



1. Typical upland onsite hardwood forest



2. Typical former onsite hay field



3. Typical onsite clear-cut planted pine habitat with successive hardwood species



4. Typical onsite clear-cut pine habitat



5. Offsite clear-cut pine floodplain to west of site



6. Where floodplain marsh encroaches site.



7. Typical former onsite hay field



8. An onsite bush-hog trail through clear-cut planted pine habitat

Table 1: Probability of Occurrence of Listed Wildlife Species

Common Name		Scientific Name	Status FWC/USFWS ¹	Estimated Probability of Occurrence			Comments
				Observed	Possible	Unlikely	
BIRDS							
	Little Blue Heron	<i>Egretta caerulea</i>	SSC/---		X		Feeding habitat present in wetlands. Not typical nesting habitat (estuarine)
	Tricolored Heron	<i>Egretta tricolor</i>	SSC/---		X		Feeding habitat present in wetlands. Nesting usually occurs February through April. No shrub wetlands onsite, preferred nesting habitat.
	FL. Sandhill Crane	<i>Grus canadensis pratensis</i>	T/--		X		Feeding habitat present in wetlands. Nesting usually occurs January through May. No nests observed. No marsh onsite, preferred nesting habitat. Lake Lona water levels probably fluctuates too much for nesting.
	Wood Stork	<i>Mycteria americana</i>	E/E		X		Feeding habitat present in wetlands. Wetland areas not for nesting, prefer cypress and mangrove. Nesting usually occurs November through April.
Southeastern Amer. Kestrel		<i>Falco sparverius paulus</i>	T/--		X		The open areas (hay field and timbered pine areas) could provide habitat for this species. No kestrels or potential nest sites were observed on or adjacent the site.
Bald Eagle		<i>Haliaeetus leucocephalus</i>	NL/NL		X		Potential nesting and feeding habitat present. No nest observed. Closest recorded eagle nest is over 3 miles from the site.
MAMMALS							
Sherman's Fox Squirrel		<i>Sciurus niger shermani</i>	SSC/--		X		Somewhat preferred habitat present. None observed.
REPTILES							
Eastern Indigo Snake		<i>Drymarchon corais couperi</i>	T/T		X		Potential habitat present, gopher tortoise burrows present, a known retreat. Reclusive.
Gopher Tortoise		<i>Gopherus polyphemus</i>	T/--	X			Tortoise burrows noted onsite.
Florida Pine Snake		<i>Pituophis melanoleucus m.</i>	SSC/--		X		Marginal onsite habitat. Pocket gopher activity noted onsite, a preferred prey.
Short-tailed Snake		<i>Stilosoma extenuatum</i>	T/--		X		Possible habitat present. Reclusive and little known snake.
AMPHIBIANS							
Florida Gopher Frog		<i>Rana capito aesopus</i>	SSC/--		X		Tortoise burrows onsite, known preferred dwelling. None seen at entrances.

1. FWC = Florida Fish & Wildlife Conservation Commission; USFWS = United States Fish and Wildlife Service; E = Endangered; T = Threatened; T(S/A) = Similarity of Appearance; T(E/P) = Threatened (Experimental Population; SSC = Species of Special Concern, NL = Not listed / de-listed, but protected.

Fig 12 FNAI Biodiversity Matrix



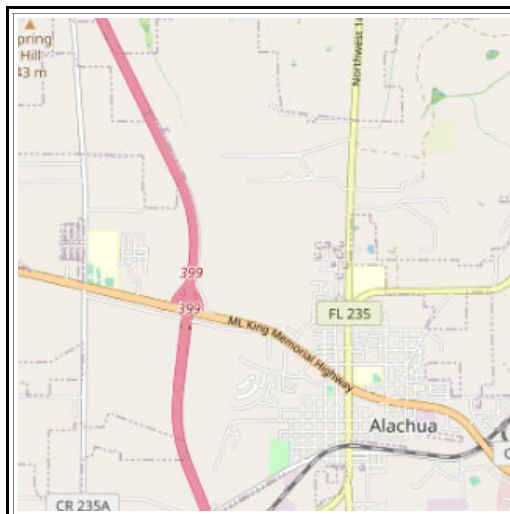
Florida Natural Areas Inventory Biodiversity Matrix Query Results UNOFFICIAL REPORT Created 7/18/2021

(Contact the FNAI Data Services Coordinator at 850.224.8207 or kbrinegar@fnai.fsu.edu
Report)

for information on an official Standard Data

NOTE: The Biodiversity Matrix includes only rare species and natural communities tracked by FNAI.

Report for 2 Matrix Units: 24587, 24588



Descriptions

DOCUMENTED - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit.

DOCUMENTED-HISTORIC - There is a documented occurrence in the FNAI database of the species or community within this Matrix Unit; however the occurrence has not been observed/reported within the last twenty years.

LIKELY - The species or community is *known* to occur in this vicinity, and is considered likely within this Matrix Unit because:

1. documented occurrence overlaps this and adjacent Matrix Units, but the documentation isn't precise enough to indicate which of those Units the species or community is actually located in; or
2. there is a documented occurrence in the vicinity and there is suitable habitat for that species or community within this Matrix Unit.

POTENTIAL - This Matrix Unit lies within the known or predicted range of the species or community based on expert knowledge and environmental variables such as climate, soils, topography, and landcover.

Matrix Unit ID: 24587

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

3 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S3	LT	FT
Mycteria americana Wood Stork	G4	S2	LT	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit ID: 24588

0 **Documented** Elements Found

0 **Documented-Historic** Elements Found

2 **Likely** Elements Found

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Drymarchon couperi Eastern Indigo Snake	G3	S3	LT	FT
Upland hardwood forest	G5	S3	N	N

Matrix Unit IDs: 24587, 24588

27 **Potential** Elements Common to Any of the 2 Matrix Units

Scientific and Common Names	Global Rank	State Rank	Federal Status	State Listing
Agrimonia incisa Incised Groove-bur	G3	S2	N	T
Aquatic cave	G3	S3	N	N
Asplenium heteroresiliens Wagner's Spleenwort	GNA	S1	N	N
Asplenium plenum Ruffled Spleenwort	G1Q	S1	N	N
Asplenium x curtissii Curtiss' Spleenwort	GNA	S1	N	N
Athene cunicularia floridana Florida Burrowing Owl	G4T3	S3	N	SSC

Calopogon multiflorus Many-flowered Grass-pink	G2G3	S2S3	N	T
Gopherus polyphemus Gopher Tortoise	G3	S3	C	ST
Grus canadensis pratensis Florida Sandhill Crane	G5T2T3	S2S3	N	ST
Hartwrightia floridana Hartwrightia	G2	S2	N	T
Hydroptila wakulla Wakulla Springs Vari-colored Microcaddisfly	G2	S2	N	N
Lampropeltis extenuata Short-tailed Snake	G3	S3	N	ST
Lithobates capito Gopher Frog	G3	S3	N	SSC
Litsea aestivalis Pondspice	G3?	S2	N	E
Matelea floridana Florida Spiny-pod	G2	S2	N	E
Melanoplus querneus Larger Sandhill Grasshopper	G2G3	S2S3	N	N
Myotis austroriparius Southeastern Bat	G3G4	S3	N	N
Neofiber alleni Round-tailed Muskrat	G3	S3	N	N
Peucaea aestivalis Bachman's Sparrow	G3	S3	N	N
Pituophis melanoleucus mugitus Florida Pine Snake	G4T3	S3	N	SSC
Peromyscus floridanus Florida Mouse	G3	S3	N	SSC
Procambarus pallidus Pallid Cave Crayfish	G2G3	S2S3	N	N
Pycnanthemum floridanum Florida Mountain-mint	G3	S3	N	T
Salix floridana Florida Willow	G2	S2	N	E
Sciurus niger shermani Sherman's Fox Squirrel	G5T3	S3	N	SSC
Sideroxylon alachuense Silver Buckthorn	G1	S1	N	E
Ursus americanus floridanus Florida Black Bear	G5T2	S2	N	N

Disclaimer

The data maintained by the Florida Natural Areas Inventory represent the single most comprehensive source of information available on the locations of rare species and other significant ecological resources statewide. However, the data are not always based on comprehensive or site-specific field surveys. Therefore, this information should not be regarded as a final statement on the biological resources of the site being considered, nor should it be substituted for on-site surveys. FNAI shall not be held liable for the accuracy and completeness of these data, or opinions or conclusions drawn from these data. FNAI is not inviting reliance on these data. Inventory data are designed for the purposes of conservation planning and scientific research and are not intended for use as the primary criteria for regulatory decisions.

Unofficial Report

These results are considered unofficial. FNAI offers a [Standard Data Request](#) option for those needing certifiable data.

Literature Reviewed

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<http://www.fws.gov/northflorida/BAldeagles/bald-eagles.htm>
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Environmental Resources Assessment Checklist



Alachua County Board of County Commissioners
Department of Growth Management

10 SW 2nd Ave., Gainesville, FL 32601
Website: <https://growth-management.alachuacounty.us>

Submit application to: **Development Review**

Tel. 352.374.5249

Email: developmentreview@alachuacounty.us

ENVIRONMENTAL RESOURCES ASSESSMENT CHECKLIST

Pursuant to Alachua County Comprehensive Plan 2002, as amended, Conservation Open Space Element Policy 3.4.1, applications for land use change, zoning change, and development approval shall be required to submit an inventory of natural resource information. The inventory shall include site specific identification, analysis and mapping of each resource present on or adjacent to the site. The identification and analysis shall indicate information sources consulted.

Natural Resources Checklist:

Check "Yes" for each resource or resource characteristic identified and discuss and provide supporting material.

Check "N/A" for each resource or resource characteristic not present or otherwise relevant to the application.

Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Surface Waters (ponds, lakes, streams, springs, etc.)
Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	Wetlands
Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	Surface Water or Wetland Buffers
Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	Floodplains (100-year)
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Special Area Study Resource Protection Areas (Cross Creek, Idylwild/Serenola, etc.)
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Strategic Ecosystems (within or adjacent to mapped areas)
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Significant Habitat (biologically diverse natural areas)
Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	Listed Species/Listed Species Habitats (FNAI S1, S2, & S3; State or Federally E, T, SSC)
Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	Non-native Invasive Species
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Recreation/Conservation/Preservation Lands
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Significant Geological Features (caves, springs, sinkholes, etc.)
Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	High Aquifer Recharge Areas
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Wellfield Protection Areas
Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	Wells
Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>	Soils
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Mineral Resources Areas
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Topography/Steep Slopes
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Historical and Paleontological Resources
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Hazardous Materials Storage Facilities
Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>	Contamination (soil, surface water, ground water)

Signed:  Project #: _____ Date: 7/18/21

For assistance in completing this form, please visit the Alachua County Environmental Protection Department (ACEPD) website at <http://alachuacounty.us/Depts/EPD/Pages/EPD.aspx> or contact ACEPD at (352) 264-6800.



SUWANNEE RIVER

WATER MANAGEMENT DISTRICT

Virginia Johns, Chair
Charles Keith, Secretary/Treasurer
Hugh Thomas, Executive Director

August 2, 2021

Sayed Moukhtara
7717 nw 20th Lane
Gainesville, FL, 32605

Subject: Request for Additional Information: ERP-001-234749-2, Tara Baywood Phases 1 & 2 and Tara Forest East Phases 1 & 2

The item(s) discussed below must be provided before project review can be completed as per Chapters 40B-400 and 62-330, Florida Administrative Code (F.A.C.). Please submit the following items to the Suwannee River Water Management District (District) by October 31, 2021.

1. Upon staff review, there are two separate subdivisions in this application with separate owners/HOAs and stormwater systems. Please submit two separate ERP individual permit applications for these subdivisions. Please note the application fee and surety are dependent on project size of each. [See 40B-1.704, 40B-1.706]
2. Please indicate whether there will be a Home/Property Owners Association (HOA, POA) for the proposed development. If this development will have an HOA/POA, please provide documents for review by District Attorneys. [See Chapter 63-330.060(4), F.A.C.]
3. Please provide an operation & maintenance plan and identify the operation and maintenance entity over the area for which the proposed activities will occur. [See ERP AH Volume I, Section 12.4]
4. Please provide the property's legal description in a word document format so that it can be used in the Recorded Notice of ERP in Alachua County's public records. [See ERP AH Volume I, Section 12.6(b)]
5. Please provide reasonable assurance that the finished floor elevations of all proposed structures are at least one foot above the max stage of the stormwater ponds. [See ERP AH Volume II, Section 2.3]
6. Please provide reasonable assurance the proposed culverts/pipes are sized to carry flows up to the 10-year, 24-hour storm event. [See ERP AH Volume II, Section 2.3]
7. Please ensure oil and grease control for the proposed stormwater facility for the Tara Baywood subdivision. [See AH Volume II Section 4.6.2, F.A.C.]
8. Please provide an emergency overflow structure for the stormwater pond and provide reasonable assurance that the top of the emergency overflow structure is above the maximum stage and below the top of pond. [See ERP AH Volume II, Section 5.1.2]
9. Upon staff review, the submitted survey for Tara Baywood was not signed. Please provide a signed survey. [See Environmental Resource Permit (ERP) Applicant's Handbook (AH) Volume II, Section 2.5]
10. Upon staff review, a signed and sealed stormwater report was not provided. Please provide all supporting calculations and full computer model inputs and outputs. For retention ponds, a computer

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model that incorporates a mounding analysis must be used. Please provide reasonable assurance the stormwater report meets all requirements of ERP Applicant's Handbook Volume II. [See Rule 62-330.054,F.A.C.]

11. Upon staff review, a signed and sealed geotechnical report was not submitted. Please submit a signed and sealed geotechnical report including soil borings, permeability tests, SHGWT, porosity, confining layer, etc. [See Environmental Resource Permit (ERP) Applicant's Handbook (AH) Volume II, Section 3.4.1]
12. Please provide reasonable assurance the project meets all applicable requirements of ERP Applicant's Handbook Volume I and Volume II. [See Rule 62-330.054,F.A.C.]
13. Upon staff review, it appears that there are wetlands located on-site. Please delineate wetland boundaries and schedule a site inspection with the District's environmental reviewer for this project, Sarah Corbett, at 386-647-3129, to verify the landward extent of on-site wetlands and surface waters. Please indicate wetland and buffer boundaries on plans. [See section 62-330.060(2), F.A.C]
14. Please provide reasonable assurance that the project will not result in unacceptable cumulative impacts (direct or secondary) upon wetlands and other surface waters. Secondary impacts will not be considered adverse if buffers, with a minimum width of 15 ft. and an average width of 25 ft., are provided abutting the wetlands. [See ERP AH Vol. I, Sections 10.1.1(g) and 10.2.7]
15. Please note: your project may require a Generic Permit for Stormwater Discharge for Large and Small Construction Activities, as part of the Florida NPDES stormwater program regulated by the Florida Department of Environmental Protection (FDEP). This permit is separate from the Environmental Resource Permit for which you are applying. Please refer to FDEP's program website, <http://www.dep.state.fl.us/water/stormwater/npdes/>, for more information.

This letter constitutes a request for additional information pursuant to Chapters 40B-1 and 40B-400 or 62-330, F.A.C., and Chapters 120 and 373, Florida Statutes. It is a violation of District rules to begin any work on the project before a permit is issued.

When submitting requested information, please use the E-permitting system as the District prefers electronic submittals to paper submittals. You can access the E-permitting system from our website, www.mysuwanneeriver.com

If you have any questions, you may contact me by phone at 386.362.1001 or by email at SAZ@srwmd.org.

Sincerely,



Sara Zybelle, E.I.
Engineer II
Division of Resource Management

Cc: Chris Potts, P.E. JBrown Professional Group Inc.

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