

Initial Review Report

Project Name: Lake Harney
Date: 5/19/2023

Score: 14
Type: ESL

PROXIMITY AND CONNECTIVITY

Criteria	Does the property meet the criteria?	On a scale of 1 to 5, how well does the property meet the criteria? ¹
1. Is the property functionally adjacent to existing conservation land (conservation easement or public ownership) or a Volusia Forever eligible property?	Yes	<u>5</u>
2. Will the acquisition maintain the ecological link or habitat corridor between two or more otherwise unconnected existing conservation lands (conservation easement or public ownership)?	Yes	<u>3</u>
3. Is the property within Priority 1, 2 or 3 of the Florida Ecological Greenways Network (i.e. the Florida Wildlife Corridor) or the County's Environmental Core Overlay?	Yes	<u>5</u>

FURTHERANCE OF ACQUISITION EFFORTS

Criteria	Does the property meet the criteria?	On a scale of 1 to 5, how well does the property meet the criteria? ¹
4. Will the acquisition further a project begun under previous or existing governmental land acquisition programs?	No	<u>N/A</u>
5. Based upon preliminary assessment (i.e., partnership experience, property size, location and features), is there a reasonable expectation of matching funds from other sources to assist in the acquisition?	Yes	<u>3</u>

¹ On a scale of 1 to 5, with one (1) being adequate, three (3) being good, and five (5) being excellent.

WATER RESOURCES

Criteria	Does the property meet the criteria?	On a scale of 1 to 5, how well does the property meet the criteria? ¹
6. Does the property contain a significant area of medium or high groundwater recharge as determined by St. Johns River Water Management District Upper Floridan Aquifer Groundwater Recharge Map?	No	<u>N/A</u>
7. Does the property contain or have frontage on a waterbody or is it within the 100-year floodplain?	Yes	<u>4</u>
8. Does the property contain springs and/or other unique geological features that enhance environmental resources, protect water quality, enhance water recharge, and/or protect the aquifer?	Yes	<u>2</u>
9. Does the property have the potential to capture beneficial recharge, reduce water consumption within a springshed, or replace degraded freshwater supplies?	No	<u>N/A</u>

ENVIRONMENTALLY SENSITIVE LANDS

Criteria	Does the property meet the criteria?	On a scale of 1 to 5, how well does the property meet the criteria? ¹
10. Is there the potential that acquisition of the property will protect or maintain populations of any Federal or State listed species (including, but not limited to, endangered, threatened or species of special concern) which may typically be expected to occur on the property?	Yes	<u>5</u>
11. Does the property contain viable acreage of one or more scarce or unique communities, as identified by the Florida Natural Areas Inventory, or other significant upland community?	Yes	<u>2</u>
12. Does the property contain coastal or estuarine habitats or areas vulnerable to sea level rise by 2040?	Yes	<u>3</u>
13. Does the property contain high functioning or potentially high functioning wetland ecosystems?	Yes	<u>3</u>

PROVIDE RESOURCE BASED RECREATIONS LANDS

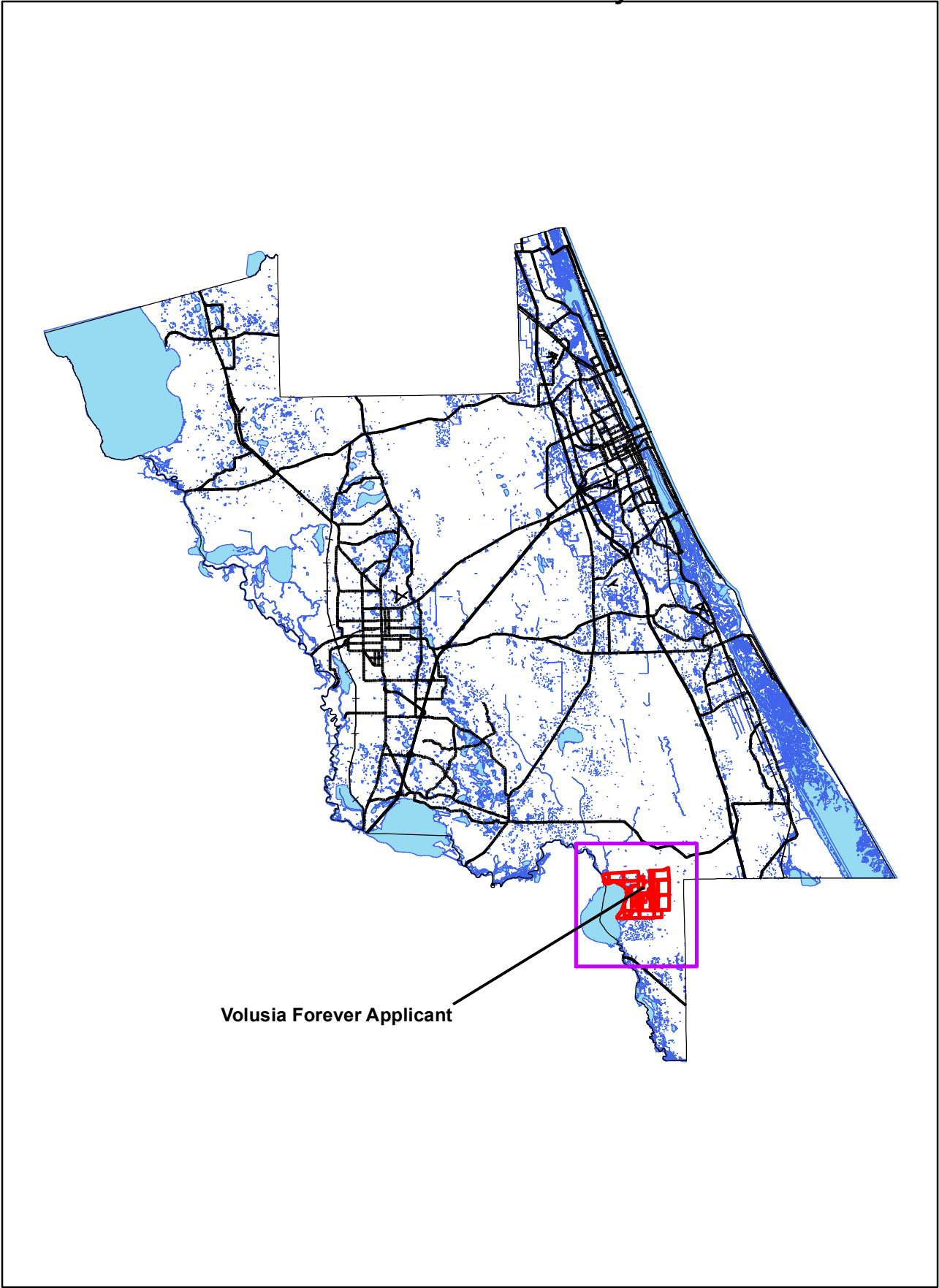
Criteria	Does the property meet the criteria?	On a scale of 1 to 5, how well does the property meet the criteria? ¹
14. Does the property offer the potential for the establishment or enhancement of resource based public use opportunities, including Greenways, Blueways and trails?	Yes	<u>5</u>
15. Does the property have public right of way (roads or trails) accessing or abutting?	Yes	<u>1</u>
16. Does the property contain an archeological site or historical resources?	Yes	<u>3</u>

MANAGEMENT

Criteria	Does the property meet the criteria?	On a scale of 1 to 5, how well does the property meet the criteria? ¹
17. Is the size, access, and location of the property appropriate for cost effective management or will it be managed by others?	Yes	<u>5</u>
18. Is there limited (<5% by ocular view) Florida Exotic Pest Council Category 1 invasive exotic plant coverage observed?	Unknown	<u>N/A</u>
19. Is the percentage of uplands, water bodies, or wetlands requiring restoration minimal?	Unknown	<u>N/A</u>

General Location Ford Lake Harney

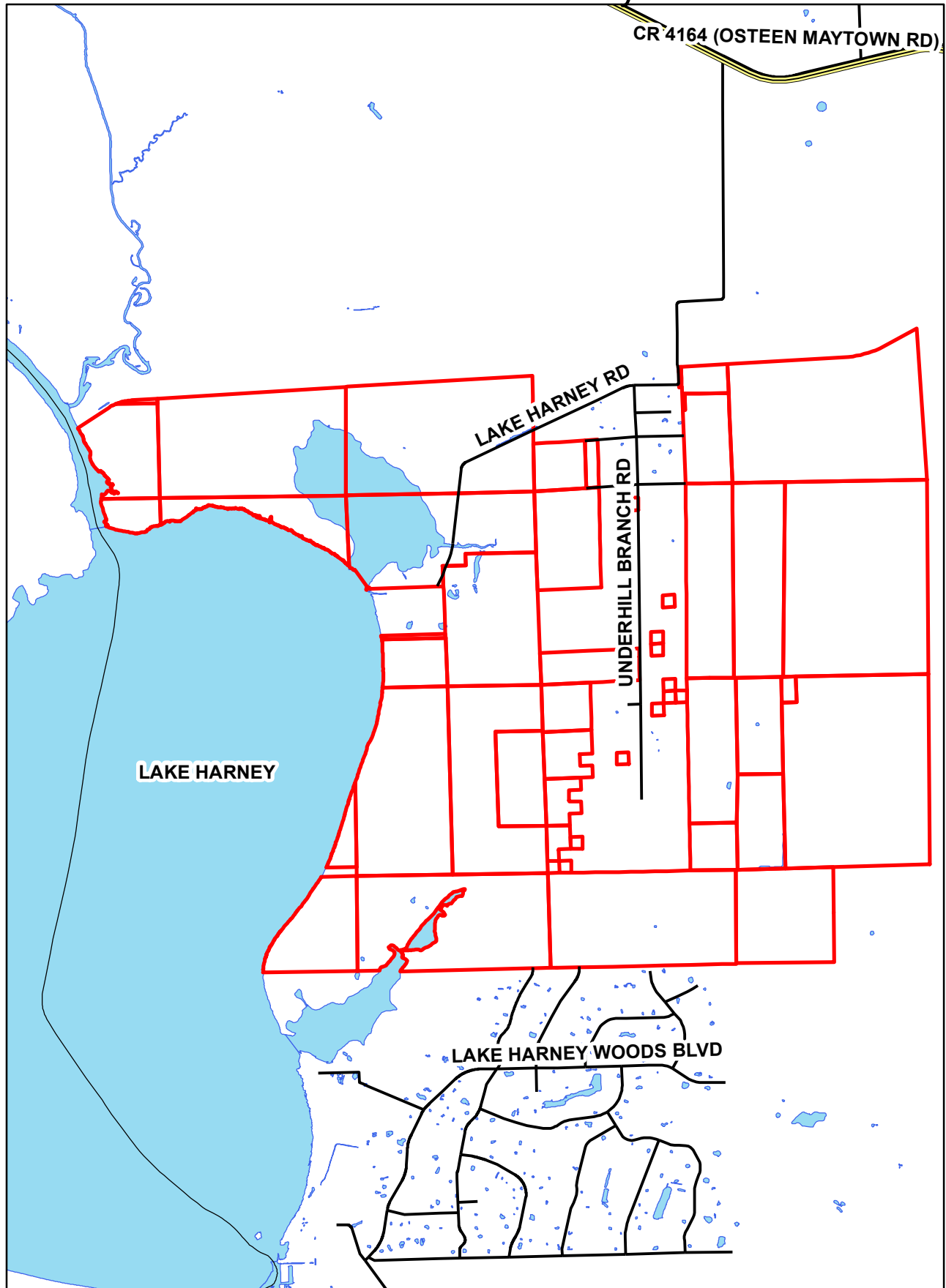
ESL
~5578.57 Acres



 VF Applicant

Potential Public Use Ford Lake Harney

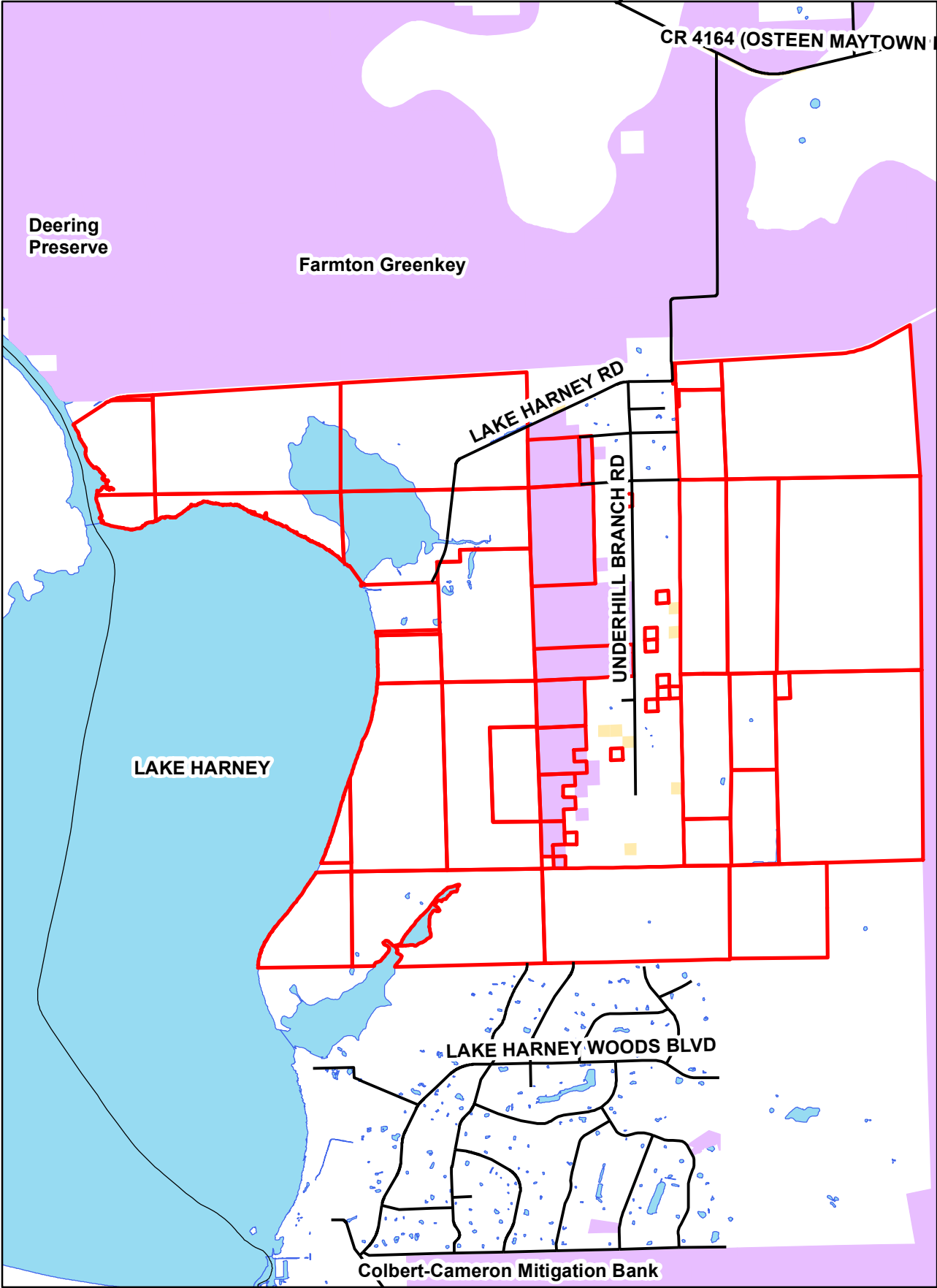
ESL 14
~5578.57 Acres






- Existing Trails
- Proposed Trails-None in Area
- VF Applicant

Existing Conservation Lands Ford Lake Harney

ESL 1
~5578.57 Acres



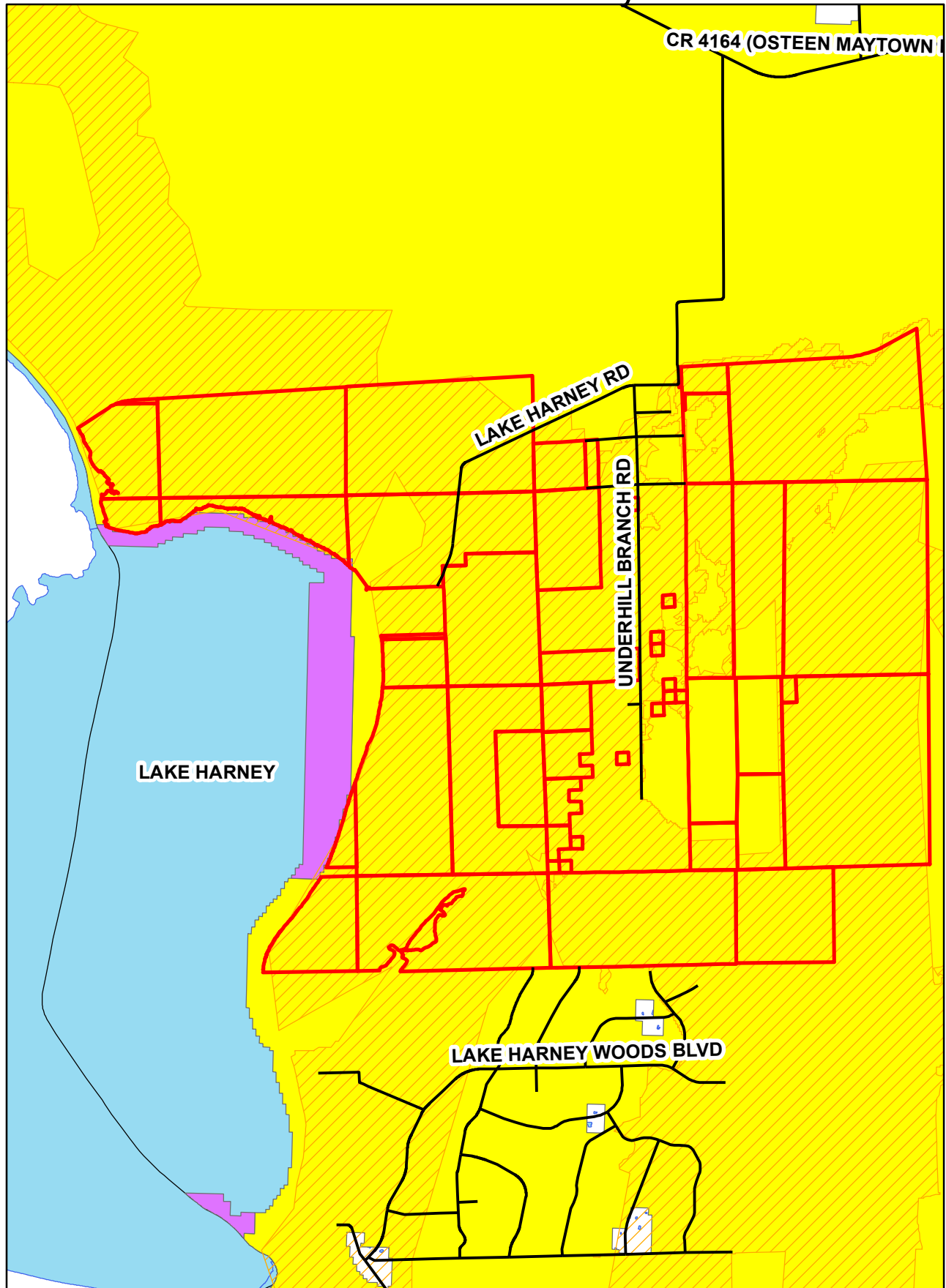
-  VF Applicant
-  Conservation Easements
-  Conservation Lands

Deering Preserve is Public
Conservation Land that is
Encumbered by an Easement


~ 343.70 Acres of Applicant Property is Encumbered

Ecological Greenways/ECO Ford Lake Harney

ESL 3
~5578.57 Acres



 VF Applicant

 Environmental Core Overlay

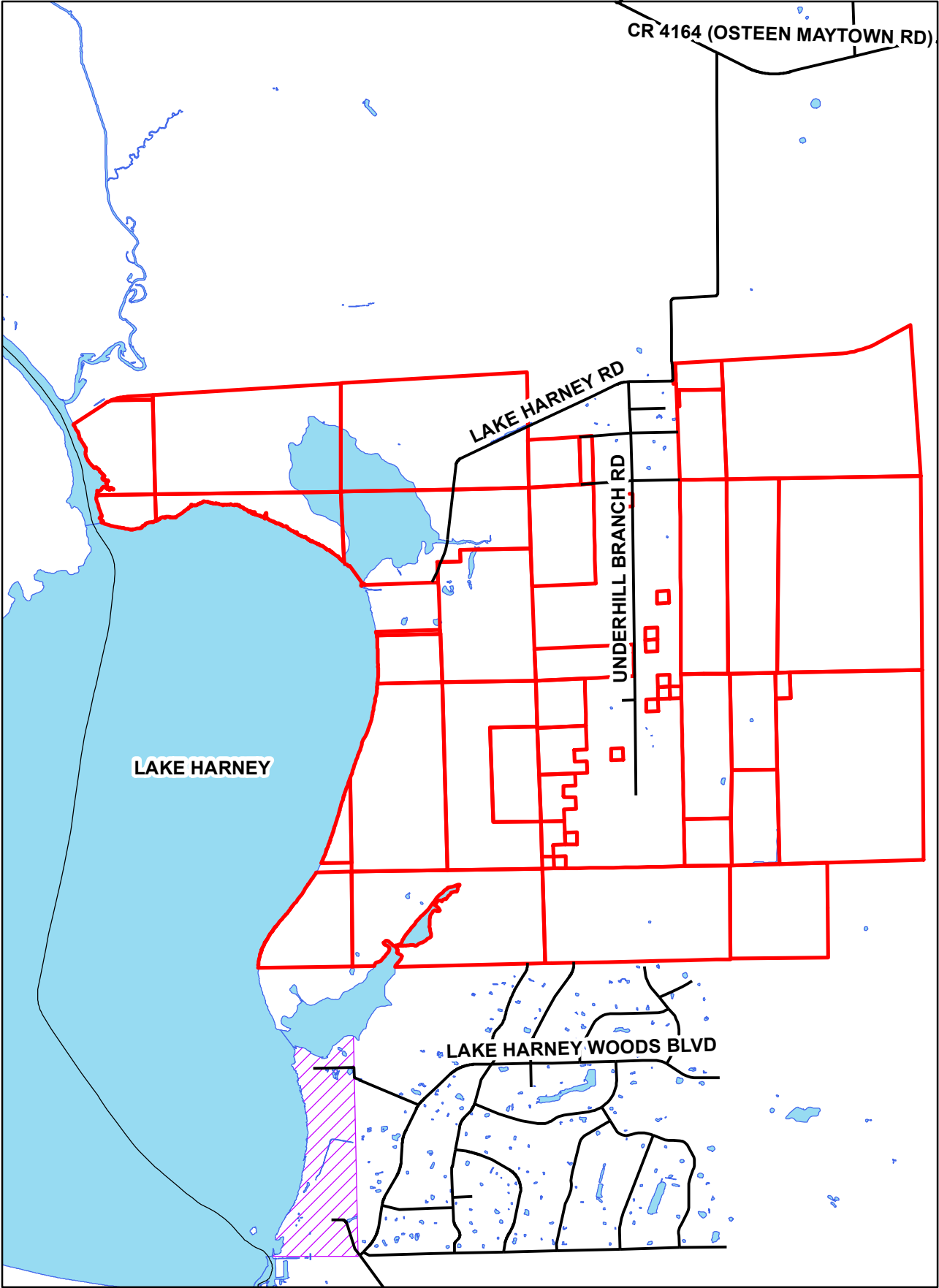
Ecological Greenways Network




 1

 2

Land Acquisition Ford Lake Harney

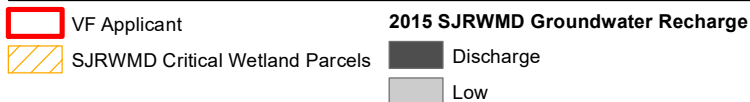
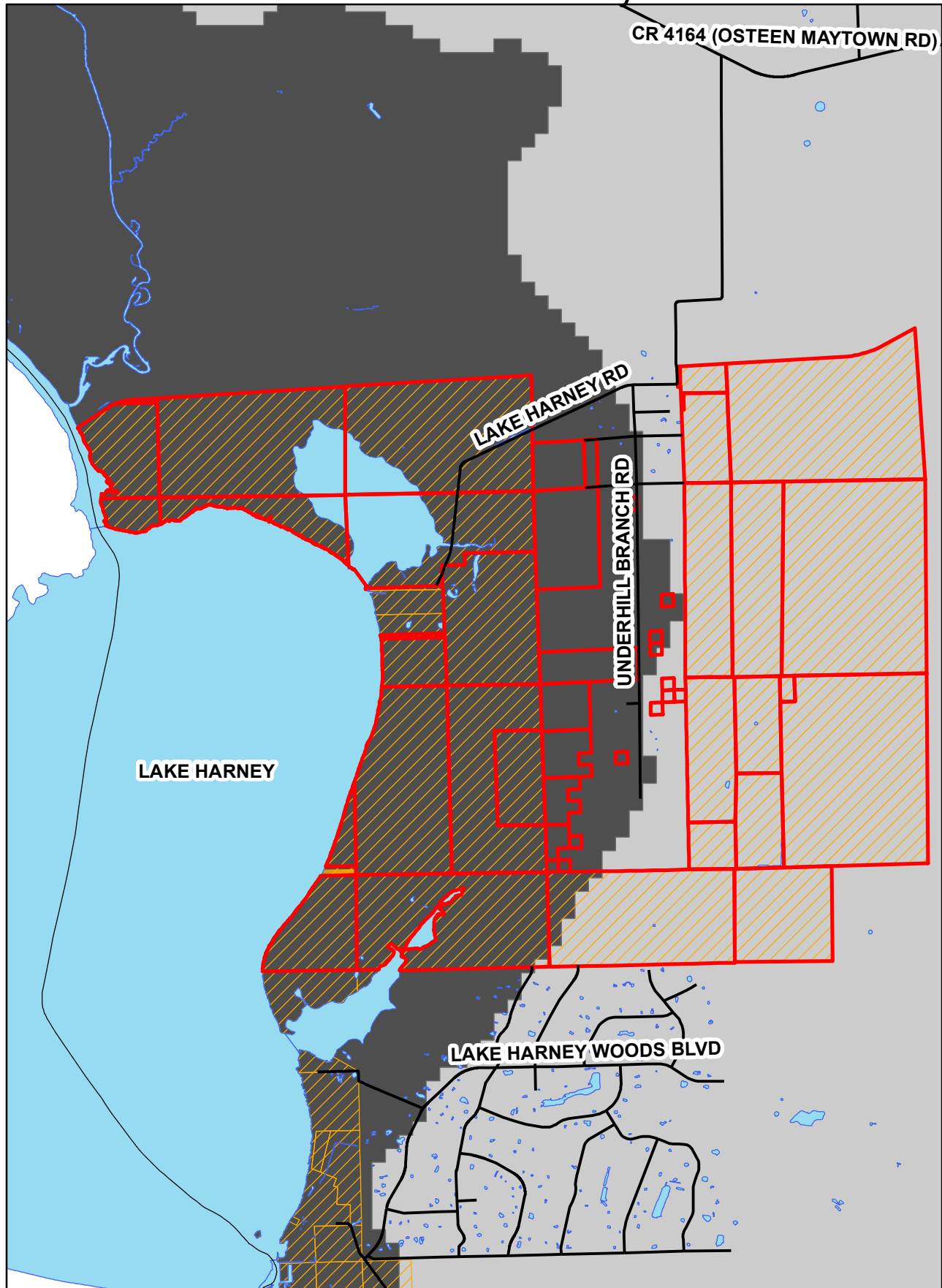
ESL 4
~5578.57 Acres



-  VF Applicant
-  SJRWMD 5-Year Acquisition Plan
-  Florida Forever Project-None in Area

Groundwater Recharge/Critical Wetlands Ford Lake Harney

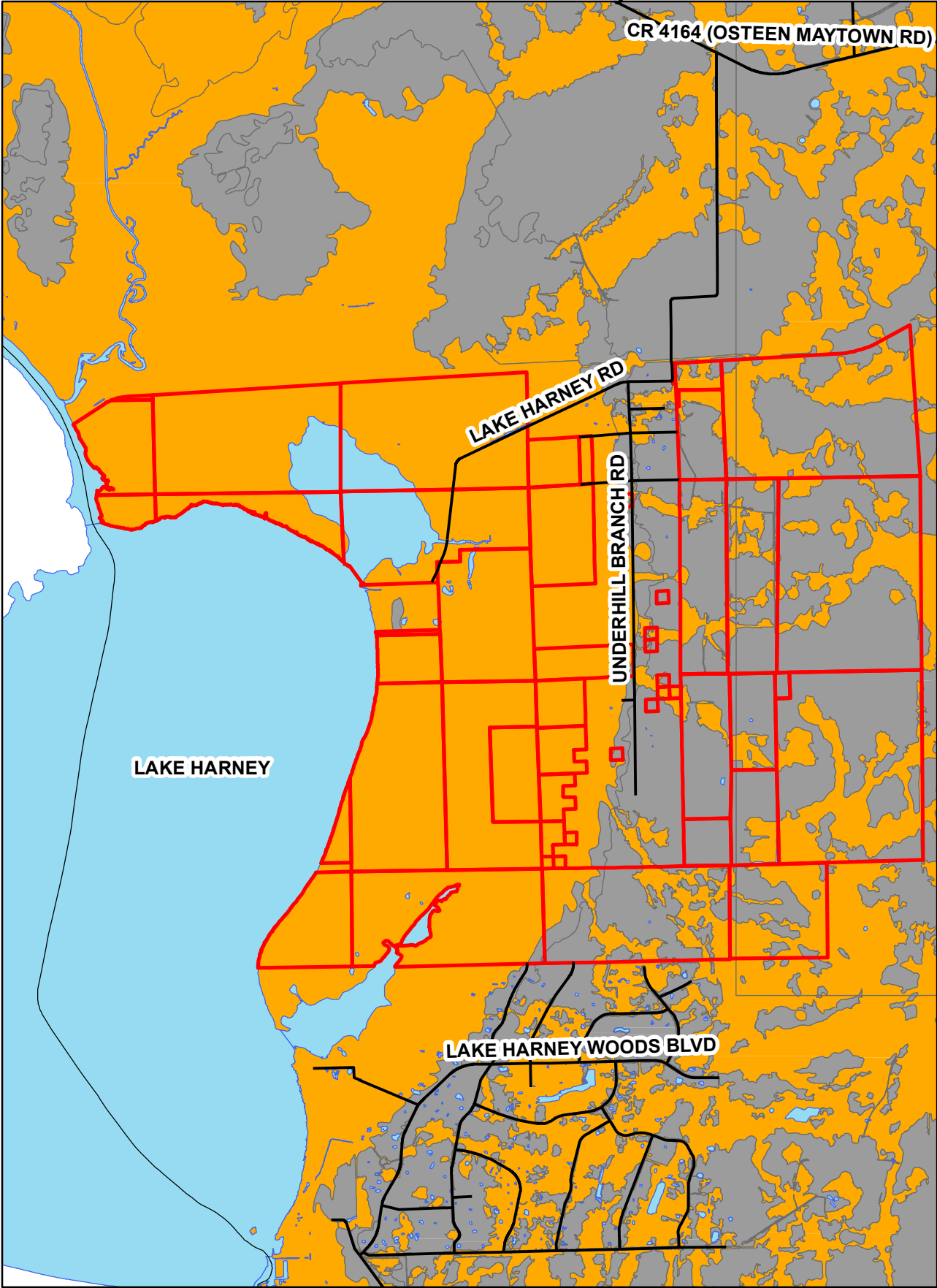
ESL 6
~5578.57 Acres



Hydrology



Ford Lake Harney

ESL 7
~5578.57 Acres



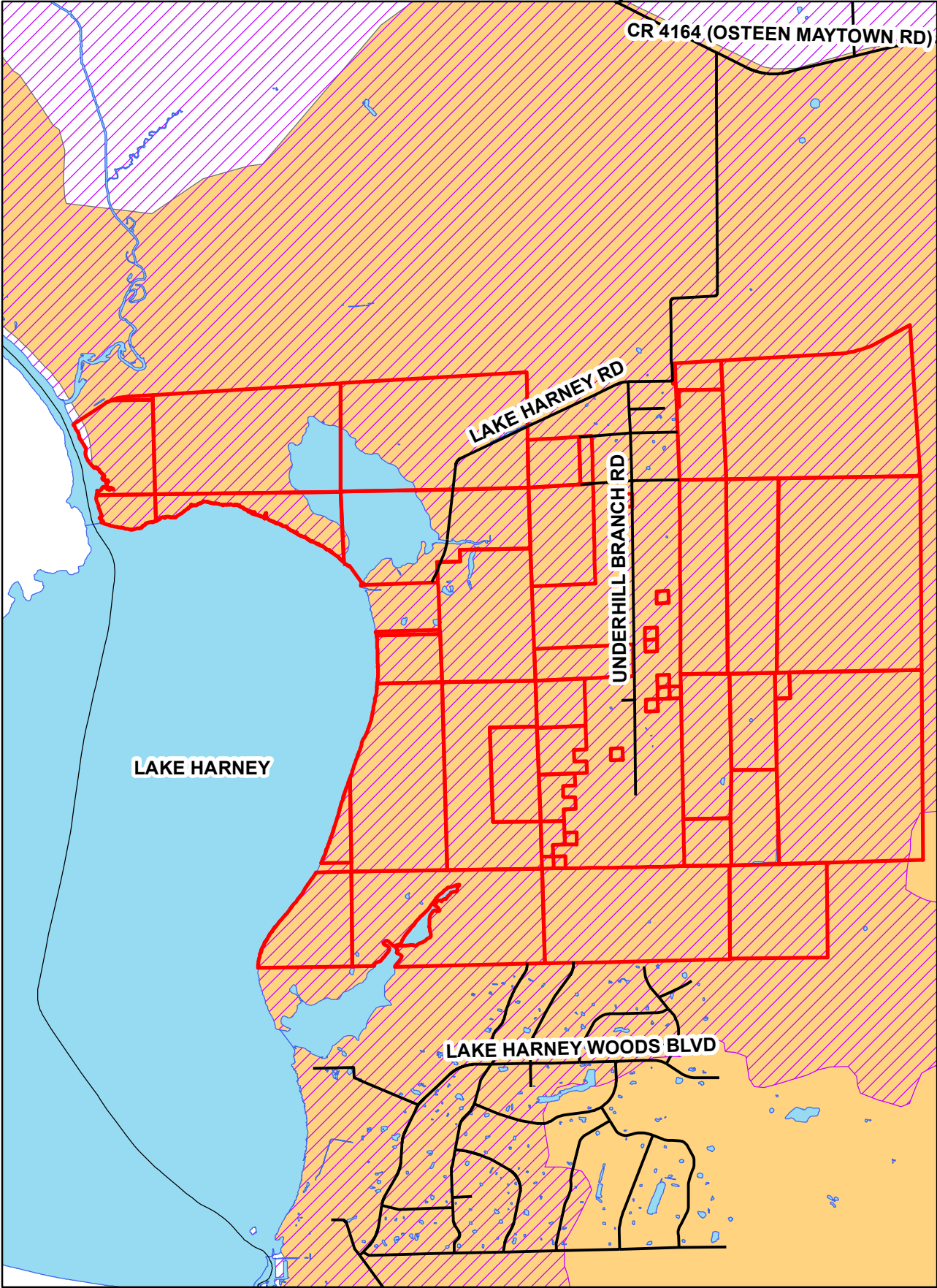
 VF Applicant





FEMA Flood Insurance Rate Maps

-  Special Flood Hazard Areas Inundated by the 100-Year Flood
-  Areas Outside the 100-Year Floodplain

Spring PFA/BMAP/Watershed
Ford Lake Harney

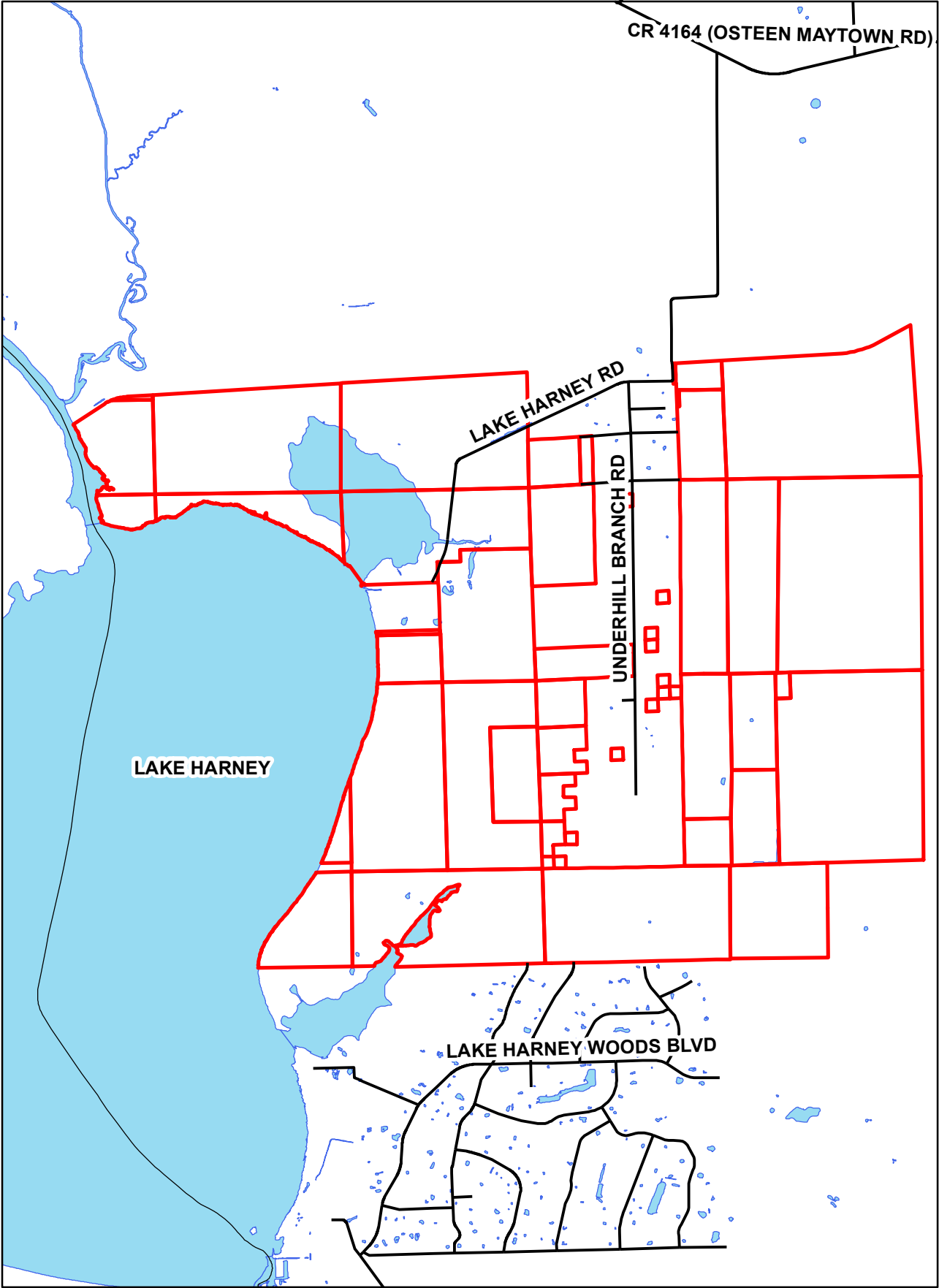
ESL 9
~5578.57 Acres



-  VF Applicant
-  Middle St. Johns BMAP
-  St. Johns River Watershed
-  Spring PFA-None in Area

Protected Species Ford Lake Harney

ESL 10
~5578.57 Acres



VF Applicant

Rare Species Habitat Conservation Priority Area-None in Area

Priority 1

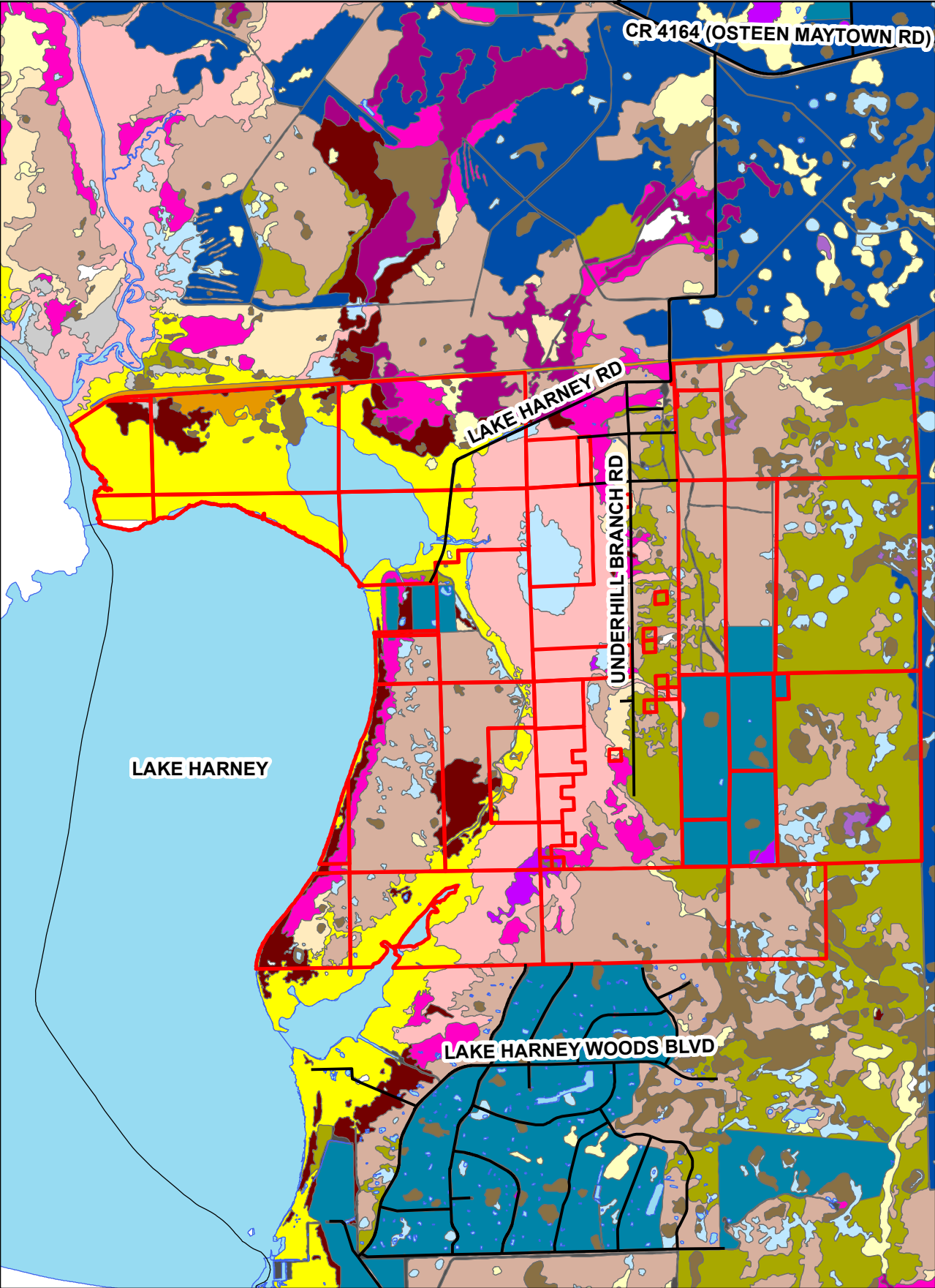
Priority 2

Priority 3

FLUCCS Vegetation

Ford Lake Harney

ESL 11A
~5578.57 Acres

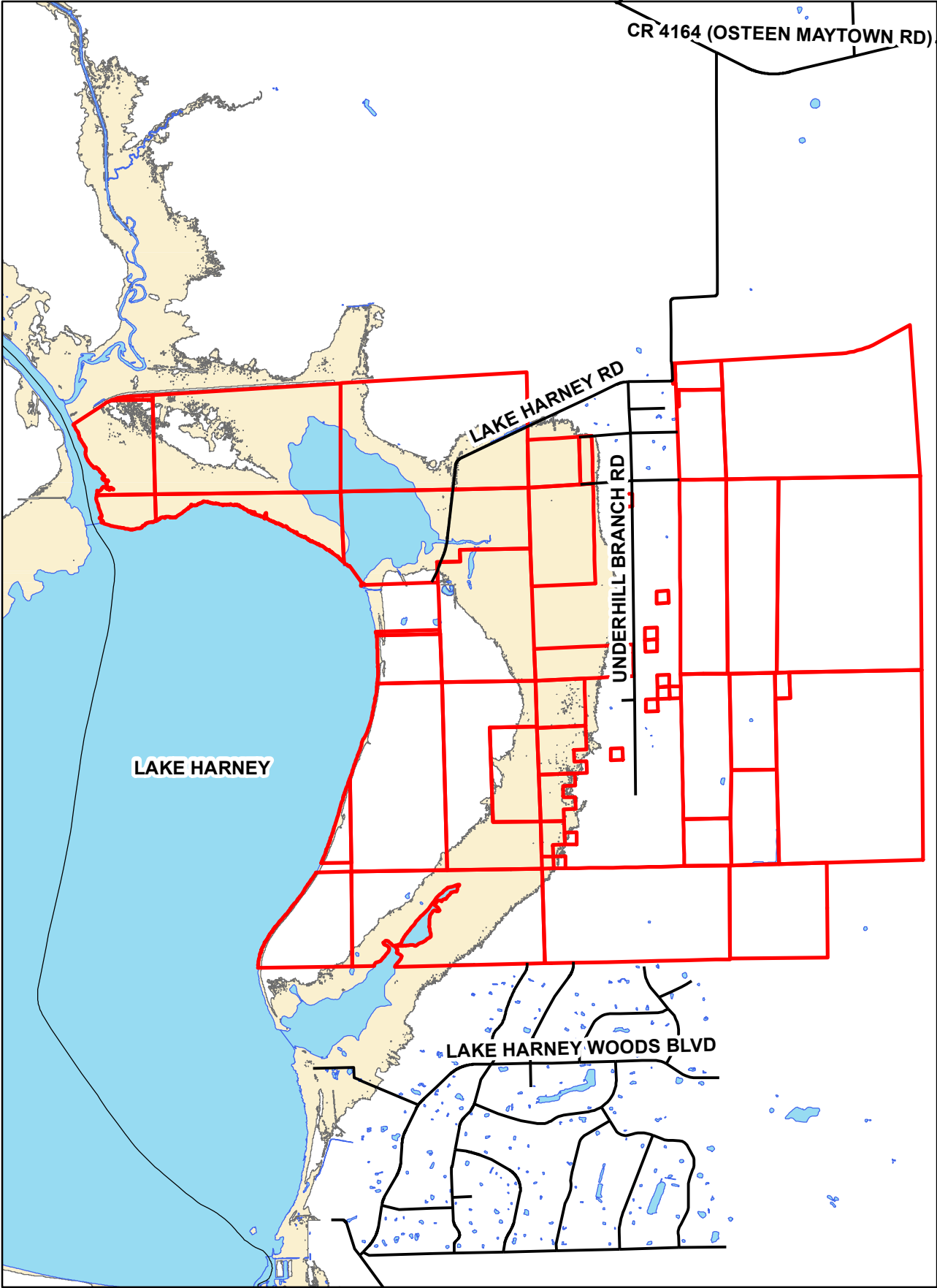




VF Applicant	CYPRESS SWAMP	LIVE OAK HAMMOCK
Vegetation-FLUCCS	CYPRESS/PINE/CABBAGE PALM	MIXED RANGELAND
BAY SWAMP	DISTURBED LANDS	MIXED WETLAND HARDWOODS
BOTTOMLAND SWAMP	FRESHWATER MARSH	OPEN WATER
CABBAGE PALM HAMMOCK	GENERALIZED AGRICULTURE	PINE FLATWOOD

PINE/MESIC OAK
SHRUB/DISTURBED WETLANDS
TEMPERATE HAMMOCKS
TREE PLANTATION
WAX MYRTLE/WILLOW
WET PRAIRIE

Sea Level Rise Ford Lake Harney

ESL 12
~5578.57 Acres



 VF Applicant
 2070 NOAA Sea Level Rise-5 Feet