

Conservation Management Plan

This management plan form is intended for Board of Trustees leases and subleases of conservation properties that are 160 acres or less. It is intended to address the requirements of Chapter 253.034, 259.032 and rule 18-2.021. Attachments to, or expansion of this form are welcome, if the space provided below is not sufficient. Please answer all of the items below and number all attachments and reference them in the appropriate location below. You are under no obligation to use this form. Any plan format is acceptable, provided it includes all of the appropriate items from the above mentioned statutes and rule. This form is available in electronic format upon request. For additional information pertaining to management plans, please visit the Division of State Lands Stewardship page on the web at http://www.dep.state.fl.us/lands/stewardship.htm.

A. General Information

- 1. Common Name of the Property: Camp Milton Historic Preserve
- 2. Lease Number: ³²⁶⁶
- 3. Acres: ^{31.19}
- 4. Managing Agency: City of Jacksonville
- 5. Provide an executive summary/description of this property that includes a brief description of the resources, uses and proposed uses, outstanding features etc.

Camp Milton Historic Preserve is located on the west side of Jacksonville, Florida. The property is located along Halsema Road, north of Interstate 10 and just south of the Jacksonville-Baldwin Rail Trail. The city of Jacksonville has leased 31.19 acres from the State of Florida since 1984. The city also owns an additional 85 acres adjacent to the state-owned property that is managed as part of the the same park. The state-owned portion is open to the public and contains a boardwalk trail, interpretive signs, and historic earthwork remnants. The amenities on the property have reached its desired outcome and no additional amenities are proposed or needed. The city-owned portion provides public access from Halsema Road with parking, entrance sign, interpretive historic signs, education building, historic cabin, historic tree area, historic well, replica campaign bridge, replica earthworks, restrooms, and connection to the Rail Trail. The city hosts annual living history events including Civil War battle reenactments on the city-owned property. And, the city park naturalist provides at least 24 education programs throughout the year on the state-owned and city-owned properties.

The state-owned property is made up of the predominantly undisturbed natural communities of upland pine forest and bottomland forest. McGirts Creek also crosses the property. The site is within the FNAI rare species habitat area. Exotic species have been removed from the property and is regularly monitored for recurrence. The Civil War earthworks/cannon emplacements (Master site file 8DU648) are located on the state-owned property and can be seen from the boardwalk trail. Master site file number 8DU117 for Camp Milton is also located on the property. Camp Milton was a line of Confederate fortifications established in 1862 along McGirts Creek. Camp Milton is a significant Civil War site in northeast Florida.

- 6. Attach a map showing the location and boundaries of the property including:
 - a) The location and type of structures or improvements currently on the property.
 - b) The location and type of proposed improvements. Appendix A
- 7. Attach a map showing the proximity of this managed area to other conservation areas within 10 miles. Appendix B
- 8. Please attach a legal description of the property. Appendix C
- 9. Provide a physical description of the land including a quantitative data description of the land which includes an inventory of forest and other natural resource, exotic and invasive plants, hydrologic features, infrastructure including recreational facilities, and other significant land, cultural or historical features.

The state-owned property is forested with Upland Pine Forest (approximately 23 acres) and Bottomland Forest (approximately 8 acres). The site contains the McGirts Creek that runs from north to south on the property. The exotic and invasive plant species, namely Mimosa and Chinese Tallow, were located on the property and treated by the City in 2008. As sprouts of these species are observed, they are retreated as needed. A boardwalk trail is located on the property which provides an opportunity for visitors to view the remnants of the Civil War Earthworks/Cannon emplacements without further impacting the historic features.

10. A brief description of soil types, attaching USDA maps when available.

The general subsurface conditions encountered at the site consist of a surficial layer consisting of very loose to firm deposits of fine sand and slightly silty fine sand materials from ground surface until a depth of about 4 feet below the existing ground surface. Hard pan material described as dark brown slightly organic and slightly silty fine sand material was encountered below this surficial layer and a extended until boring termination depths. A Geotechnical Exploration and Evaluation Report was provided in the 2003 management plan.

11. Is the property adjacent to an aquatic preserve or designated area of critical state concern? YES NO \times

If YES, please identify:

12. Was the property acquired by a conservation land acquisition program? If YES, please identify.

The city-owned portion of Camp Milton was acquired with the help of the Florida Communities Trust. We are unaware of the state-owned property being acquired with the help of a land acquisition program. The State of Florida leases this property to the City of Jacksonville.

13. Do any agency-specific statute requirements or legislative/executive directives constrain the use of the property? (These restrictions can frequently be found in the lease) YES _____ NO \times _____

If YES, please identify

14. Are there any reservations or encumbrances on the property? YES _____NO \times ____

If YES, please identify:

B. Natural and Cultural Resources

15. Are there any archeological or historical sites on this property? YES \times NO ______ If YES,

A) How do you plan to locate, protect and preserve these resources?

The property includes a portion of site 8DU117 - Camp Milton which was a line of Confederate fortifications established in 1862 which saw more military action than any other Civil War site in Florida. This archaeological site is currently considered potentially eligible for the National Register of Historic Places. Another site is 8DU648 - Baldwin Earthworks which was the log earthworks prepared by the Confederate troops during the Civil War at Camp Milton. A 1970 survey by DHR identified the remains of the earthworks and is considered potentially eligible for the National Register of Historic Places. A boardwalk trail allows visitors to see the earthworks without impacting them. Staff regularly monitors the sites.

B) Please describe the actions the agency plans to take to locate and identify unknown Resources such as surveys of unknown archeological or historical sites.

A site survey has already been conducted. Should any other archaeological and historical resource be uncovered on the property, the Division of Historic Resources shall be contacted and the City will take appropriate measures to document and protect the resource.

16. Are there any buildings on the property that are fifty or more years old?

YES NO X

If YES,

- A) Please Identify:
- B) Have these buildings been evaluated by a historian or historic architect to determine their historical and/or architectural significance. If YES, please identify both the building(s) and the evaluators(s):
- C) Please state whether any such buildings are listed in the Florida Master Site File, National Register of Historic Places or a local register of historic places and identify such buildings.

By law, the managing agency must consult with the Division of Historical Resources with regard to any proposed land clearing or ground disturbing activities or with regard to any proposed rehabilitation, restoration or demolition of structures 50 or more years old. Please contact the Division of Historic Resources if you would like to obtain information on archeological/historical sites.

Division of Historical Resources Florida Department of State R.A. Gray Building, MS-8 Tallahassee, Florida 32399 (850) 245-6312

17. Please identify natural resources on the property that are listed in the Florida Natural Areas Inventory.

The property contains Upland Pine Forest or pine flatwoods. The canopy is dominated by slash pine (Pinus elliottil) with a few scattered loblolly bay (Gordonia /asianthus) and sweetbay (Magnolia virginiana). The understory and ground cover are dominated by saw palmetto (Serenoa repens), bitter gallberry (I/ex glabra), and bracken fern (Pteridium aquilinum). The wetlands associated with McGirts Creek in the eastern portion of the property are Bottomland Forest. The canopy in this community is dominated by hardwoods such as water oak (Quercus nigra), sweetgum, red maple, and tupelo with scattered slash pine and pond pine. The understory and groundcover are variable and the western side of McGirts Creek contains the Civil War earthworks associated with Camp Milton.

According to FNAI, listed species on or near the property includes Eastern Indigo Snake, Gopher Tortoise, Frosted Flatwoods Salamander, and Giant Orchid.

See Appendix E for the FNAI report and Appendix F for a Natural Communities Map.

18. Are any imperiled natural communities, unique natural features, or any State and federally listed endangered or threatened plant or animal species, on site? YES \times NO _____

If YES, please provide a specific description of how you plan to identify, locate, protect and preserve these species.

Listed species will be protected on this property in perpetuity by using the following strategies: 1) public access is limited to the boardwalk trail only, 2) no additional amenities are planned on the property, 3) gopher tortoise burrows will be surveyed and protected before any mechanical clearing of underbrush is completed to control fuel loads which is anticipated every 10 years, and 4) the boundary fence will be maintained to protect from encroachment and trespass.

If you would like further information regarding natural resources or endangered species please contact the Florida Natural Areas Inventory (FNAI).

Florida Natural Areas Inventory 1018 Thomasville Road, Suite 200-C Tallahassee, Florida 32303 (850) 224-8207

19. Please identify the water resources including swamps, marshes or other wetlands, on the property including the water quality classification for each water body and if the water body has been designated "Outstanding Florida Waters".

Bottomland Forest community has been identified on the site as a wetland community. The McGirts Creek is also located on the site. The site is not in a designated "Outstanding Florida Waters" Area.

20. Are any known mineral resources, such as oil, gas and phosphates, or any unique natural features, such as coral reefs, beaches, dunes, natural springs, caverns, large sinkholes, virgin timber stands, scenic vistas, and natural rivers and streams, and outstanding native landscapes containing relatively unaltered flora, fauna, and geological features on site? YES \times NO _____

If YES, Please identify and provide locations of these resources on a map. Appendix F

21. Are there fish or wildlife resources (both game and non-game) on the property? YES × NO If YES, please describe:

The property may contain: sailfin shiner, creek chub, speckled madtom, brown darter, blackbanded darter, amphiuma, Alabama waterdog, various salamanders, bronze frog, snapping turtle, loggerhead musk turtle, rainbow snake, watersnakes, gopher tortoise, eastern fence lizard, eastern diamondback rattlesnake, ringneck snake, gray rat snake, eastern king snake, cottonmouth, wood duck, red-tailed hawk, turkey, bobwhite, red-bellied woodpecker, yellow-billed cuckoo, screech owl, great-horned owl, ruby-throated hummingbird, acadian flycatcher, pileated woodpecker, opossum, gray squirrel, flying squirrel, raccoon, fox squirrel, cotton rat, cotton mouse, gray fox, bobcat, white-tailed deer.

C. Use of the Property

22. Please provide a statement of the purpose for which the lands were acquired, the projected use or uses as defined in Chapter 253.034, Florida Statutes, and the statutory authority you have for such uses.

These lands were acquired and leased to protect historical resources (Civil War Earthworks) on the property and provide public recreation.

23. Please state the desired outcome for this property, and key management activities necessary to achieve the desired outcome, including public access.

The property has reached its desired outcome. The site provides public access from the adjacent city-owned property to the historic Earthworks. The natural and cultural resources on the property have been protected by limiting public access to the boardwalk with no plans for future park amenities. Park staff will continue to monitor the resources. Staff will continue to offer living history programs and environmental education on the adjacent city-owned portion of the preserve.

24. Please state the single or multiple uses currently made of the property and if the property is single use, please provide an analysis of its potential for multiple-use.

Single × Multiple use/s is/are:

Public recreation while protecting historical resources.

25. Were multiple uses considered but not adopted? YE

YES _____ NO _X

If YES, please describe why:

26. Please provide an analysis of the potential use of private land managers to facilitate the restoration or management of these lands.

Assistance from private land managers for restoration/management is not needed.

27. Please provide an analysis of the potential of the property to generate revenues to enhance the management of the property.

There are no potential revenues for this property that would enhance the management of the property.

28. Describe the projected, current and recent past uses of the property, and any unauthorized uses, if known.

Camp Milton was a line of Confederate fortifications established in 1862 along McGirts Creek. The primarily use in the 1900s was agriculture. At one time it was proposed to be a septic sludge dump. The state-owned property is managed as part of the overall Camp Milton Historic Preserve. The state-owned property contains a 1/4 mile boardwalk trail which allows the public to observe remnants of the historic earthworks. The site will continue to be used as a public park and provide controlled access to the earthworks. There are no proposed additional uses or amenities for the state-owned property except to continue to monitor the resources and control invasive and exotic species, as needed.

29. Do the planned uses impact renewable and non-renewable resources on the property? YES <u>×</u> NO _____

If YES, please describe what specific activities will be taken to protect or enhance and conserve those resources and to compensate/mitigate the damage that is caused by the impacting use.

The historic earthworks are only accessible from the boardwalk. The public is only able to observe the earthworks from the boardwalk. Leaving the boardwalk is prohibited.

30. Should any parcels of land within or adjacent to the property be purchased because they are essential to management of the property? YES _____ NO \times _____ If YES, please attach a map of this area. Appendix

31. Are there any portions of this property no longer needed for your use?

YES _____ NO <u>×</u> If YES, please attach a map of this area.

32. Please describe what public uses and public access that would be consistent with the purpose for which this property was acquired.

The property was acquired for use as a public park and this property has been designed and constructed to meet this acquisition goal. The site is a historic park that is open to the public.

D. Management Activities

33. If more than one agency manages this property, describe the management responsibilities of each agency and how such responsibilities will be coordinated.

The City of Jacksonville has sole management responsibility for the property and facilitates daily operation as a public park.

34. Please discuss management needs and problems on the property including conservation of soil and water resources and control and prevention of soil erosion and water and soil contamination.

Boundary fencing has been effective in controlling unauthorized access from neighboring private property. Invasive and exotic species on adjacent private land occasionally encroaches onto the property. As these incidents occur, park staff takes action to eradicate the invasive exotic species on the property.

35. Identify adjacent land uses that will conflict with the planned use of this property, if any.

Adjacent private land uses include rural residential lands but does not conflict with the planned use of this property. The city-owned land adjacent to the property is park land that enhances the public use of this property.

36. Please describe measures used to prevent/control invasive, non-native plants.

The invasive and exotic plant species were professionally eradicated in 2008. Park staff regular monitors for new occurrences and treats as needed and educates adjacent private landowners to discourage presence on their property.

37. Was there any public or local government involvement / participation in the development of this plan? YES \times NO _____ If YES, please describe:

The City of Jacksonville's Parks, Recreation and Community Services Department developed this plan.

38. If an arthropod control plan has been established for this property, please include it as an attachment. (Attachment N/A) If one does not exist, provide a statement as to what arrangement exists between the local mosquito control district and the managing agency. See Chapter 388.4111 regarding mosquito control on public lands.

Mosquito control treatment is available upon request to the City's Mosquito Control Division.

39. Management Goals – The following 8 goals may not all be applicable to your site. Write N/A where appropriate. Also, please add as many goals, objectives, and measures as you wish.

Core Objectives		ctives Measure		Expenses and Manpower Budget
1	Habitat restoration and imp The upland pine forest and bott continue to monitor the conditio close proximity of residential, pu mechanical cuts will be used to	omland forests on the property on of these natural communities rescribed fire is not recommend	s to ensure the integrit	y is sustained. Due to
	Prescribe burn acres per year	acres burned per year	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Maintain acres per year within target fire return interval.	acres within fire return interval target	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Conduct habitat/natural community improvement on ²³ acres	acres with restoration underway	Within 2 yrs Within 10 yrs <u>×</u>	Expense \$ 10,000 Personnel \$ 500
	Conduct habitat/natural community restoration activities on acres.	acres restored	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Conduct timber harvest for the purposes of habitat restoration on acres	acres harvested	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$

2	Public Access and recreation	onal opportunities (Descr	iption):	
	The state-owned property conta the historic earthworks. The site the earthworks. There are no pro	will continue to be used as a	public park and provid	le controlled access to
	Maintain public access and recreational opportunities to allow for a recreational carrying capacity of 100 visitors per day	¹⁰⁰ visitor opportunities/day	Within 2 yrs <u>×</u> Within 10 yrs	Expense \$ Personnel \$_15,000/year
	Develop additional public access and recreational opportunities to allow for a carrying capacity of visitors/day	visitor opportunities/day	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Continue to provide ²⁴ interpretive/education programs	interpretive/education programs	Within 2 yrs <u>×</u> Within 10 yrs	Expense \$_500/year Personnel \$_4800/year
	Develop <u>o</u> new interpretive/education programs	interpretive/education programs	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
³ Hydrological preservation and restoration (Description): McGirts Creek crosses through the property and is in good condition. Park staff will monitor fo and signs of erosion.				-
	Conduct or obtain a site assessment/study to identify potential hydrology restoration needs	Assessment conducted? n Y N <u>X</u>	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Restore natural hydrologic condition and functions to acres on site	acres for which hydrologic restoration is underway (planning, grant writing, earth moving, etc.)	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$

4	<u>Sustainable forest manager</u> Not applicable.	acres for which natural hydrologic conditions and function are restored ment (Description):	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Prepare& implement a silviculture management plan including reforestation, harvesting, prescribed burning, restoration, and timber stand improvement activities and goals.	Silviculture management plan complete? Y N acres treated	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Develop and implement a process for conducting stand descriptions and forest inventory including a GIS database containing forest stands, roads & other attributes (including but not limited to: threatened & endangered species, archeological resources, exotic species locations, historical areas)	Complete GIS database and re-inventory all attributes every 3-5 years or as needed.	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
		acres of forest inventoried annually	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
E				
5	Exotic and invasive species Exotic species have been removinvasive species are treated/rem	ved from the property and is re		recurrence. Exotic and

	Annually treat <u></u> acres of EPPC Category I and Category II invasive exotic plant species.	acres treated	Within 10 yrs	Expense \$ Personnel \$	
	Implement control measures on <u>0</u> exotic and nuisance animal species	nuisance and exotic species for which control measures are implemented	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$	
6	6 <u>Capital facilities and infrastructure</u> Description-				
	To maintain $\underline{0}$ facilities, $\underline{0}$ miles of roads, and $\underline{1/4}$ miles of trails existing on site (as applicable)	<u>o</u> facilities, <u>o</u> miles roads, <u>1/4</u> miles trails maintained	Within 2 yrs <u>×</u> Within 10 yrs	\$_10,000/year	
	To construct <u>o</u> facilities. <u>o</u> miles of roads, and <u>o</u> miles of trails (as applicable)	miles roads, miles	Within 2 yrs Within 10 yrs	\$	
	To improve or repair_0 facilities0miles of roads, and _1/4miles of trails existing on site (as applicable)	<u></u> facilities, <u></u> miles roads, <u>1/4</u> miles trails improved or repaired		Expense \$_250,000 Personnel \$	
7	Cultural and historical reso Description-	burces			
	Ensure all known sites are recorded in the FL Division of Historical Resources Master Site file	² of recorded sites	Within 2 yrs <u>×</u> Within 10 yrs	Expense \$ Personnel \$	
	Monitor <u>2</u> recorded sites and send updates to DHR Master Site file as needed	² of sites monitored	Within 2 yrs <u>×</u> Within 10 yrs	Expense \$ Personnel \$_2000	

	Bring of recorded sites/cultural resources into good condition	of sites in good condition	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
8	Imperiled species habitat m Description- Listed species on or near the pr Salamander, and Giant Orchid. protect gopher tortoise burrows	operty includes Eastern Indigo Park staff will limit public acce	Snake, Gopher Torto ss to the boardwalk tr	ise, Frosted Flatwoods
	Develop baseline imperiled species occurrence inventory list	Baseline imperiled species occurrence inventory list complete Y <u>×</u> N	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Develop monitoring protocols for selected imperiled species	imperiled species for which monitoring protocols are developed	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$
	Implement monitoring protocols for <u>1</u> imperiled species	<u></u> species for which monitoring is ongoing	Within 2 yrs <u>×</u> Within 10 yrs	Expense \$ Personnel \$_2000/year
	[If applicable, provide additional measurable objective(s) for new or ongoing species-specific management activities for each of the priority species such as population augmentation, translocations, nest box projects, etc.]	of nest boxes, # of	Within 2 yrs Within 10 yrs	Expense \$ Personnel \$

40. Costs

Activity		Yearly Estimated Cost				
	Priority Cost	Other Management Cost	Cost Effective Methods			
Resource Management	\$5000/year		city staff			
Administration	\$1000/year		city staff			
Support						

Capital Improvements	\$2500,000	
Recreation Visitor Services	\$20,000/year	city staff
Law Enforcement Activities	\$0, in-kind	Jacksonville Sheriff's Office

41. A finding regarding whether each planned use conforms to the appropriate policies and guidelines of the State Lands Management Plan is required. The Plan can be found at http://www.dep.state.fl.us/lands/oes/slmp.pdf, by writing to the State of Florida Department of Environmental Protection, Division of State Lands, Office of Environmental Services, 3900 Commonwealth Boulevard, Mail Station 140, Tallahassee, Florida 32399-3000, or by calling (850) 245-2784. Does this plan conform to the State Lands Management Plan?

YES X NO _____

42. Please provide the following contact information below:

Name:	Brian Burket
Managing Agency:	City of Jacksonville
Address:	214 N. Hogan Street, 4th Floor Jacksonville, FL 32202
Phone:	904-255-7935
Email Address:	BBurket@coj.net

Date Management Plan Prepared: 7/20/2021

Please send this completed form and attachments to:

james.parker@dep.state.fl.us, Or

to: Division of State Lands D.E.P. M.S. 140 3900 Commonwealth Blvd. Tallahassee Fl. 32399-3000 850-245-3045

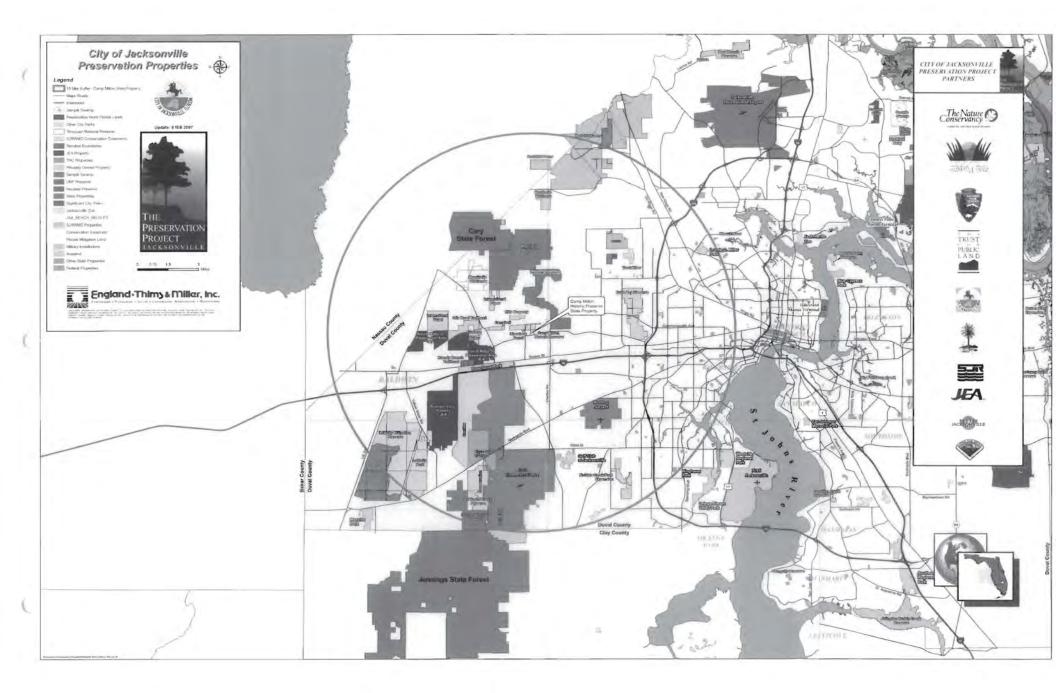
List of Appendices

- Appendix A.....Base Map
- Appendix B.....Vicinity Map
- Appendix C.....Legal Description
- Appendix D.....FNAI Report
- Appendix E.....Natural Communities Map

Appendix A – Base Map



Appendix B – Vicinity Map



Appendix C – Legal Description

Nov 19 02 11:43a	dept. of	recreation	630-3562	
FDEP/STATE LANDS	Fax:850-2452486	Nov 5 2002 10:30	P. 03	

ACTION: FAX TO ETM.

p.2

BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND

. .

LEASE AGREEMENT

No. 3266

WHEREAS, the Board of Trustees of the Internal Improvement Trust Fund holds title to certain lands and property being utilized by the State of Florida for public purposes, and

WHEREAS, the Executive Board of the Department of Natural Resources has, pursuant to Sections 375.032 and 375.041, Florida Statutes, authorized the purchase of the lands described herein and so declared that recreation is the prime purpose of the purchase, and

WHEREAS, the Board of Trustees of the Internal Improvement Trust Fund is authorized by Section 253.03, Plorida Statutes, to enter into leases for the use, benefit and possession of public lands by State agencies and other public entities which may properly use and possess them for the benefit of the State;

NOW, THEREFORE, this agreement made between the BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND of the State of Florida, as LESSOR, and the CITY OF JACKSONVILLE, as LESSEE,

WITNESSETN:

The parties, for and in consideration of mutual covenants and agreements hereinafter contained, hereby covenant and agree as follows:

1. The lessor does hereby lease to the lessee the following described real property in the County of Duval, State of Florida, together with the improvements thereon (if applicable), said real property being described in Exhibit "A" which is attached hereto and expressly made a part hereof.

ADR 1 8 TER

RECEIVED

Nov 6 2002 10:31

P. C4

FDEP/STATE LANDS Fax:850-2452486

No. 3266

Page 2

TO HAVE AND TO HOLD the above described land for a period of fifty (50) years for the purposes of developing recreation facilities and operating and maintaining the premises and facilities for general public recreation uses soley in accordance with the plan of development and use attached hereto and made a part hereof (Exhibit "B"). Modification to this plan can only be made upon consent of the lessor in consultation with the Division of Recreation and Parks of the Department of Natural Resources.

2. The lesses shall have the right to enter upon said land for all purposes necessary to the full enjoyment by said lesses of the rights herein conveyed to it.

3. The lessee shall through its agents and employees prevent the unauthorized use of said land or any use thereof not in conformity with this lease. When said land shall not be in accordance with the development plan (Exhibit "B"), the lessor, after consultation with the Division of Recreation and Parks of the Department of Natural Resources, shall notify the lessee in writing, and at the sole option of the lessor, this lease agreement may be immediately cancelled and ownership of all improvements be vested in the lessor.

4. The lessee shall surrender up the premises to the lessor, when and if said premises, including lands and improvements, shall cease to be used for the purposes described in Paragraph 1 above, or if the lessee shall fail to complete the plan of development and use described in Exhibit "B" hereto within three (3) years of the date of this lesse.

5. The lesses hereby covenants and agrees to investigate all claims of every nature at its own expense and to indemnify, protect, defend, hold and save harmless the lessor from any and all claims, actions, lawsuits and demands of any kind or nature arising out of this agreement to the extent allowable by law.

6. The lessor does not warrant or guarantee title, right or interest in the hereinabove described property. No. 3266

Page 3

7. The lessor or its duly authorized agents shall have the right at any time to inspect the said land and the works and operations thereon of the lessee in any matter pertaining to this agreement.

8. The lesse agrees to assume all responsibility for liabilities that accrue to the subject property or to the improvements thereon, including any and all drainage or special assessments or taxes of every kind and description which are now or may be hereafter lawfully assessed and levied against the subject property during the effective period of this lease.

9. The lessee is hereby authorized to grant utility easements which will be necessary to service authorized facilities located within the leased premises. Copies of any such easements granted shall be filed timely with the lessor.

10. This agreement is for the purposes specified herein, and subleases of any nature, excepting utility easements incident to authorized facilities (Provision 9), are prohibited, unless previously authorized by the lessor in consultation with the Division of Recreation and Parks of the Department of Natural Resources.

11. Upon cessation of occupation of said property, the lessee agrees to leave all fixed improvements for the use of the lessor and to put no claim upon said improvements; or, at the option of the lessor, the lessee agrees to remove any or all improvements on the property at the lessee's expense.

12. Execution of this agreement in no way affects the lessee's obligations pursuant to Chapter 267, Florida Statutes.

IN TESTIMONY WHEREOF, the legally designated agent of the Board of Trustees of the Internal Improvement Trust Fund of the State of Florida has hereunto subscribed his name and has caused the official seal of the Board of Trustees of the Internal Improvement Trust Fund of the State

Nov 19 02 11:44a	dept. of	recreation	630-3562	
FDEP/STATE LANDS	Fax:850-2452486	Nov 6 2002 10:31	P. 06	
	~	<u> </u>		

No. 3266

Page 4

of Florida to be hereunto affixed, in the City of Tallahassee, Florida,

May, N.D., 28%. on this the 7 day of

(SEAL) BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST · •, . FUND

BOARD OF TRUSTEES OF THE INTERNAL IMPROVEMENT TRUST FUND OF THE STATE OF FLORIDA

P.5

1

By <u>Executive Director</u>, Department of Natural Resources, Agent for the Board of Trustees of the Internal Improvement Trust Fund authorized to execute this instrume for and on its behalf pursuant to Section 253.431, Florida Statutes, and recolution recorded in its and resolution recorded in its minutes of November 4, 1975.

CITY OF JACKSONVILLE

Administration officer Donald R. McClure By Jaka Jaka Jaka Jaka Jayor .

ATTEST:

a. Brei Wesduase A. Renee' Woodward

••

.

Corporation Secretary T_{ij}

OVED AS 70 COAL CO a DEPARTMENT ATTORNEY

+ Am in a ASSISTANT COURSEL

•. . .

Lease No. 3266

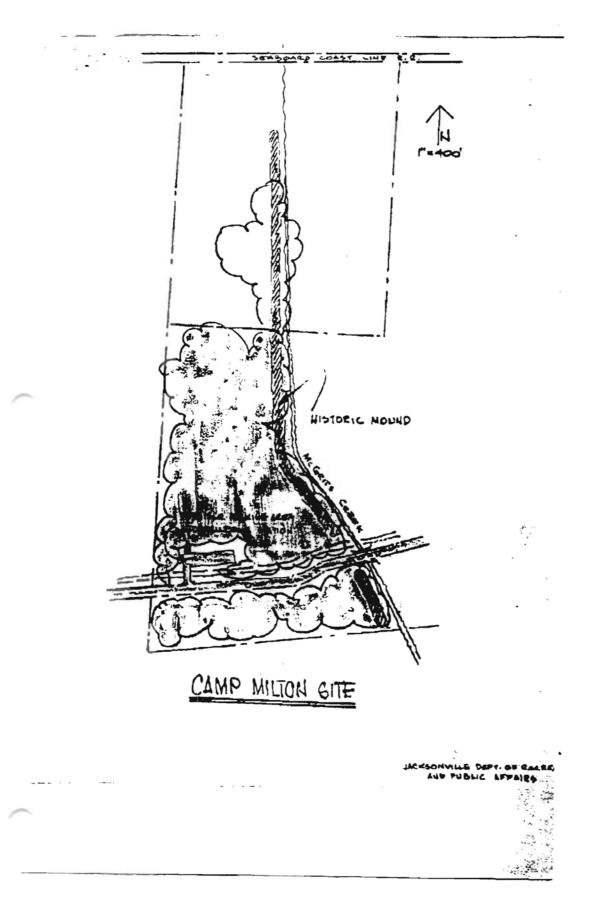
Exhibit "A"

A part of Section 13, Township 2 South, Range 24 East, Duval County, Florida more particularly described as follows:

For a Point of Beginning commence ut the Northwest corner of sold Section 13; Thence S.00°06'03°W., along the West line of sold Section 13, a distance of 1566.11 fout; Thunce N.83°14'10°E., along the Northerly Right of Way line of Old Flank Road (25 now established as a 60-foot Right of Way), a distance of 689.37 feet to the point of curve of a curve concave Northwesterly having a radius of 924.91 feet; Thence Northesetarity along the arc of said curve, a chord bearing of N.75°32'38°E. and a chord distance of 247.61 feet to the point of tangency of said curve; Thence N.67°51'05°E., along said Northerly Right of Way line, a distance of 315.33 feet; Thence N.34°GB'09°W., 50 feet Southwesterly of (when measured at right angles to) and parallel with the Southwesterly boundary of the lands as described in Official Accards Volume 4158, Page 320 of the curront Public Records of said County and along the 345 and official Records Volume 4602, Page 1147 of asid Public Extends), a distance of 709.11 feet to an angle point in sold Southwesterly boundary of official Records Volume 4863, Page 1147; Theme N.07°33'0°W., along the Westerly Houndary of the lands as described in Official Records Cificial Records Volume 4863, Page 1050 and Official Records Volume 4602, Page 1147 and Cificial Records Volume 4863, Page 1050 and Official Records Volume 4600, Page 1147 and Cificial Records Volume 4863, Page 1050 and Official Records Volume 4600, Page 1009 and Official Records Volume 4863, Page 968 all of the alorementioned Public Records, a distance of 735.04 feet to the Northwest corner of waid Jands as described in Official Records Volume 4869, Page 965; Thence S.89°05'26°W., along the North line of said Section 13, a distance of 719.40 feet to the Point of Enginming. Containing 31.19 acres more or less.

wege of 715.40 familie to the Polat of Regimeing, E





F . /

Appendix D – FNAI Report



1018 Thomasville Road Suite 200-C Tallahassee, FL 32303 850-224-8207 Jao 850-681-9364 www.fnal.org

Brian Burket City of Jacksonville 214 N. Hogan Street, 4th Floor, Room 473 Jacksonville, FL 32202

Dear Mr. Burket,

Thank you for requesting information from the Florida Natural Areas Inventory (FNAI). At your request we have produced the following report for your project area.

The purpose of this Standard Data Report is to provide objective scientific information on natural resources located in the vicinity of a site of interest, in order to inform those involved in project planning and evaluation. This Report makes no determination of the suitability of a proposed project for this location, or the potential impacts of the project on natural resources in the area.

May 20, 2021

Project:	Camp Milton Historic Preserve
Date Received:	5/18/2021
Location:	Duval County

Element Occurrences

A search of our maps and database indicates that we currently have several element occurrences mapped in the vicinity of the study area (see enclosed map and element occurrence table). Please be advised that a lack of element occurrences in the FNAI database is not a sufficient indication of the absence of rare or endangered species on a site.

Federally Listed Species

Our data indicate federally listed species are present on or very near this site, specifically Eastern Indigo Snake (*Drymarchon couperi*) (see enclosed map and tables for details). This statement should not be interpreted as a legal determination of presence or absence of federally listed species on a property.

The element occurrences data layer includes occurrences of rare species and natural communities. The map legend indicates that some element occurrences occur in the general vicinity of the label point. This may be due to lack of precision of the source data, or an element that occurs over an extended area (such as a wide ranging species or large natural community). For animals and plants, element occurrences generally refer to more than a casual sighting; they usually indicate a viable population of the species. Note that some element occurrences represent historically documented observations which may no longer be extant. Extirpated element occurrences will be marked with an 'X' following the occurrence label on the enclosed map.



Florida Resources

and Environmental Analysis Center

Institute of Science and Public Affairs

Likely and Potential Rare Species

In addition to documented occurrences, other rare species and natural communities may be identified on or near the site based on habitat models and species range models (see enclosed Biodiversity Matrix Report). These species should be taken into consideration in field surveys, land management, and impact avoidance and mitigation.

Tracking Florida's Biodiversity

The Florida State University

FNAI habitat models indicate areas, which based on land cover type, offer suitable habitat for one or more rare species that is known to occur in the vicinity. Habitat models have been developed for approximately 300 of the rarest species tracked by the Inventory, including all federally listed species.

FNAI species range models indicate areas that are within the known or predicted range of a species, based on climate variables, soils, vegetation, and/or slope. Species range models have been developed for approximately 340 species, including all federally listed species.

The FNAI Biodiversity Matrix Geodatabase compiles Documented, Likely, and Potential species and natural communities for each square mile Matrix Unit statewide.

CLIP

The enclosed map shows natural resource conservation priorities based on the Critical Lands and Waters Identification Project. CLIP is based on many of the same natural resource data developed for the Florida Forever Conservation Needs Assessment, but provides an overall picture of conservation priorities across different resource categories, including biodiversity, landscapes, surface waters, and aggregated CLIP priorities (that combine the individual resource categories). CLIP is also based primarily on remote sensed data and is not intended to be the definitive authority on natural resources on a site.

For more information on CLIP, visit http://www.fnai.org/clip.cfm.

Managed Areas

Portions of the site appear to be located within the Camp Milton Historic Preserve, managed by the City of Jacksonville.

The Managed Areas data layer shows public and privately managed conservation lands throughout the state. Federal, state, local, and privately managed conservation lands are included.

Land Acquisition Projects

This site appears to be located within the Northeast Florida Timberlands and Watershed Reserve Florida Forever BOT Project, which is part of the State of Florida's Conservation and Recreation Lands land acquisition program. For more information on this Florida Forever Project, contact the Florida Department of Environmental Protection, Division of State Lands.

Florida Forever Board of Trustees (BOT) projects are proposed and acquired through the Florida Department of Environmental Protection, Division of State Lands. The state has no specific land management authority over these lands until they are purchased.

The Inventory always recommends that professionals familiar with Florida's flora and fauna conduct a site-specific survey to determine the current presence or absence of rare, threatened, or endangered species.

Please visit www.fnai.org/trackinglist.cfm for county or statewide element occurrence distributions and links to more element information.

The database maintained by the Florida Natural Areas Inventory is the single most comprehensive source of information available on the locations of rare species and other significant ecological resources. 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. 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.

Information provided by this database may not be published without prior written notification to the Florida Natural Areas Inventory, and the Inventory must be credited as an information source in these

Tracking Florida's Biodiversity

publications. The maps contain sensitive environmental information, please do not distribute or publish without prior consent from FNAL. FNAI data may not be resold for profit.

Thank you for your use of FNAI services. If I can be of further assistance, please contact me at (850) 224-8207 or at kbrinegar@fnai.fsu.edu.

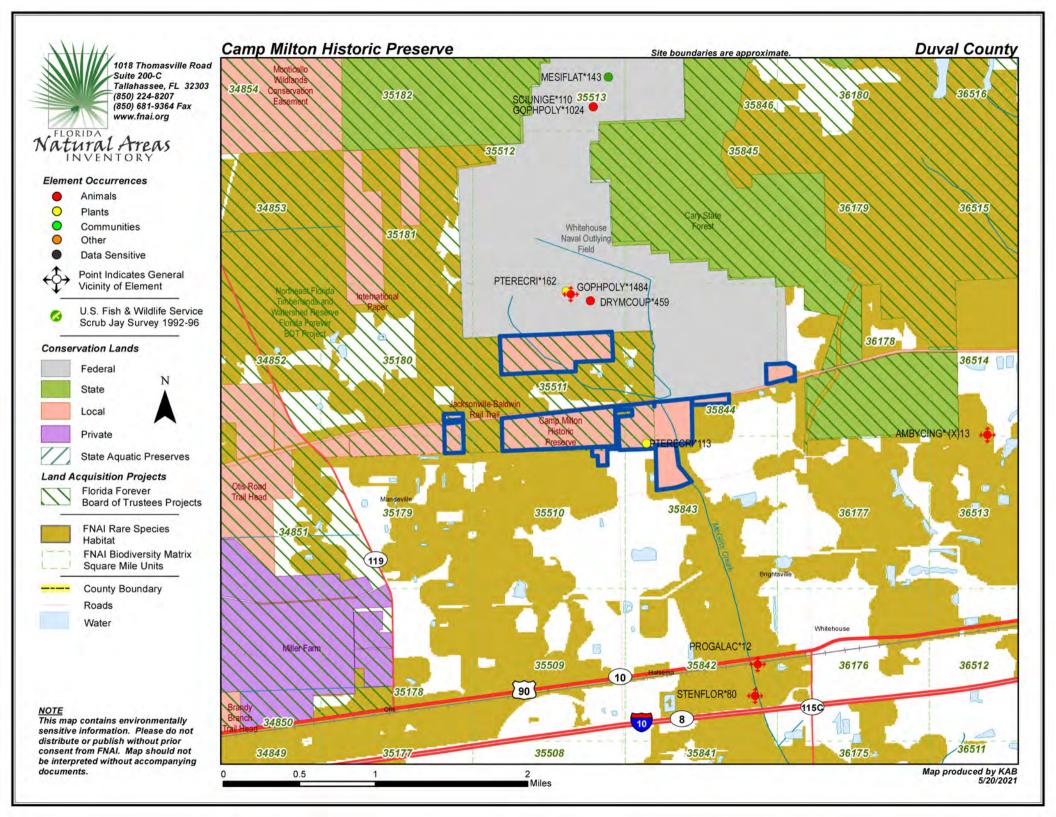
Sincerely,

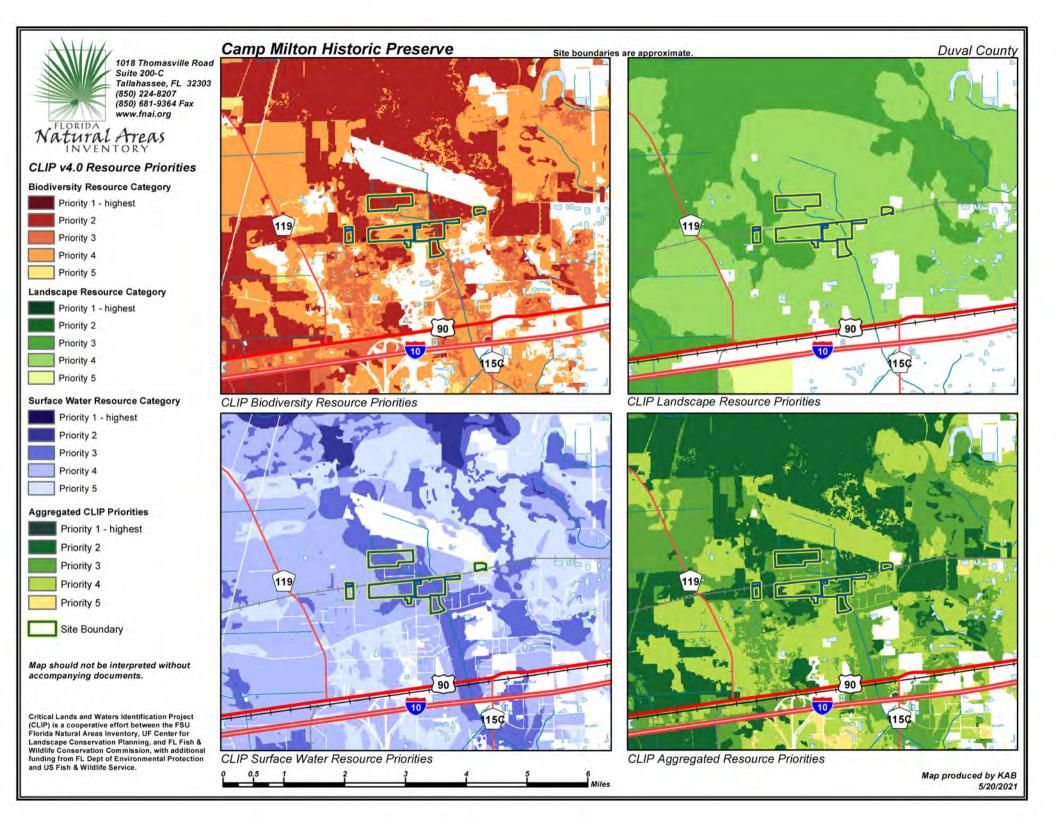
Kerri Brineçar

Kerri Brinegar GIS / Data Services

Encl

Tracking Florida's Biodiversity







Florida Natural Areas Inventory

Managed Area Element Summary Camp Milton Historic Preserve



INVENTORY SCIENTIFIC NAME	COMMON NAME	Global rank	State rank	Federal status	State status
PLANTS Pteroglossaspis ecristata	giant orchid	G2G3	S2	N	т
MAMMALS Ursus americanus floridanus	Florida Black Bear	G5T4	S4	N	N

Note: Summary includes all documented and likely species occurrence records currently in the FNAI database.



FNAI ELEMENT OCCURRENCE REPORT on or near



Camp Milton Historic Preserve

INVEN	TORY		Global	State	Federa	I State	Observatio	n	
Map Label	Scientific Name	Common Name	Rank	Rank	Status	Listing	Date	Description	EO Comments
AMEYCING* (X) 13	Ambystoma cingulatum	Frosted Flatwoods Salamander	G2	S1	Т	FT	1912-03-02	No description recorded. Area now developed.	2 specimens collected (US 49431, US 49432) in 1912 with the ambiguous location of Jacksonville (A50GOI01FLUS) Palis visited 6 likely ponds around Duval County to survey for Ambystoma cingulatum. Flatwoods Salamanders were not detected in that 1993 survey (U93PAL02FLUS). It is currently accepted that this species extirpated from Duval County.
DRYMCOUP*459	Drymarchon couperi	Eastern Indigo Snake	G3	S2?	T	FT	1996-01-18	The right-of-way is mowed several times a year. Vegetation consists of blackberry (Rubus sp.), Aristida sp., prickly pear (Opuntia sp.), and various grasses. A few saw palmetto (Serenoa repens) and oak seedlings and saplings remain. Soils include Mandarin and Arents fine sands.	1996-01-18: L. Smith found 1 shed skin in the vicinity of gopher tortoise burrows along the Whitehouse Naval Outyling Field air strip right-of-way (F96SMI02FLUS).
GOPHPOLY*1484	Gopherus polyphemus	Gopher Tortoise	G3	S3	C	ST	2004-05-14	open grass adjacent to air strip	2004 FNAI burrow survey: 146 burrows = 59 occupied, 64 unoccupied, 23. undetermined or abandoned; 3 small, 24 medium, 119 large.
PROGALAC*12	Progomphus alachuensis	Tawny Sanddragon	G3	S 3	N	N	1982-03-22	1982-03-22: No description given (U09DEP01FLUS):	1982-03-22: This species was documented by Florida Department of Environmental Protection agency staff at two localities on three dates going back to 1979-12-06 (U09DEP01FLUS).
PTERECRI*113	Pteroglossaspis ecristata	gianț orchid	G2G3	S2	Ņ	"T	2009-12-07	2009-12-07: Mowed clearing with scattered oaks (F09ELA01FLUS).	2009-12-07: One fruiting plant in clearing (F09ELA01FLUS).
PTERECRI*162	Pteroglossaspis ecristata	giant orchid	G2G3	S2	N	Ť	2004-02-12	FNAI NC recorded as ruderal Formerly sandhill and mesic flatwoods	Observed 1 plant in leaf



Florida Natural Areas Inventory

Biodiversity Matrix Report



NATURAL ATTEAS		Global	State	Federal	State
Scientific Name	Common Name	Rank	Rank		Listing
Matrix Unit ID: 35179					
Likely					
Drymarchon couperi Mesic flatwoods Mycteria americana	Eastern Indigo Snake Wood Stork	G3 G4 G4	S2? S4 S2	T N T	ГТ N ГТ
Potential					
Agrimonia incisa Ambystoma cingulatum Arnoglossum diversifolium Asclepias viridula Balduina atropurpurea Calopogon multiflorus Calydorea coelestina Ctenium floridanum Dryobates borealis Gopherus polyphemus Hartwrightia floridana Linum westii Lithobates capito Litsea aestivalis Matelea floridana Notophthalmus perstriatus Peucaea aestivalis Podomys floridanus Pteroglossaspis ecristata Pycnanthemum floridanum Rudbeckia nitida Sciurus niger niger Sideroxylon alachuense Verbesina heterophylla	incised groove-bur Frosted Flatwoods Salamander variable-leaved Indian-plantain southern milkweed purple honeycomb-head many-flowered grass-pink Bartram's ixia Florida toothache grass Red-cockaded Woodpecker Gopher Tortoise hartwrightia West's flax Gopher Frog pondspice Florida spiny-pod Striped Newt Bachman's Sparrow Florida Mouse giant orchid Florida mountain-mint St. John's blackeyed susan Southeastern Fox Squirrel silver buckthorn variable-leaf crownbeard	G3 G2 G2 G2 G2 G2 G2 G3 G2 G3 G2 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	\$2 \$1 \$2 \$2 \$1 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$2 \$3 \$3 \$3 \$2 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	z z z z z z z u u u z z z z z z z z z z	тҥттштшшѤ҄҄҄҄҄Ҭшヱшшヱヱヱттшヱшш
	vanable-lear crownbeard	62	32	N	÷
Matrix Unit ID: 35180					
Likely					
<i>Drymarchon couperi</i> Mesic flatwoods <i>Mycteria americana</i>	Eastern Indigo Snake Wood Stork	G3 G4 G4	S2? S4 S2	T N T	TT N TT
Potential					
Agrimonia incisa Ambystoma cingulatum Arnoglossum diversifolium Asclepias viridula Balduina atropurpurea Calopogon multiflorus Calydorea coelestina Corynorhinus rafinesquii Ctenium floridanum	incised groove-bur Frosted Flatwoods Salamander variable-leaved Indian-plantain southern milkweed purple honeycomb-head many-flowered grass-pink Bartram's ixia Rafinesque's Big-eared Bat Florida toothache grass	G3 G2 G2 G2 G2 G2G3 G2G3 G3G4 G2	S2 S1 S2 S1 S2S3 S2S3 S2S3 S1 S2	2 H Z Z Z Z Z Z	T FT T E T E Z E

Definitions: Documented - Rare species and natural communities documented on or near this site. Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity. Potential - This site lies within the known or predicted range of the species listed.

1018 Thomasville Road Suite 200-C Tallahassee, FL 32303 (850) 224-8207 (850) 681-9364 Fax Natural Areas

Florida Natural Areas Inventory

Biodiversity Matrix Report



Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Dryobates borealis	Red-cockaded Woodpecker	G3	S2	E, PT	FE
Gopherus polyphemus	Gopher Tortoise	G3	S3	С	ST
Hartwrightia floridana	hartwrightia	G2	S2	N	Т
Linum westii	West's flax	G1	S1	N	E
Lithobates capito	Gopher Frog	G2G3	S3	N	N
Litsea aestivalis	pondspice	G3?	S2	N	E
Matelea floridana	Florida spiny-pod	G2	S2	N	E
Notophthalmus perstriatus	Striped Newt	G2G3	S2	N	N
Peucaea aestivalis	Bachman's Sparrow	G3	S3	N	N
Pteroglossaspis ecristata	giant orchid	G2G3	S2	N	T
Pycnanthemum floridanum	Florida mountain-mint	G3	S3	N	T
Rudbeckia nitida	St. John's blackeyed susan	G3	S2	N	E
Sciurus niger niger	Southeastern Fox Squirrel	G5T5	S3	N	N
Sideroxylon alachuense	silver buckthorn	G1	S1	N	E
Verbesina heterophylla	variable-leaf crownbeard	G2	S2	N	E
Matrix Unit ID: 35510					
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S2?	Ť	FT
Mesic flatwoods		G4	S4	N	N
Mycteria americana	Wood Stork	G4	S2	Ť	FT
Potential					
Agrimonia incisa	incised groove-bur	G3	S2	N	T
Ambystoma cingulatum	Frosted Flatwoods Salamander	G2	S1	т	FT
Arnoglossum diversifolium	variable-leaved Indian-plantain	-G2	S2	N	T
Asclepias viridula	southern milkweed	G2	S2	N	Т
Balduina atropurpurea	purple honeycomb-head	G2	S1	N	E
Calopogon multiflorus	many-flowered grass-pink	G2G3	S2S3	N	Т
Calydorea coelestina	Bartram's ixia	G2G3	S2S3	N	E
Ctenium floridanum	Florida toothache grass	G2	S2	N	E
Dryobates borealis	Red-cockaded Woodpecker	G3	S2	E, PT	FE
Gopherus polyphemus	Gopher Tortoise	G3	S3	C	ST
Hartwrightia floridana	hartwrightia	G2	S2	N	T
Linum westii	West's flax	G1	S1	N	Ē
Lithobates capito	Gopher Frog	G2G3	S3	N	N
Litsea aestivalis	pondspice	G3?	S2	N	E
Matelea floridana	Florida spiny-pod	G2	S2	N	Ē
Notophthalmus perstriatus	Striped Newt	G2G3	S2	N	N
Peucaea aestivalis	Bachman's Sparrow	G3	S3	N	N
Podomys floridanus	Florida Mouse	G3	S3	N	N
Pteroglossaspis ecristata	giant orchid	G2G3	S2	N	Ť
Pycnanthemum floridanum	Florida mountain-mint	G3	S3	N	Ť
Rhynchospora thornei	Thorne's beaksedge	G3	S1S2	N	Ň
Rudbeckia nitida	St. John's blackeyed susan	G3	S2	N	E
Sciurus niger niger	Southeastern Fox Squirrel	G5T5	S2 S3	N	N
Sideroxylon alachuense	silver buckthorn	G1	S3	N	E
	variable-leaf crownbeard	G2	S2		E
Verbesina heterophylla	vanable-lear crownbeard	GZ	32	N	с.

Definitions:

Documented - Rare species and natural communities documented on or near this site. Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the visinity. Potential - This site lies within the known or predicted range of the species listed.

1018 Thomasville Road Suite 200-C Tallahassee, FL 32303 (850) 224-8207 (850) 681-9364 Fax Natural Areas

Florida Natural Areas Inventory

Biodiversity Matrix Report



NATURAL ATTEAS		1000	-	_	
Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Matrix Unit ID: 35511					1.1
Documented					
Drymarchon couperi Gopherus polyphemus Pteroglossaspis ecristata	Eastern Indigo Snake Gopher Tortoise giant orchid	G3 G3 G2G3	S2? S3 S2	T C N	FT ST T
Likely					
Mesic flatwoods <i>Mycteria americana</i>	Wood Stork	G4 G4	S4 S2	N T	N FT
Potential					
Agrimonia incisa Ambystoma cingulatum Arnoglossum diversifolium Asclepias viridula Balduina atropurpurea Calopogon multiflorus Calydorea coelestina Corynorhinus rafinesquii Ctenium floridanum Dryobates borealis Hartwrightia floridana Linum westii Lithobates capito Litsea aestivalis Matelea floridana Notophthalmus perstriatus Peucaea aestivalis Pycnanthemum floridanum Rudbeckia nitida Sciurus niger niger Sideroxylon alachuense Verbesina heterophylla	incised groove-bur Frosted Flatwoods Salamander variable-leaved Indian-plantain southern milkweed purple honeycomb-head many-flowered grass-pink Bartram's ixia Rafinesque's Big-eared Bat Florida toothache grass Red-cockaded Woodpecker hartwrightia West's flax Gopher Frog pondspice Florida spiny-pod Striped Newt Bachman's Sparrow Florida mountain-mint St. John's blackeyed susan Southeastern Fox Squirrel silver buckthorn variable-leaf crownbeard	G3 G2 G2 G2 G2 G2 G3 G3 G4 G2 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3 G3	S2 S1 S2 S2 S1 S2S3 S2S3 S1 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2 S2	z + z z z z z z z z ^f m	тӺҥҥѡ҂ѡӄҥѡӡѡҵӡҡѡӡѡщ
Matrix Unit ID: 35843					
Documented					
Pteroglossaspis ecristata	giant orchid	G2G3	S2	N	T
Documented-Historic					
Progomphus alachuensis	Tawny Sanddragon	G3	S3	N	N
Likely					
Drymarchon couperi Mesic flatwoods Mycteria americana	Eastern Indigo Snake Wood Stork	G3 G4 G4	S2? S4 S2	T N T	FT N FT
Potential					
Arnoglossum diversifolium	variable-leaved Indian-plantain	G2	S2	N	τ

Definitions: Documented - Rare species and natural communities documented on or near this site. Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity. Potential - This site lies within the known or predicted range of the species listed. 1018 Thomasville Road Suite 200-C Tallahassee, FL 32303 (850) 224-8207 (850) 681-9364 Fax

Natural Areas

Florida Natural Areas Inventory

Biodiversity Matrix Report



INVENTORY Scientific Name	Common Name	Global Rank	State Rank	Federal Status	State Listing
Asclepias viridula	southern milkweed	G2	S2	N	Т
Balduina atropurpurea	purple honeycomb-head	G2	S1	N	E
Calopogon multiflorus	many-flowered grass-pink	G2G3	S2S3	N	Т
Calydorea coelestina	Bartram's ixia	G2G3	S2S3	N	E
Ctenium floridanum	Florida toothache grass	G2	S2	N	E
Dryobates borealis	Red-cockaded Woodpecker	G3	S2	E, PT	FE
Gopherus polyphemus	Gopher Tortoise	G3	S3	č	ST
Hartwrightia floridana	hartwrightia	G2	S2	Ň	T
Linum westii	West's flax	G1	S1	N	Ē
Lithobates capito	Gopher Frog	G2G3	S3	N	Ň
Litsea aestivalis	pondspice	G3?	S2	N	E
Matelea floridana	Florida spiny-pod	G2	S2	N	Ē
Notophthalmus perstriatus	Striped Newt	G2G3	S2	N	Ň
			S2 S1	N	E
Orbexilum virgatum	pineland scurfpea	G1			
Peucaea aestivalis	Bachman's Sparrow	G3	S3	N	N
Podomys floridanus	Florida Mouse	G3	S3	N	N
Pycnanthemum floridanum	Florida mountain-mint	G3	S3	N	T
Rhynchospora thornei	Thorne's beaksedge	G3	S1S2	N	N
Rudbeckia nitida	St. John's blackeyed susan	G3	S2	N	E
Sciurus niger niger	Southeastern Fox Squirrel	G5T5	S3	N	N
Sideroxylon alachuense	silver buckthorn	G1	S1	N	E
Verbesina heterophylla	variable-leaf crownbeard	G2	S2	N	E
latrix Unit ID: 35844					
Likely					
Drymarchon couperi	Eastern Indigo Snake	G3	S2?	T	FT
Mesic flatwoods		G4	S4	N	N
Mycteria americana	Wood Stork	G4	S2	Ť	FT
Potential					
Ambystoma cingulatum	Frosted Flatwoods Salamander	G2	S1	T	FT
Arnoglossum diversifolium	variable-leaved Indian-plantain	G2	S2	N	Т
Asclepias viridula	southern milkweed	G2	S2	N	т
Balduina atropurpurea	purple honeycomb-head	G2	S1	N	E
Calopogon multiflorus	many-flowered grass-pink	G2G3	S2S3	N	Ť
Calydorea coelestina	Bartram's ixia	G2G3	S2S3	N	E
Ctenium floridanum	Florida toothache grass	G2	S2	N	Ē
Dryobates borealis	Red-cockaded Woodpecker	G3	S2	E, PT	FE
Gopherus polyphemus	Gopher Tortoise	G3	S3		ST
Hartwrightia floridana		G2	S2	C N	T
	hartwrightia West's flax	G1	S1	N	É
Linum westii					
Lithobates capito	Gopher Frog	G2G3	S3	N	N
Litsea aestivalis	pondspice	G3?	S2	N	E
Matelea floridana	Florida spiny-pod	G2	S2	N	E
Notophthalmus perstriatus	Striped Newt	G2G3	S2	N	N
Peucaea aestivalis	Bachman's Sparrow	G3	S3	N	N
Podomys floridanus	Florida Mouse	G3	S3	N	N
Pteroglossaspis ecristata	giant orchid	G2G3	S2	N	T
Pycnanthemum floridanum	Florida mountain-mint	G3	S3	N	T

Definitions:

Documented - Rare species and natural communities documented on or near this site.

Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the visinity. Potential - This site lies within the known or predicted range of the species listed.



M

Florida Natural Areas Inventory

Biodiversity Matrix Report



INVENTORY			State	Federal	State	
Scientific Name	Common Name	Rank	Rank	Status	Listing	
Rhynchospora thornei	Thorne's beaksedge	G3	S1S2	N	N	
Rudbeckia nitida	St. John's blackeyed susan	G3	S2	N	E	
Sciurus niger niger	Southeastern Fox Squirrel	G5T5	S3	N	N	
Sideroxylon alachuense	silver buckthorn	G1	S1	N	E	
Verbesina heterophylla	variable-leaf crownbeard	G2	S2	N	E	
Aatrix Unit ID: 36178						
Likely						
Drymarchon couperi	Eastern Indigo Snake	G3	S2?	Т	FT	
Mesic flatwoods		G4	S4	N	N	
Mycteria americana	Wood Stork	G4	S2	T	FT	
Potential						
Ambystoma cingulatum	Frosted Flatwoods Salamander	G2	S1	Т	FT	
Arnoglossum diversifolium	variable-leaved Indian-plantain	G2	S2	N	T	
Asclepias viridula	southern milkweed	G2	S2	N	Т	
Balduina atropurpurea	purple honeycomb-head	G2	S1	N	E	
Calopogon multiflorus	many-flowered grass-pink	G2G3	S2S3	N	Т	
Calydorea coelestina	Bartram's ixia	G2G3	S2S3	N	E	
Ctenium floridanum	Florida toothache grass	G2	S2	N	E	
Dryobates borealis	Red-cockaded Woodpecker	G3	S2	E, PT	FE	
Gopherus polyphemus	Gopher Tortoise	G3	S3	С	ST	
Hartwrightia floridana	hartwrightia	G2	S2	N	т	
Linum westii	West's flax	G1	S1	N	E	
Lithobates capito	Gopher Frog	G2G3	S 3	N	N	
Litsea aestivalis	pondspice	G3?	S2	N	E	
Matelea floridana	Florida spiny-pod	G2	S2	N	E	
Notophthalmus perstriatus	Striped Newt	G2G3	S2	N	N	
Orbexilum virgatum	pineland scurfpea	G1	S1	N	E	
Peucaea aestivalis	Bachman's Sparrow	G3	S3	N	N	
Podomys floridanus	Florida Mouse	G3	S 3	N	N	
Pteroglossaspis ecristata	giant orchid	G2G3	S2	N	т	
Pycnanthemum floridanum	Florida mountain-mint	G3	S3	N	T	
Rhynchospora thornei	Thorne's beaksedge	G3	S1S2	N	N	
Rudbeckia nitida	St. John's blackeyed susan	G3	S2	N	Ê	
Sciurus niger niger	Southeastern Fox Squirrel	G5T5	S3	N	N	
Sideroxylon alachuense	sil∨er buckthorn	G1	S1	N	E	
Verbesina heterophylla	variable-leaf crownbeard	G2	S2	N	E	

Documented - Rare species and natural communities documented on or near this site. Definitions:

Documented-Historic - Rare species and natural communities documented, but not observed/reported within the last twenty years. Likely - Rare species and natural communities likely to occur on this site based on suitable habitat and/or known occurrences in the vicinity. Potential - This site lies within the known or predicted range of the species listed.

Elements and Element Occurrences

An **element** is any exemplary or rare component of the natural environment, such as a species, natural community, bird rookery, spring, sinkhole, cave, or other ecological feature.

An **element occurrence (EO)** is an area of land and/or water in which a species or natural community is, or was, present. An EO should have practical conservation value for the Element as evidenced by potential continued (or historical) presence and/or regular recurrence at a given location.

Element Ranking and Legal Status

Using a ranking system developed by NatureServe and the Natural Heritage Program Network, the Florida Natural Areas Inventory assigns two ranks for each element. The global rank is based on an element's worldwide status; the state rank is based on the status of the element in Florida. Element ranks are based on many factors, the most important ones being estimated number of Element Occurrences (EOs), estimated abundance (number of individuals for species; area for natural communities), geographic range, estimated number of adequately protected EOs, relative threat of destruction, and ecological fragility.

FNAI GLOBAL ELEMENT RANK

G1 = Critically imperiled globally because of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of extreme vulnerability to extinction due to some natural or man-made factor.

G2 = Imperiled globally because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.

G3 = Either very rare and local throughout its range (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors.

G4 = Apparently secure globally (may be rare in parts of range).

G5 = Demonstrably secure globally.

- **GH** = Of historical occurrence throughout its range, may be rediscovered (e.g., ivory-billed woodpecker).
- **GX** = Believed to be extinct throughout range.

GXC = Extirpated from the wild but still known from captivity or cultivation.

G#? = Tentative rank (e.g., G2?).

G#G# = Range of rank; insufficient data to assign specific global rank (e.g., G2G3).

G#T# = Rank of a taxonomic subgroup such as a subspecies or variety; the G portion of the rank refers to the entire species and the T portion refers to the specific subgroup; numbers have same definition as above (e.g., G3T1). G#Q = Rank of questionable species - ranked as species but questionable whether it is species or subspecies; numbers have same definition as above (e.g., G2Q).

G#T#Q = Same as above, but validity as subspecies or variety is questioned.

GU = Unrankable; due to a lack of information no rank or range can be assigned (e.g., GUT2).

GNA = Ranking is not applicable because the element is not a suitable target for conservation (e.g. a hybrid species).

GNR = Element not yet ranked (temporary).

GNRTNR = Neither the element nor the taxonomic subgroup has yet been ranked.

FNAI STATE ELEMENT RANK

S1 = Critically imperiled in Florida because of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of extreme vulnerability to extinction due to some natural or man-made factor.

S2 = Imperiled in Florida because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.

S3 = Either very rare and local in Florida (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors.

S4 = Apparently secure in Florida (may be rare in parts of range).

S5 = Demonstrably secure in Florida.

SH = Of historical occurrence in Florida, possibly extirpated, but may be rediscovered (e.g., ivory-billed woodpecker).

SX = Believed to be extirpated throughout Florida.

SU = Unrankable; due to a lack of information no rank or range can be assigned.

SNA = State ranking is not applicable because the element is not a suitable target for conservation (e.g. a hybrid species).

SNR = Element not yet ranked (temporary).

FEDERAL LEGAL STATUS

Legal status information provided by FNAI for information only. For official definitions and lists of protected species, consult the relevant federal agency.

Definitions derived from U.S. Endangered Species Act of 1973, Sec. 3. Note that the federal status given by FNAI refers only to Florida populations and that federal status may differ elsewhere.

C = Candidate species for which federal listing agencies have sufficient information on biological vulnerability and threats to support proposing to list the species as Endangered or Threatened.

E = Endangered: species in danger of extinction throughout all or a significant portion of its range.

E, **T** = Species currently listed endangered in a portion of its range but only listed as threatened in other areas **E**, **PDL** = Species currently listed endangered but has been proposed for delisting.

E, **PT** = Species currently listed endangered but has been proposed for listing as threatened.

E, **XN** = Species currently listed endangered but tracked population is a non-essential experimental population.

 \mathbf{T} = Threatened: species likely to become Endangered within the foreseeable future throughout all or a significant portion of its range.

PE = Species proposed for listing as endangered

PS = Partial status: some but not all of the species' infraspecific taxa have federal

PT = Species proposed for listing as threatened

SAT = Treated as threatened due to similarity of appearance to a species which is federally listed such that enforcement personnel have difficulty in attempting to differentiate between the listed and unlisted species.

SC = Not currently listed, but considered a "species of concern" to USFWS.

STATE LEGAL STATUS

Provided by FNAI for information only. For official definitions and lists of protected species, consult the relevant state agency.

Animals: Definitions derived from "Florida's Endangered Species and Species of Special Concern, Official Lists" published by Florida Fish and Wildlife Conservation Commission, 1 August 1997, and subsequent updates.

C = Candidate for listing at the Federal level by the U. S. Fish and Wildlife Service

FE = Listed as Endangered Species at the Federal level by the U. S. Fish and Wildlife Service

FT = Listed as Threatened Species at the Federal level by the U. S. Fish and Wildlife Service

FXN = Federal listed as an experimental population in Florida

FT(S/A) = Federal Threatened due to similarity of appearance

ST = State population listed as Threatened by the FFWCC. Defined as a species, subspecies, or isolated population which is acutely vulnerable to environmental alteration, declining in number at a rapid rate, or whose range or habitat is decreasing in area at a rapid rate and as a consequence is destined or very likely to become an endangered species within the foreseeable future.

SSC = Listed as Species of Special Concern by the FFWCC. Defined as a population which warrants special protection, recognition, or consideration because it has an inherent significant vulnerability to habitat modification, environmental alteration, human disturbance, or substantial human exploitation which, in the foreseeable future, may result in its becoming a threatened species. (SSC* for Pandion haliaetus (Osprey) indicates that this status applies in Monroe county only.)

N = Not currently listed, nor currently being considered for listing.

Plants: Definitions derived from Sections 581.011 and 581.185(2), Florida Statutes, and the Preservation of Native Flora of Florida Act, 5B-40.001. FNAI does not track all state-regulated plant species; for a complete list of state-regulated plant species, call Florida Division of Plant Industry, 352-372-3505 or see: http://www.doacs.state.fl.us/pi/.

E = Endangered: species of plants native to Florida that are in imminent danger of extinction within the state, the survival of which is unlikely if the causes of a decline in the number of plants continue; includes all species determined to be endangered or threatened pursuant to the U.S. Endangered Species Act.

 \mathbf{T} = Threatened: species native to the state that are in rapid decline in the number of plants within the state, but which have not so decreased in number as to cause them to be Endangered.

N = Not currently listed, nor currently being considered for listing.

Element Occurrence Ranking

FNAI ranks of quality of the element occurrence in terms of its viability (EORANK). Viability is estimated using a combination of factors that contribute to continued survival of the element at the location. Among these are the size of the EO, general condition of the EO at the site, and the conditions of the landscape surrounding the EO (e.g. an immediate threat to an EO by local development pressure could lower an EO rank).

- **A** = Excellent estimated viability
- **A?** = Possibly excellent estimated viability
- **AB** = Excellent or good estimated viability
- **AC** = Excellent, good, or fair estimated viability
- **B** = Good estimated viability
- **B?** = Possibly good estimated viability
- **BC** = Good or fair estimated viability
- **BD** = Good, fair, or poor estimated viability
- **C** = Fair estimated viability
- **C?** = Possibly fair estimated viability
- **CD** = Fair or poor estimated viability
- **D** = Poor estimated viability
- **D?** = Possibly poor estimated viability
- **E** = Verified extant (viability not assessed)
- **F** = Failed to find
- H = Historical
- **NR** = Not ranked, a placeholder when an EO is not (yet) ranked.
- **U** = Unrankable
- **X** = Extirpated

*For additional detail on the above ranks see: http://www.natureserve.org/explorer/eorankguide.htm

FNAI also uses the following EO ranks:

- **H?** = Possibly historical
- F? = Possibly failed to find
- **X?** = Possibly extirpated

The following offers further explanation of the H and X ranks as they are used by FNAI:

The rank of H is used when there is a lack of recent field information verifying the continued existence of an EO, such as (a) when an EO is based only on historical collections data; or (b) when an EO was ranked A, B, C, D, or E at one time and is later, without field survey work, considered to be possibly extirpated due to general habitat loss or degradation of the environment in the area. This definition of the H rank is dependent on an interpretation of what constitutes "recent" field information. Generally, if there is no known survey of an EO within the last 20 to 40 years, it should be assigned an H rank. While these time frames represent suggested maximum limits, the actual time period for historical EOs may vary according to the biology of the element and the specific landscape context of each occurrence (including anthropogenic alteration of the environment). Thus, an H rank may be assigned to an EO before the maximum time frames have lapsed. Occurrences that have not been surveyed for periods exceeding these time frames should not be ranked A, B, C, or D. The higher maximum limit for plants and communities (i.e., ranging from 20 to 40 years) is based upon the assumption that occurrences of these elements generally have the potential to persist at a given location for longer periods of time. This greater potential is a reflection of plant biology and community dynamics. However, landscape factors must also be considered. Thus, areas with more anthropogenic impacts on the environment (e.g., development) will be at the lower end of the range, and less-impacted areas will be at the higher end.

The rank of X is assigned to EOs for which there is documented destruction of habitat or environment, or persuasive evidence of eradication based on adequate survey (i.e., thorough or repeated survey efforts by one or more experienced observers at times and under conditions appropriate for the Element at that location).

Appendix E – Natural Communities Map

