



Advanced Restoration Ecology

8000 Indrio Road

St Lucie County, FL

Environmental Assessment

Prepared For:
Demetrio Rico

Prepared By:

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The environmental assessment report below has been compiled in accordance with the St Lucie County Development Review Division and provisions set forth by the state of Florida. The parcel is listed by the St Lucie County Property Appraiser as Parcel ID number 1314-131-0000-000-0 . The property is located at 8000 Indrio Road, Ft Pierce, Florida. The following report describes the findings of our recent on-site review and database research as it pertains to St Lucie County and the State of Florida.

LAND USE RECORDS

The St Lucie County Property Appraiser's Report lists this property as 0000 Vacant Residential.

SOIL COMPOSITION:

Based on a review of the United State Department of Agriculture's Web Soil Survey database the site's soils are comprised of the following:

Riviera Fine Sand - This nearly level soil is poorly drained and has a surficial layer of dark gray sand about four inches thick. The water table is typically at less than 10 inches for two to four months of the year. The soil is well suited for pasture and hay crops. Natural vegetation includes slash pine, cabbage palm, wax myrtle, blue maidencane, broom sedge, pineland threeawn, cord grass, panicums and a variety of sedges. Riviera Fine Sands are loamy, silicious, nearly level and poorly drained soils that formed in beds of sandy and loamy marine sediments. These soils are on broad, low flats and in depressional areas. The water table is within a depth of 10 inches for 2 to 4 months in most years and between a depth of 10 and 30 inches for most of the rest of the year.

Pineda Sand - This soil is a nearly level, poorly drained soil in low grassy flats. The water table is typically at a depth of less than 10 inches for 2 to 6 months during wet seasons, and at a depth of 10 to 40 inches for the remaining time.

Wabasso Sand - This soil is a nearly level, poorly drained soil in broad open areas of the flatwoods. The surface layer is sand about 8 inches thick. The upper 4 inches is black and the lower 4 inches is dark grey. The water table is typically at a depth of less than 10 inches for 1 to 4 months during the wet season, and at a depth of 10 to 40 inches for 6 to 9 months in most years. Natural vegetation is slash pine, cabbage palm, saw palmetto, running oak, inkberry and fetterbush. Common grasses are threeawn and bluestem. The soil has severe limitations for cultivated crops and citrus due to wetness. The soil has high potential for dwellings without basements, small commercial buildings, local roads and streets.

WILDLIFE EVALUATION:

On April 26, 2021, ARE conducted pedestrian transects across the property looking for local, state and federally listed or endangered species present on the site. This survey primarily focused on the presence of gopher tortoise burrows or recent activity. During the pedestrian transects of the property, gopher tortoise activity was observed on site. No other listed plant or animal species were observed on site during the site visit.

NATIVE HABITAT

The site investigation conducted by ARE, Inc. did find native upland habitat on the site. The site has typical pine flatwoods on site surrounding the herbaceous

wetlands. Species observed during the site reconnaissance included the following:

Muscadine Grape (*Vitis rotundifolia*) Brazilian pepper (*Schinus terbinthifolius*)
Cabbage palm (*Sabal palmetto*) Slash Pine (*Pinus densa*)
Saw Palmetto (*Serenoa repens*)

WETLAND DELINEATION:

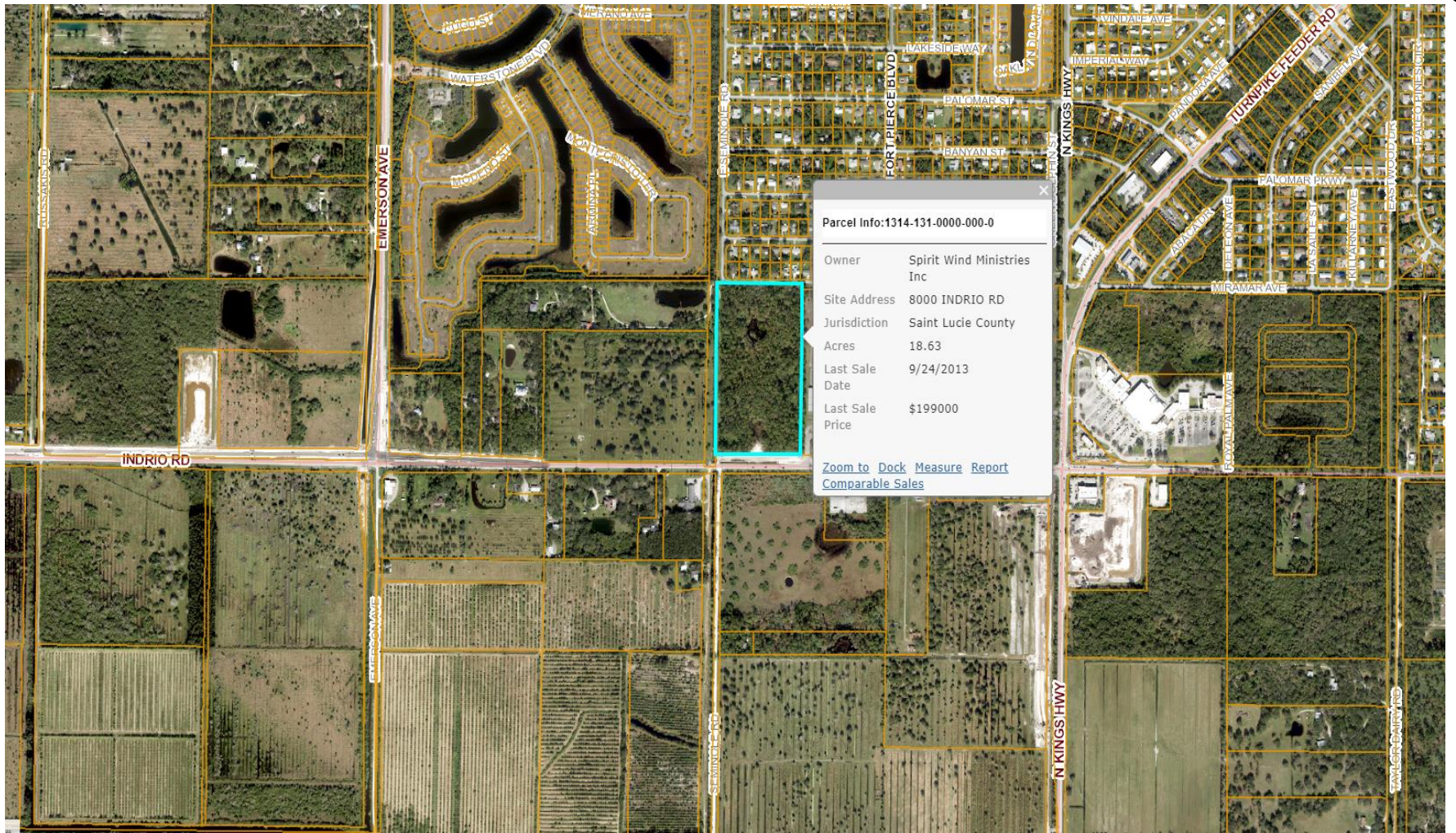
Based on the State definition of a wetland in 62-340 FAC, there are three components: hydric soils, wetland plants, and hydrologic indicators. These factors listed were all present during the site investigation. ARE concludes this property does include state and likely federally jurisdictional wetlands on site in its current configuration. The wetlands are located in the center of the site at the southern border and another wetland in the center of the site (see maps).

COUNTY REQUIREMENTS

The County will require proof of a completed gopher tortoise survey by a licensed agent. Please submit this document with any applications to use as the needed verification of a 100% gopher tortoise survey has been completed on the site. Per FWC regulations a gopher tortoise survey is good for 90 days, and any clearing must have a valid survey prior to commencement. The County will not authorize/issue any permitting without a current gopher tortoise survey. A Wetland delineation and tree survey will likely be required as part of the application process.

CONCLUSION:

Based on County requirements, ARE, Inc. conducted a site investigation throughout the property to survey for the presence of any listed plant or animal species. Gopher Tortoise burrows were observed on site, no other State or Federally listed species were observed on the property during the site visit. A gopher tortoise survey of the property was conducted and completed by an FWC licensed gopher tortoise agent during the site investigation. Native habitat was determined to be on site in the form of pine flatwoods. It is the professional opinion of ARE, Inc. that there are State and likely Federally jurisdictional wetlands on the site as the site's characteristics do meet the minimum thresholds required for wetland classification.



Parcel Info: 1314-131-0000-000-0

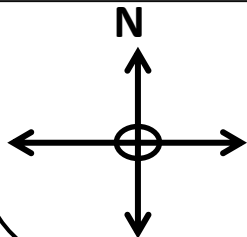
Owner	Spirit Wind Ministries Inc
Site Address	8000 INDRIO RD
Jurisdiction	Saint Lucie County
Acres	18.63
Last Sale Date	9/24/2013
Last Sale Price	\$199000

[Zoom to Dock](#) [Measure](#) [Report](#) [Comparable Sales](#)

4/26/2021

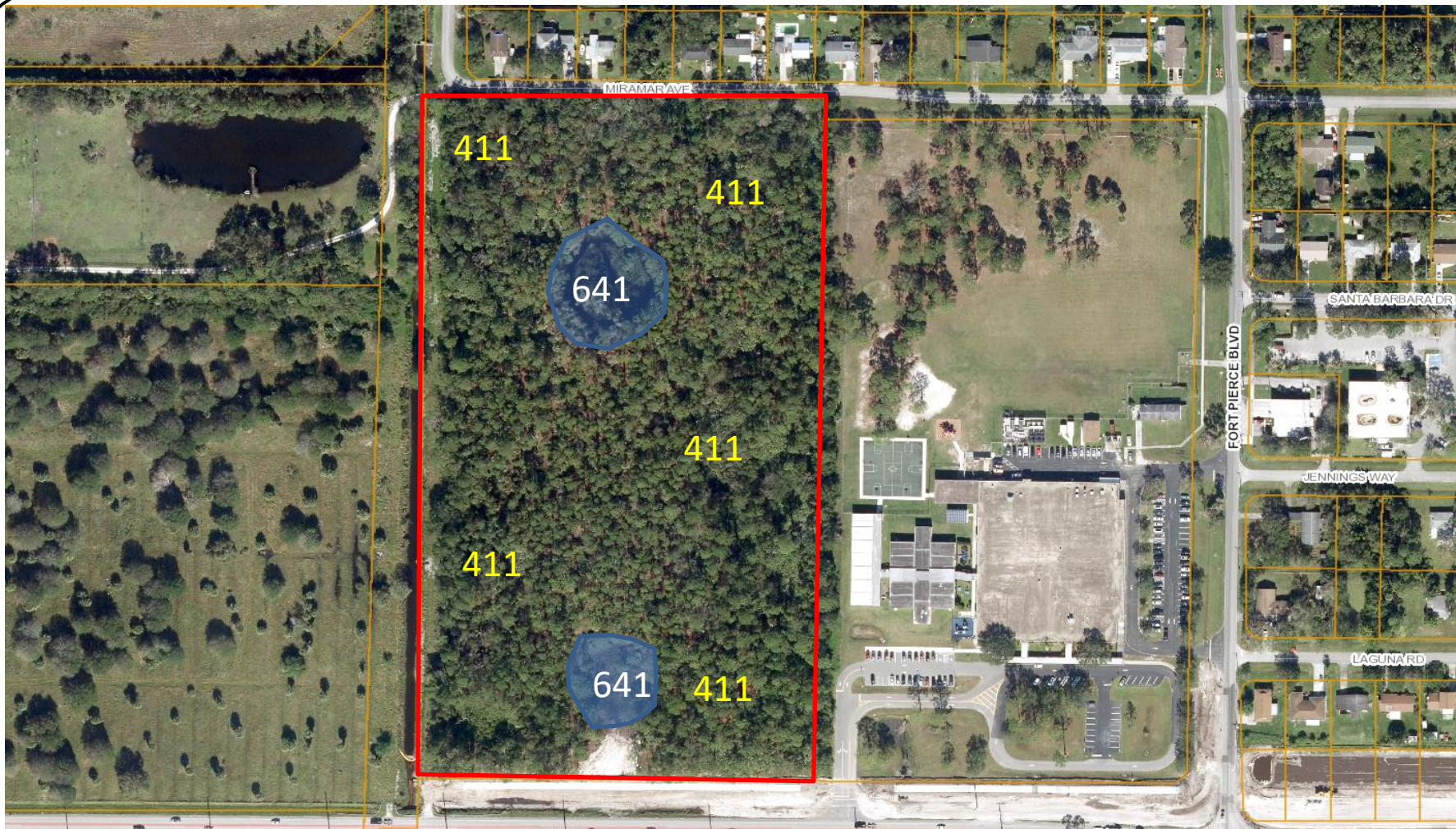
Property Appraiser Map

Map Source: St Lucie County



8000 Indrio Road
St Lucie County, FL

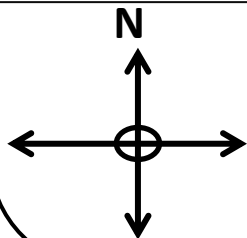




4/26/2021

FLUCCS Map

Map Source: St Lucie County



8000 Indrio Road
St Lucie County, FL



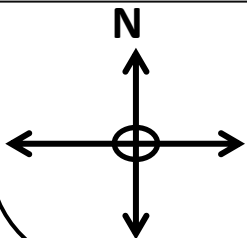
St. Lucie County, Florida (FL111)			
St. Lucie County, Florida (FL111)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
32	Pineda sand, 0 to 2 percent slopes	11.1	58.3%
38	Riviera fine sand, 0 to 2 percent slopes	0.1	0.6%
48	Wabasso sand, 0 to 2 percent slopes	7.8	41.1%
Totals for Area of Interest		19.0	100.0%



4/26/2021

Soil Map

Map Source: Web Soil



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