11 LIDAR Elevation Map

3.1.4 Ecosystem Connectivity

This parcel does not directly connect to existing conservation lands.

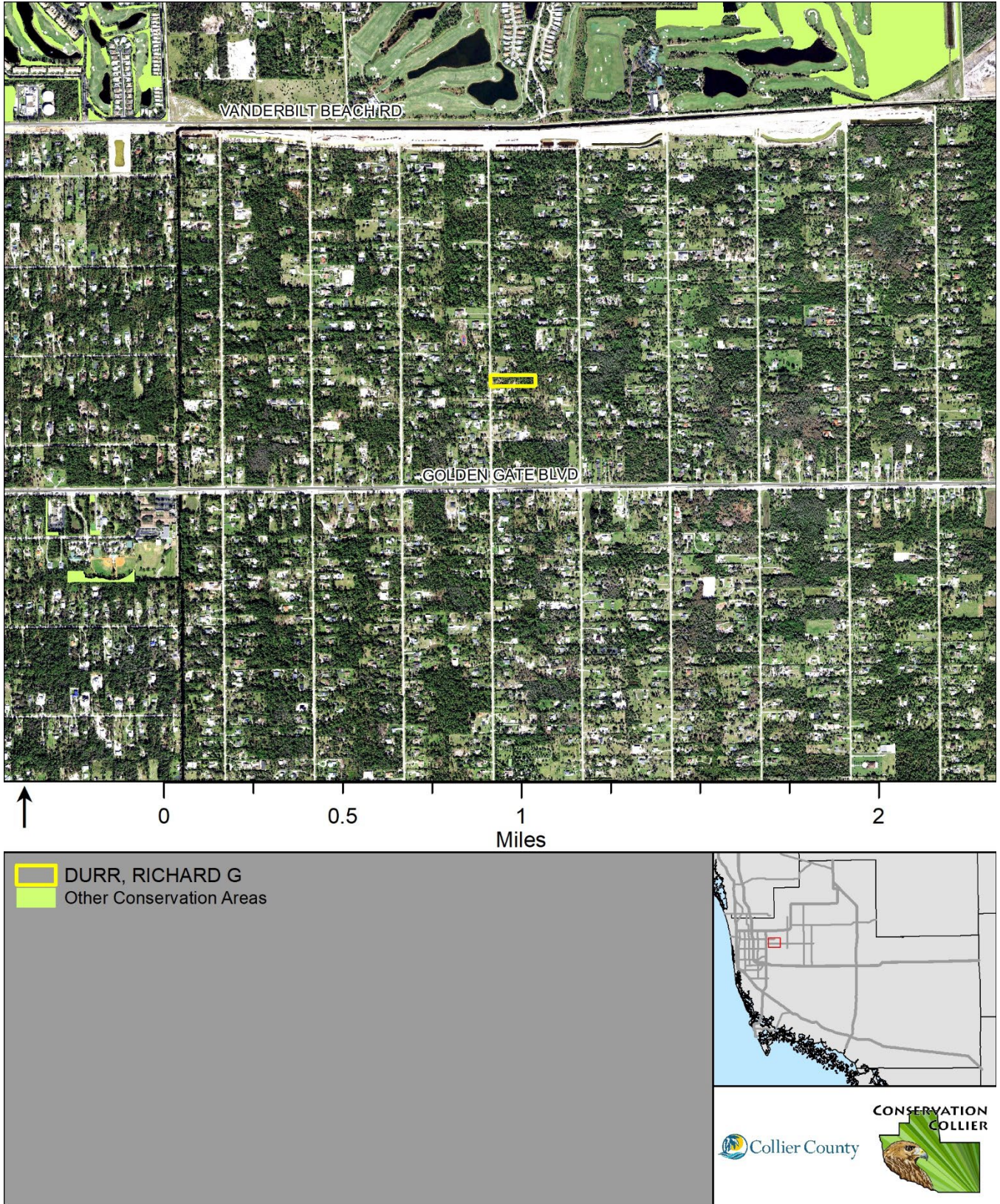


Figure 12 - Conservation Lands

3.2 Human Values

3.2.1 Recreation

This parcel would provide year-round access for limited recreational activities including hiking and bird watching.

3.2.2 Accessibility

The site is directly accessible from 25th St. NW. Street parking is available. On-site parking would impact gopher tortoise habitat and would most likely require a site plan and permitting

3.2.3 Aesthetic/Cultural Enhancement

This parcel provides no outstanding Aesthetic/Cultural Enhancement.

3.3 Restoration and Management

3.3.1 Vegetation Management

3.3.1.1 Invasive Vegetation

Invasive vegetation infestation rates are relatively low on this parcel. Invasive plants encountered include Caesar weed (*Urena lobata*), guineagrass (*Urochloa maxima*), lantana (*Lantana strigocamara*), Australian pine (*Casuarina* sp), and java plum (*Syzygium cumini*). The density of these exotics is less than 10%

3.3.1.2 Prescribed Fire

Although this parcel would benefit from prescribed burning, it would not be practical to burn a 2.5-acre stand-alone parcel.

3.3.2 Remediation and Site Security

The parcel primarily requires exotic plant removal. Fencing could be required if UTV trespass becomes a consistent issue.

3.3.3 Assistance

Assistance is not predicted.

3.4 Vulnerability

3.4.1 Zoning and Land Use

This parcel is zoned Estates, which allows 1 unit per 2.25 acres.

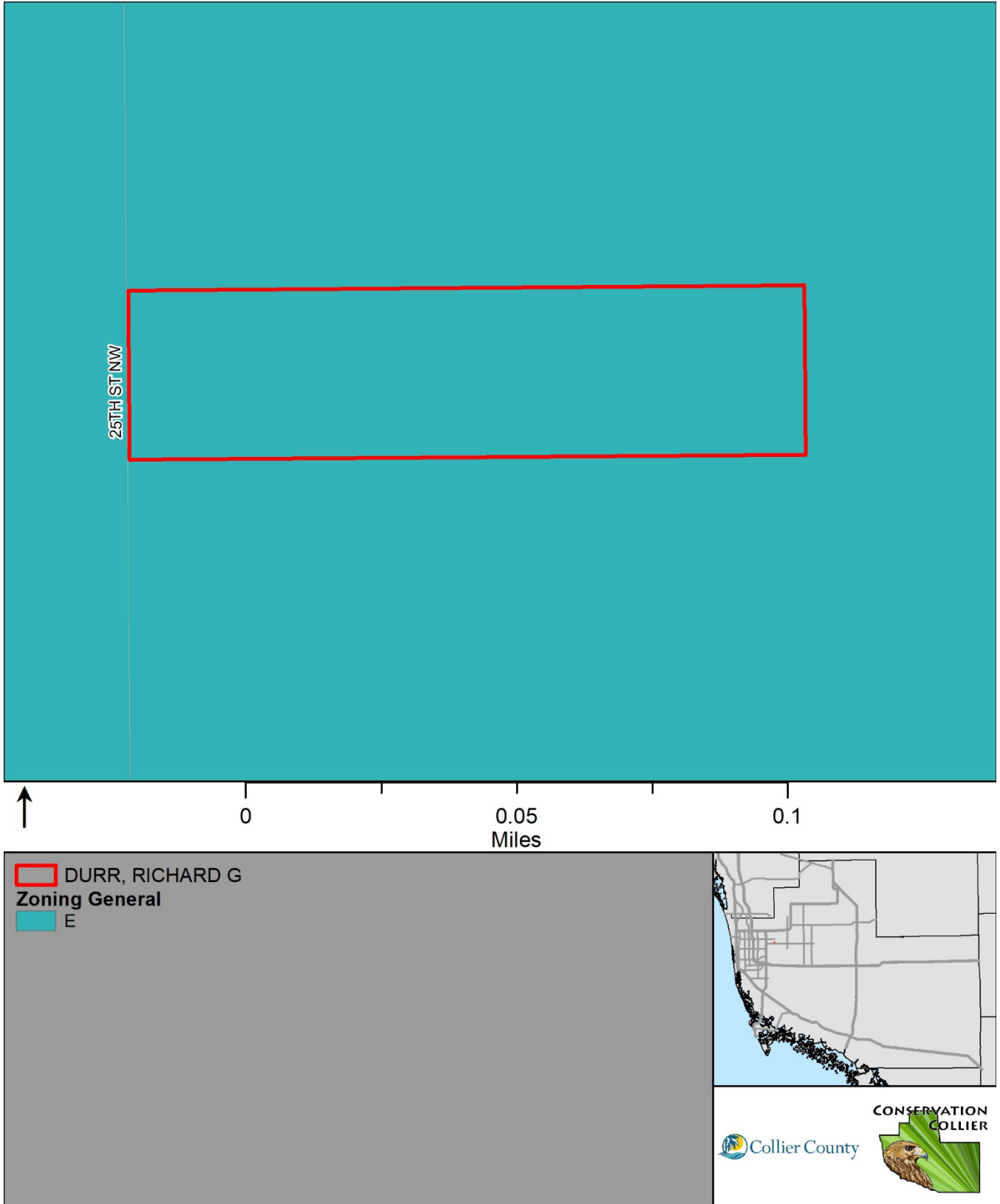


Figure 13 - Zoning

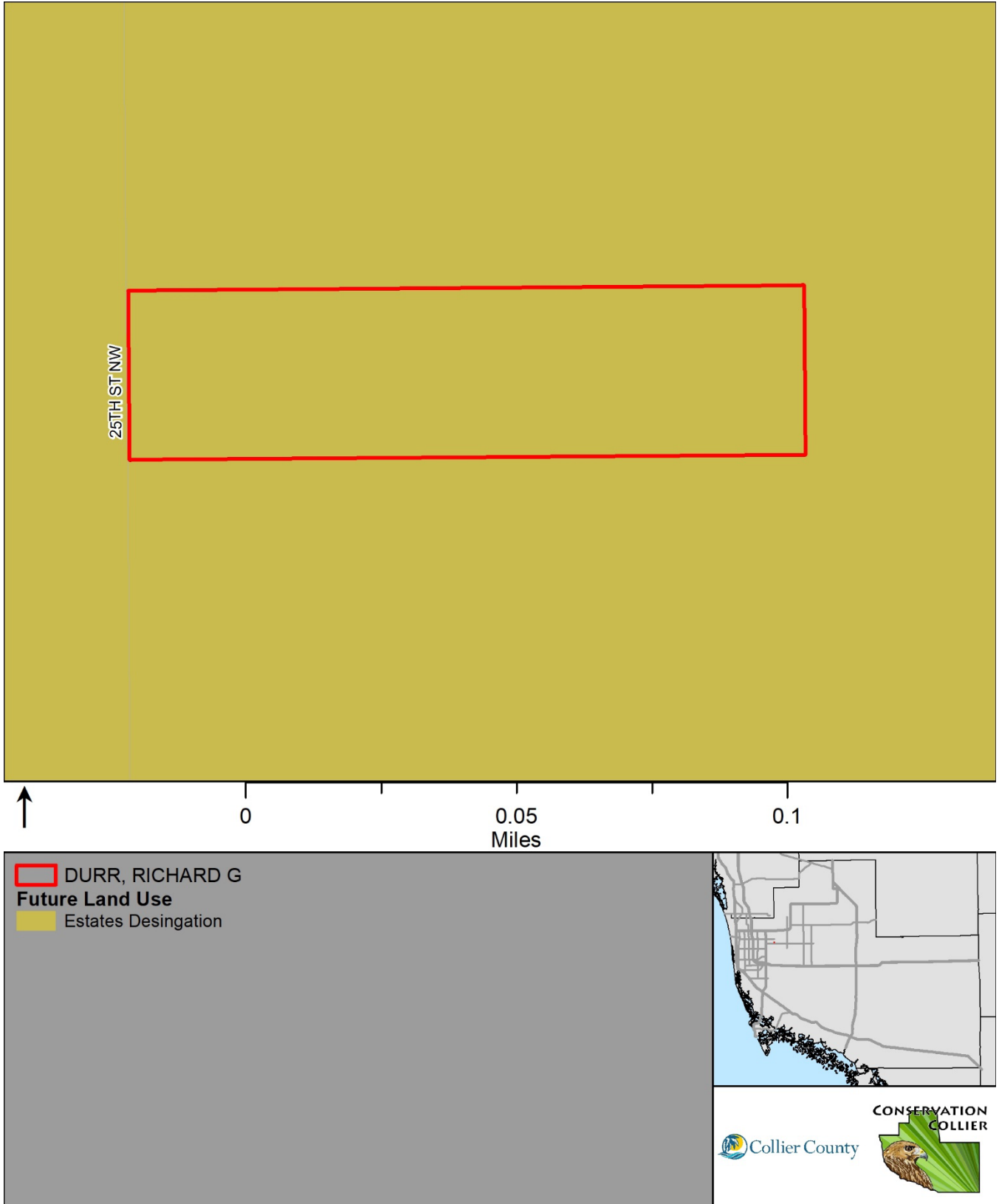


Figure 14 – Future Land Use

3.4.2 Development Plans

Currently, no development is planned for the parcel.

4. Acquisition Considerations

Staff would like to bring the following items to the attention of the Advisory Committee during the review of this property. The following does not affect the scoring. The following are items that will be addressed in the Executive Summary to the Board of County Commissioners if this property moves forward for ranking.

No additional acquisition considerations exist.

5. Management Needs and Costs

Table 5 - Estimated Costs of Site Remediation, Improvements, and Management

Management Element	Initial Cost	Annual Recurring Cost	Comments
Invasive Vegetation Removal	\$2,000	\$500	\$800/acre initial, \$200/acre recurring; 2.5 acres
Signage	\$200	N/A	
Total	\$2,200	\$500	

6. Potential for Matching Funds

There are no known matching funds or partnership opportunities for acquisition in this area.

7. Secondary Criteria Scoring Form

Property Name: Durr-Roemer			
Target Protection Mailing Area: N/A			
Folio(s): 36867840105			
Secondary Criteria Scoring	Possible Points	Awarded Points	Percentage
1 - Ecological Value	160	59	37
2 - Human Value	80	34	43
3 - Restoration and Management	80	69	86
4 - Vulnerability	80	60	75
TOTAL SCORE	400	222	55

1 - ECOLOGICAL VALUES (40% of total)	Possible Points	Awarded Points	Comments
1.1 VEGETATIVE COMMUNITIES	200	130	
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		
b. Parcel contains CLIP4 Priority 2 communities (22211 - Hydric Pine Flatwoods, 2221 - Wet Flatwoods, or 1311 - Mesic Flatwoods)	60	60	Mesic flatwoods
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 ≥ 3 CLC native plant communities (Florida Cooperative Land Cover Classification System native plant communities)	20		
b. Parcel has ≤ 2 CLC native plant communities	10	10	Pine flatwoods; Mesic flatwoods
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 ≥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	10	Tillandsia fasciculata
d. Parcel has 0 CLC listed plant species	0		
1.1.4 - Invasive Plant Infestation (Select highest score)			

a. 0 - 10% infestation	50	50	
b. 10 - 25% infestation	40		
c. 25 - 50% infestation	30		
d. 50 - 75% infestation	20		
e. ≥75% infestation	10		
1.2 - WILDLIFE COMMUNITIES	100	80	
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		
b. Parcel enhances adjacent to significant wildlife habitat (Please describe)	10		
c. Parcel does not enhance significant wildlife habitat	0	0	
1.3 - WATER RESOURCES	100	10	
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		
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	10	small portion in the NE corner

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		
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	220	
ECOLOGICAL VALUES WEIGHTED SCORE (Awarded Points/Possible Points*160)	160	59	

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	10	
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		
e. Other (Please describe)	5		
f. None	0		
HUMAN VALUES TOTAL SCORE	280	120	
HUMAN VALUES WEIGHTED SCORE (Awarded Points/Possible Points*80)	80	34	

3 - RESTORATION AND MANAGEMENT (20%)	Possible Points	Awarded Points	Comments
3.1 - VEGETATION MANAGEMENT	120	100	
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	
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		

b. Parcel contains fire dependent plant communities and is incompatible with prescribed fire	0	0	small and surrounded by homes
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	0	
3.4.1 - Management assistance by other entity			
a. Management assistance by other entity likely	5		
b. Management assistance by other entity unlikely	0	0	
RESTORATION AND MANAGEMENT TOTAL SCORE	175	150	
RESTORATION AND MANAGEMENT WEIGHTED SCORE (Awarded Points/Possible Points*80)	80	69	

4 - VULNERABILITY (20%)	Possible Points	Awarded Points	Comments
4.1 - ZONING AND LAND USE	130	125	
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		
b. Parcel designated Estates, Rural Fringe Receiving and Neutral, Agriculture	25	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	135	
VULNERABILITY WEIGHTED SCORE (Awarded Points/Possible Points*80)	80	60	

8. Additional Site Photos



View of parcel looking east off 25th St. NW



Rusty lyonia in pine flatwoods



Previously cleared area of pine flatwoods



Pine flatwoods



Gopher tortoise burrow



Mesic flatwoods



Mesic flatwoods



Cardinal air plant

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 8 - CLIP4 Potential Habitat Richness

This CLIP version 4.0 data layer is unchanged from CLIP v3.0. FWC Potential Habitat Richness. Because Strategic Habitat Conservation Areas (SHCA)s 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 9 - 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.