

## Conservation Collier Land Acquisition Program Initial Screening Criteria

Property Owner Jim Howard Moody, WL Crawford Trust (53813008, 533440002, & 53805003)

Parcel(s) acreage: 3 parcels- 59.79 acres total

Property Location: Adjacent to the east of the Pepper Ranch Preserve south and east of Trafford Oaks Road Immokalee, FL

*Nominations to the Conservation Collier Program are based on satisfying at least two of the initial screening criteria below. Qualified sites shall then be further prioritized by secondary evaluative criteria.*

**1. Are any of the following unique and endangered plant communities found on the property? Order of preference as follows:** Ord. 2002-63, Sec. 10 (1)(a)

- |  | Yes                                 | No                                  |
|--|-------------------------------------|-------------------------------------|
| a. Hardwood hammocks   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b. Xeric oak scrub   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| c. Coastal strand  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| d. Native beach  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| e. Xeric pine  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| f. High marsh (saline)   | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| g. Tidal freshwater marsh  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| h. Other native habitats <u>Mixed scrub wetlands, marsh, Cypress</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**2. 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?** Ord. 2002-63, Sec. 10 (1)(b)

Yes       No

These parcels are directly adjacent to the 2,512 acre Pepper Ranch Preserve and can be directly accessed from both Trafford Oaks Road and directly from the preserve along the southeastern boundary. Trafford Oaks Road is a private road with a security gate that would prohibit public access from that direction.

**3. Does the property offer opportunities for protection of water resource values, including aquifer recharge, water quality enhancement, protection of wetland dependant species habitat, and flood control?** Ord. 2002-63, Sec. 10 (1)(c)

Yes       No

Acquisition of this property would offer increased opportunities for protection of water resource values, including recharge of the surficial aquifer and protection of wetland dependent species habitat. The aerial map and land cover layer indicates that at 100% of the properties contains wetlands. It is mapped as having a moderate surficial recharge rate. It would provide habitat for wetland dependent species most of the year. A primary benefit to preserving the offered lands in an undeveloped state would be additional protection of the Corkscrew swamp and marsh complex, and wetlands associated with Lake Trafford. The Corkscrew swamp and marsh complex provide recharge for the Lower Tamiami aquifer, a source of drinking water for many County and private wells east of County Road 951. Acquisition of this parcel would add to the protection of the quality of this water source by increasing the buffering of the Corkscrew slough from development and non-point source pollution. The property provides natural flood protection.

**4. Does the property offer significant biological values, including biodiversity, listed species habitat, connectivity, restoration potential and ecological quality?** Ord. 2002-63, Sec. 10 (1)(d)

Yes  No

This parcel would provide significant biological values, listed species habitat, restoration potential and moderate to high ecological quality. We can assume that the same important wildlife species documented on the adjacent Pepper Ranch also utilize this property including the endangered Florida Panther, snail kite, wood stork, and black bear and multiple bird species. There is significant restoration potential for forested areas impacted by invasive exotic plants. This parcel is adjacent to significant County, State, and private conservation lands.

**5. Does the property enhance and/or protect the environmental value of current conservation lands through function as a buffer, ecological link or habitat corridor?** Ord. 2002-63, Sec. 10 (1)(e)

Yes  No

The parcel is adjacent to and would contribute to an important wildlife corridor through the adjacent Pepper Ranch Preserve and other state owned conservation land. Preservation and restoration of this parcel would add to the conservation land buffer protecting the Corkscrew Regional Ecosystem Watershed (CREW). This consists of over 60,000 acres of South Florida Water Management District lands. The CREW Marsh wetlands are also an ecological link and corridor into the Camp Keais Strand and other conservation lands to the south.

***Is the property within the boundary of another agency's acquisition project?***

Yes  No

***If yes, will use of Conservation Collier funds leverage a significantly higher rank or funding priority for the parcel?***

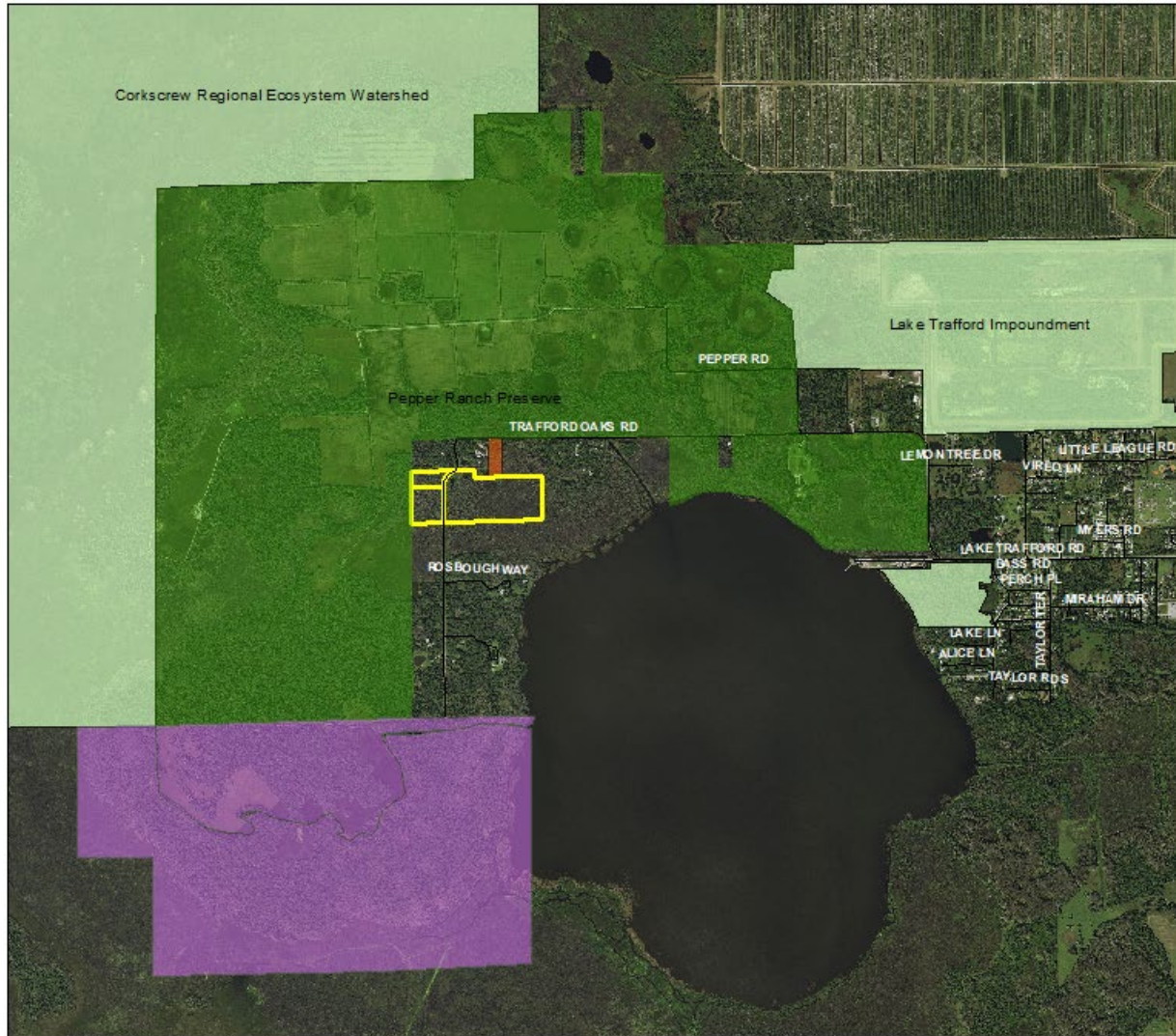
Yes  No

*Without such funding circumstances, Conservation Collier funds shall not be available for purchase of these lands.* Ord. 2002-63, Sec. 10 (1)(f)

**MEETS INITIAL SCREENING CRITERIA**

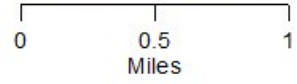
Yes  No

# Initial Screening Criteria



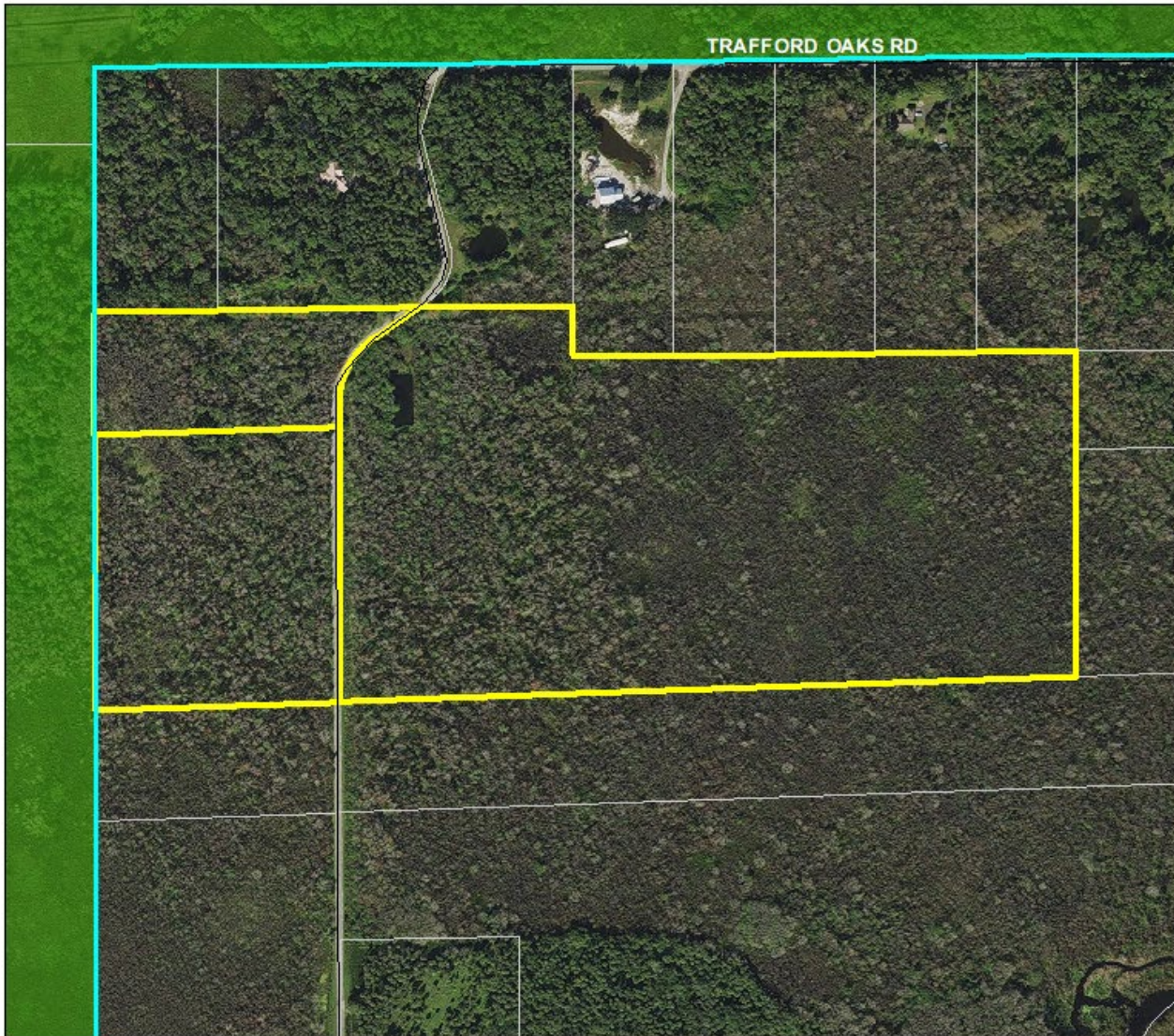
- Legend**
- MoodyCrawfordTrust
  - Pepper Ranch Preserve
  - BCI
  - EmilyArnold Parcel
- Adjacent Conservation Land**
- South Florida Water Management District

Data source: CollierCounty GMD  
 2021 Aerials/Collier Property Appraiser  
 Created by: Conservation Collier/CS  
 G: Conservation/Collier/Acquisitions/ISOR/  
 10thCycle 2021/MoodyCrawford/SurroundingAerial.mxd & png





# Initial Screening Criteria



**Legend**

- Moody, Crawford Trust
- Pepper Ranch Preserve

0 250 500  
Feet

CONSERVATION COLLIER

Collier County

Data source: CollierCounty GMD  
2021 Aerials/Collier Property Appraiser  
Created by: Conservation Collier/CS  
G: ConservationCollier/Acquisitions/ISCR/  
10thCycle 2021/MoodyCrawford/Maps/Aerial.mxd & png