

ETONIAH CREEK STATE FOREST

LAND MANAGEMENT PLAN

APRIL 2015

EXHIBITS

Exhibit S

Current Natural Communities



Florida Forest Service

Coordinate System: Florida Albers
High Accuracy Reference Network (HARN) Datum

Etoniah Creek State Forest

Current Natural Communities

DISCLAIMER:
This map was prepared by the Florida Forest Service
for the Florida Department of Natural Resources (FL DNR) and is not
intended to be used for any other purpose. The Florida Forest Service
does not warrant the accuracy or completeness of the information
presented on this map. The Florida Forest Service is not responsible for
any errors or omissions in this map. The Florida Forest Service is not
responsible for any damages or liabilities arising from the use of this
map.

Managed Area boundaries courtesy of
the Florida Natural Areas Inventory
Formerly Used Defense Sites (FUDS) from the
US Army Corps of Engineers.

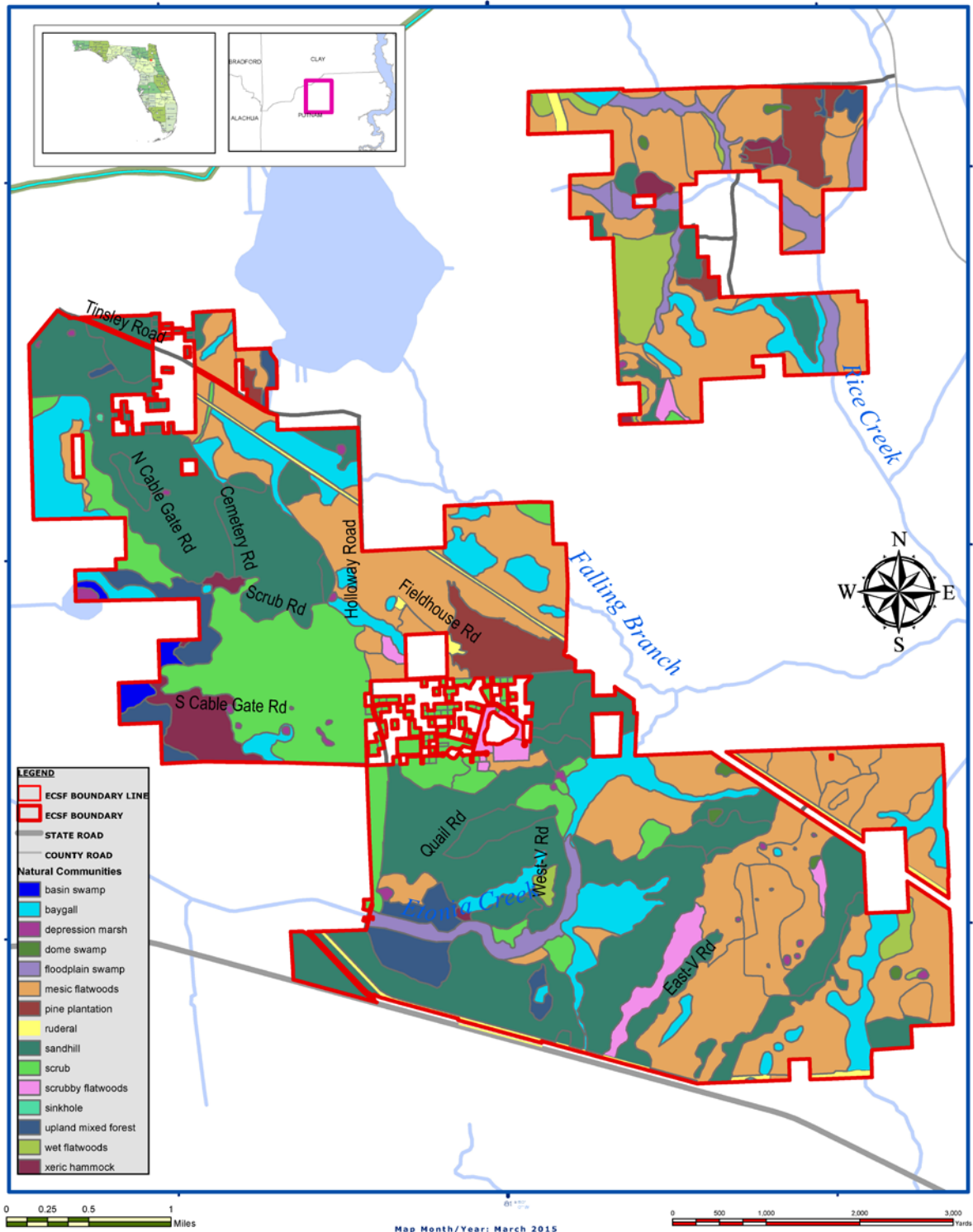


Exhibit T

Historic Natural Communities



Florida Forest Service

Coordinate System: Florida Albers
High Accuracy Reference Network (HARN) Datum

Etoniah Creek State Forest Historic Natural Communities

DISCLAIMER:
This map was prepared by the Florida Forest Service
and is for informational purposes only. It is not intended
to be used for legal or regulatory purposes.
The Florida Forest Service makes no warranty, either
express or implied, for the accuracy of the information
on this map.

Managed Area boundaries courtesy of
the Florida Natural Areas Inventory
Formerly State Defense Sites (SDS) from the
US Army Corps of Engineers

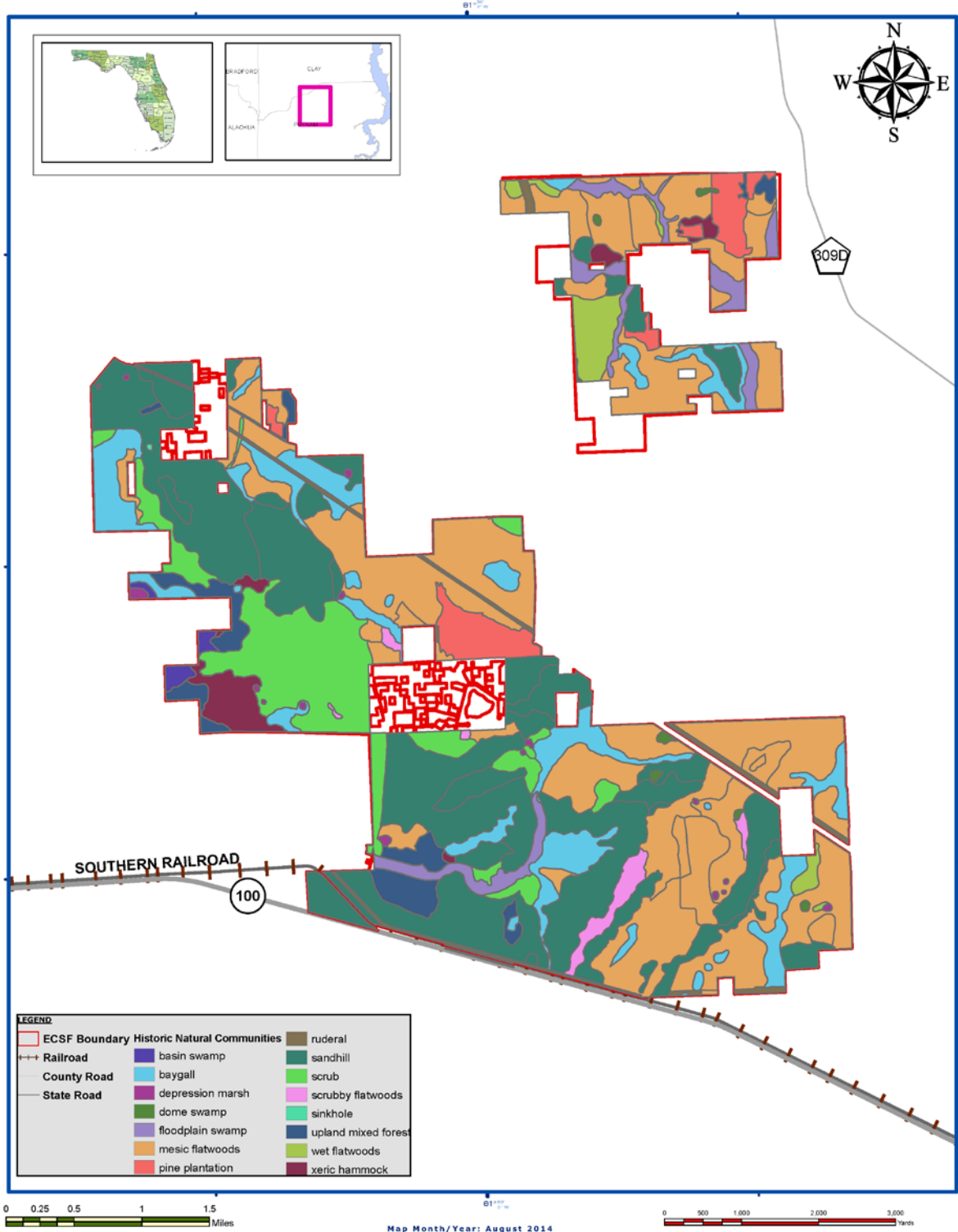


Exhibit U

Management Prospectus

Etoniah/Cross Florida Greenway

Clay, Putnam, Marion, Levy and
Citrus Counties

Critical Natural Lands

Purpose for State Acquisition

Though partially logged and planted in pine, the large expanse of flatwoods, sandhills, and scrub in central Putnam County, extending to the Cross-Florida Greenway along the Ocklawaha River, is important for the survival of many kinds of wildlife and plants. The Greenway itself is a unique strip of land for recreation and conservation that makes a cross-section of the peninsula from the Withlacoochee River to the St. Johns. The Etoniah/Cross Florida Greenway project will conserve the Putnam County land as well as fill in gaps in the Greenway; ensure that wildlife such as Florida black bear and scrub jays and plants such as the Etoniah rosemary will have areas in which to live; and provide recreation for the public ranging from long-distance hiking trails to fishing, camping, and hunting. This project may also help complete the Florida National Scenic Trail, a statewide non-motorized trail that crosses a number of Florida Forever project sites.

Manager

Florida Forest Service/FFS (formerly Division of Forestry/DOF), Florida Department of Agriculture and Consumer Services (Etoniah Creek tract) and Office of Greenways and Trails (OGT), Florida Department Environmental Protection (remaining tracts). FFS will monitor compliance with the terms of any less-than-fee purchase agreement.

General Description

The project consists of a large tract extending north from the Cross Florida Greenway to Clay County, and four smaller tracts designed to fill in gaps in state ownership along the Cross Florida Greenway. The original Etoniah/Cross Florida Greenway project is important for the survival of black bear in northeast Florida, includes many acres of pine plantation and cut-over flatwoods, but also high-quality sandhill, a unique white-cedar swamp along Deep Creek, and patches of sand pine scrub near Etoniah Creek that harbor at least a dozen rare species including fox squirrel, gopher tortoise, indigo and pine snakes, rare crayfish, and seven rare plants including the only known site for federally listed Etoniah rosemary. The smaller tracts include high-quality floodplain swamps along the Ocklawaha River; mixed forest land near U.S. 441 south of Ocala; and Inglis Island, disturbed pinelands between the old Cross Florida Barge Canal and the Withlacoochee River. Eight archaeological sites are known from the project. The greatest threat to the project area is intensive logging, but the uplands on the large tract are suitable for residential development. The smaller sites would lose their value as connectors if developed for residences.

Public Use

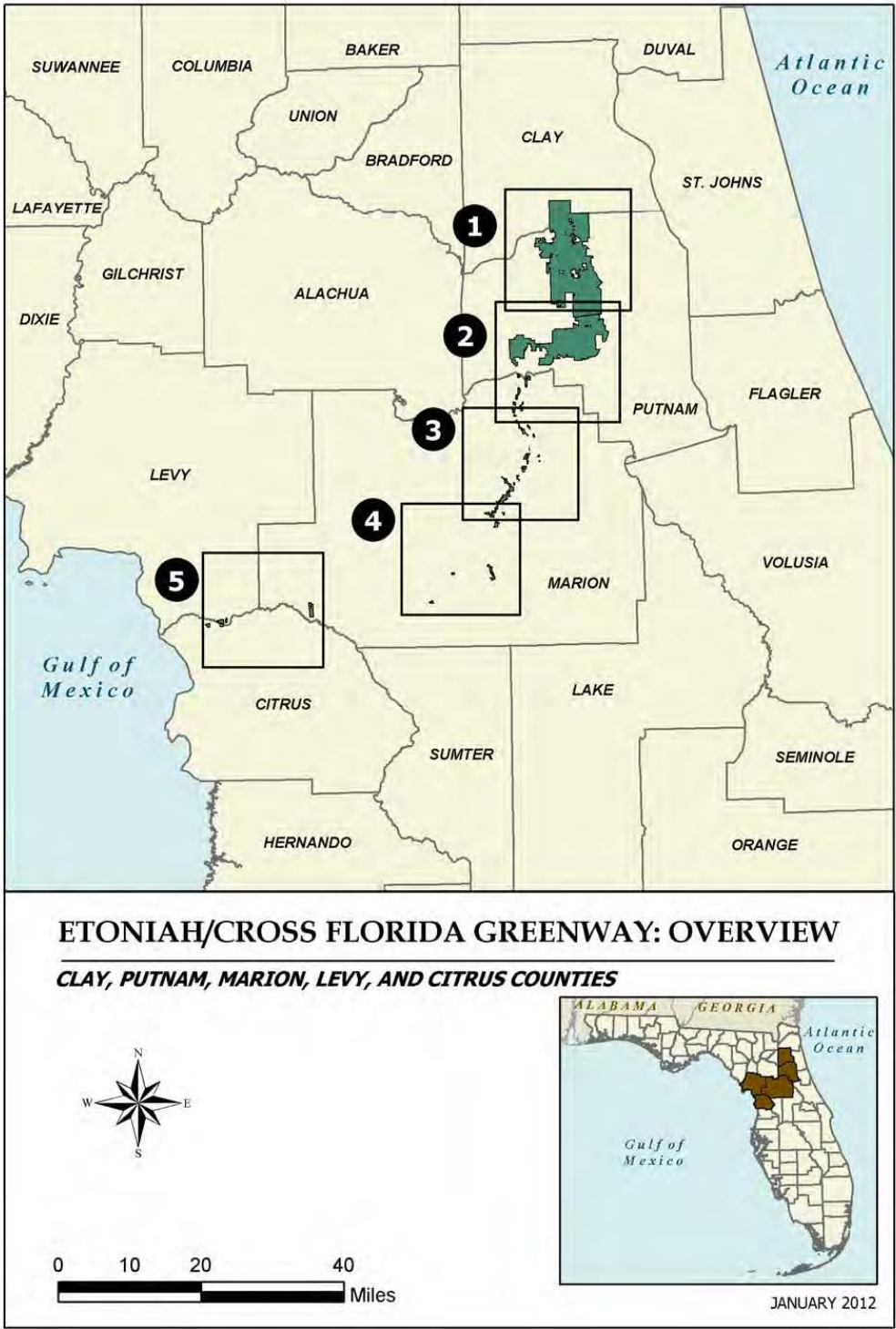
The Cross Florida Greenway connectors will form part of a conservation and recreation area; the majority of

Etoniah/Cross Florida Greenway FNAI Elements	
<i>Etonia Rosemary</i>	G1/S1
Florida Scrub-jay	G2/S2
Florida Black Bear	G5T2/S2
Eastern Indigo Snake	G3/S3
Gopher Tortoise	G3/S3
Florida Mouse	G3/S3
Swallow-tailed Kite	G5/S2
Florida Willow	G2/S2
Pinkroot	G2Q/S2
<i>Variable-leaved Indian-plantain</i>	G2/S2
<i>Pinewoods Dainties</i>	G4T2/S2
Black Creek Crayfish	G2/S2
33 rare species are associated with the project	

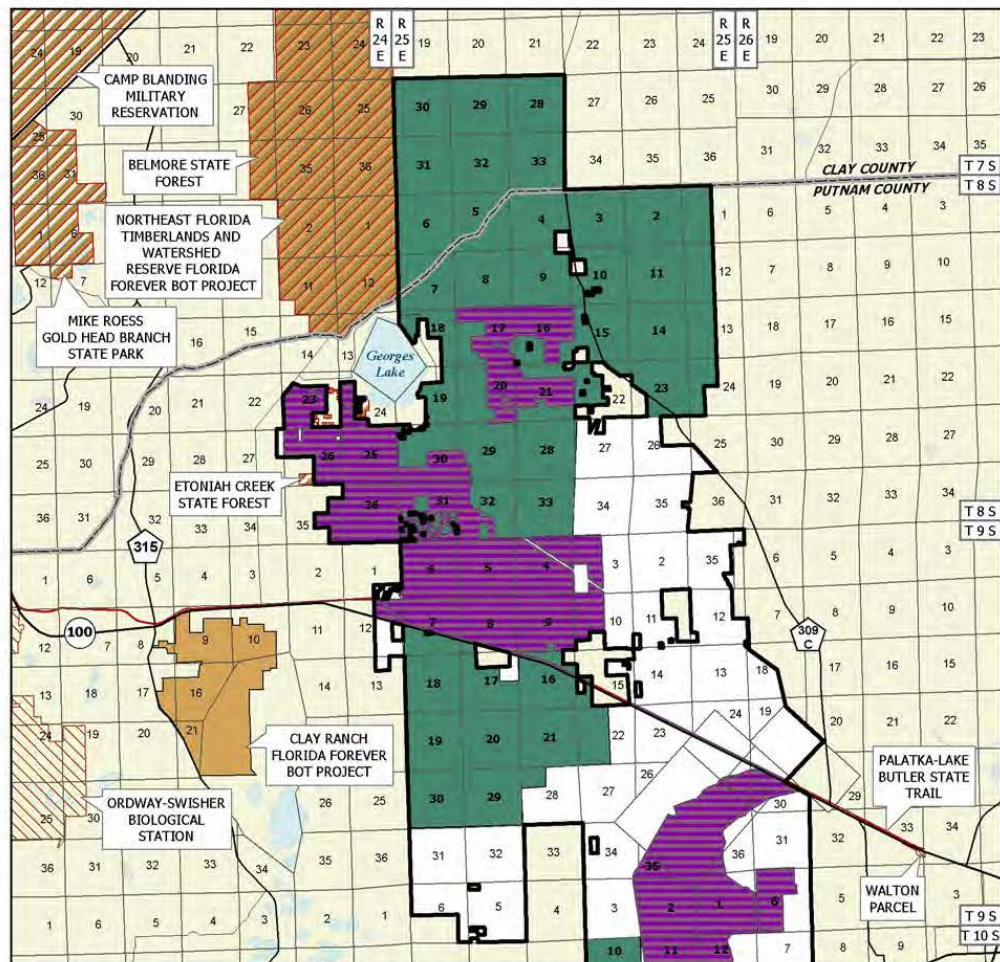
Placed on List	1995*
Project Area (GIS Acres)	93,259
Acres Acquired (GIS)	26,957**
at a Cost of	\$20,773,131**
Acres Remaining (GIS)	66,302
with Estimated (Tax Assessed) Value of \$170,079,702	

* Etoniah Creek, Cross Florida Greenways and Cross Florida Greenways Phase II were combined in 1995 to create Etoniah/Cross Florida Greenway. A Less-Than-Fee parcel of approximately 18,406 acres was added to the project in 1997.

** Includes a donation of 43 acres and acreage acquired and funds spent by the SJRWMD on Plum Crk/Rick Co.



Etoniah/Cross Florida Greenway



ETONIAH/CROSS FLORIDA GREENWAY: MAP 1 OF 5

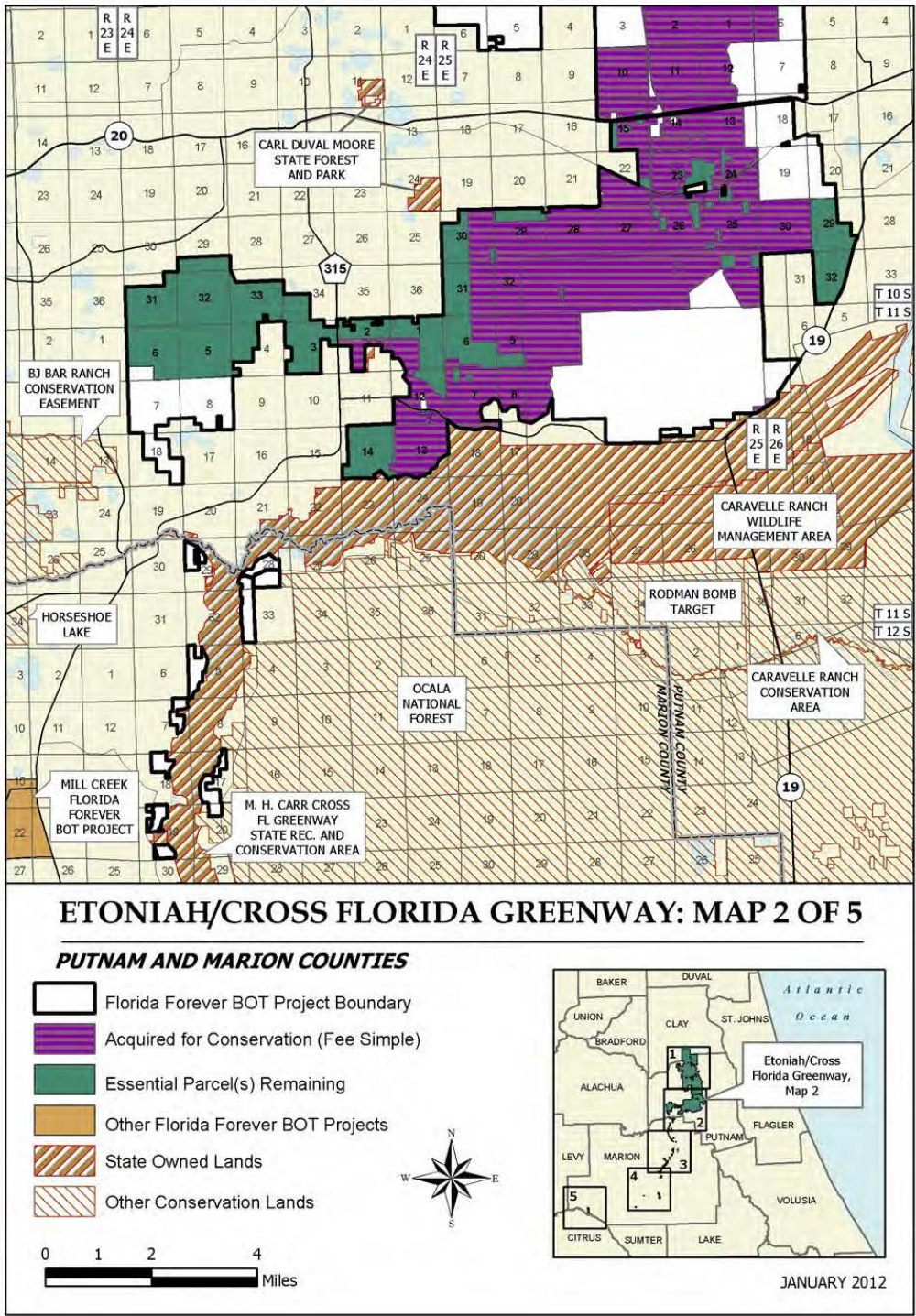
CLAY AND PUTNAM COUNTIES

- Florida Forever BOT Project Boundary
- Acquired for Conservation (Fee Simple)
- Essential Parcel(s) Remaining
- Other Florida Forever BOT Projects
- State Owned Lands
- Other Conservation Lands

0 1 2 4
Miles



JANUARY 2012



Etoniah/Cross Florida Greenway

the large (Etoniah) tract will become a state forest. The various parts of the project will offer opportunities for hiking, hunting, fishing and nature appreciation.

Acquisition Planning

Etoniah Creek

Phase I tracts (essential) include Stokes and Agricola, formerly Deltona (acquired), Union Camp, Manning (acquired) and Interlachen Lake Estates Subdivision. Life-of-the-South (Odom) is also an essential tract. Phase II includes other large ownerships, such as Roberts, as well as other smaller tracts and subdivisions.

Cross Florida Greenway

Phase I (essential) includes the westernmost segment (Deep Creek Corridor) consisting of a portion of the Miller family ownerships and approximately 14 other owners.

Cross Florida Greenway Phase II

The priority tract (essential) within this portion of the project is the Inglis Island site (acquired by the Office of Greenways and Trails).

On 7/20/1994 the Council added 210 acres to the boundaries of the predecessor projects.

On 12/7/1995, the Council approved the addition of 2,664 acres to the project boundary. The addition included lakeshore and lake bottom associated with Rodman Reservoir. A second modification was made to allow the St. Johns River Water Management District (SJRWMD) to acquire, on the State's behalf, a large ownership (Odom) not identified in the original Phase I area. Acquisition of the canal easement areas is also a priority.

On 3/15/1996 the Council approved adding 141 acres to the project boundaries. On 12/5/1996, the Council transferred the Georgia-Pacific ownership (18,146 acres) to the Less-Than-Fee category.

On 10/15/1998, the Council designated as essential an additional 9,870 acres - Georgia-Pacific and seven smaller tracts in a corridor between two already acquired tracts, and portions of the Roberts ownership.

On 8/22/2000, the Acquisition and Restoration Council (ARC) added 2,110 acres (Florida Power ownership along the Cross Florida Greenway State Recreation and Conservation areas) to the project. On 1/25/2001, ARC added 1,543 acres to the project (boundary in the

Deep Creek area). On 5/17/2001, ARC added 1,110 acres to the boundaries of the project.

On 2/25/2003 the project was added to the Group A list of Florida Forever projects.

On 4/13/2007, the ARC approved a fee-simple, 85-acre addition, known as Foxtrotter Ranch, to the project boundary. It was sponsored by the Office of Greenways & Trails (OGT), consisted of one landowner, Richard Simon, one parcel, and a taxable value of \$2,267,908. OGT will manage the site. The house (approximately 2.5 acres) is not included in the addition, however, it may be donated to the state subsequent to acquisition.

In 6/2008, some 1.19 acres of the Harrington ownership were purchased for \$15,000 with the FFS Florida Forever funds. FFS will manage this section. In 9/2008, the FFS used Florida Forever funds to buy the following acreages: 1.08 acres (Fred Yankee, LLC) for \$13,500; 0.87 acres (Goddard) for \$23,000; 1.01 acres (Land Reclamation, Inc.) for \$15,000; 2.52 acres (Cann) for \$23,000; 1.21 acres (Martin) for \$14,000; 1.27 acres (Vehoski) for \$14,000; and 1 acre (Murray) for \$15,000. The DOF will manage all of these parcels. In 10/2008, the FFS used Florida Forever funds to buy 1.25 acres (Uttech) for \$11,500; 2.5 acres (Lachmansingh) for \$25,000; 3.61 acres (Chapman) for \$37,500; and 2.53 acres (Thornton) for \$23,000. The FFS will manage these parcels. In 11/2008, the FFS used Florida Forever funds to buy 1.27 acres (Dubay) for \$14,000; 1.24 acres (Hood) for \$15,500; 1.25 acres (Contreras) for \$14,000; and 1.24 acres (South) for \$14,000. FFS will manage these parcels.

On 1/21/2009 SJRWMD purchased 208 acres for \$474,363 (Plum Creek/Rick Co.). In 10/2009, 1.25 acres were purchased from Margaret Vail for \$14,000. In November 2009, 1.25 acres were purchased from Kenneth/Diane Schwing for \$15,500. On 12/10/2009, FFS purchased 1.43 acres for \$13,500 and will manage this tract.

On 11/4/2010 FFS purchased 106 acres (Moore--\$405,000) with Florida Forever funds. FFS will manage.

On 1/3/2011, FFS purchased 1.29 acres (Williams--\$18,000 with FF funds. FFS will manage. On 5/2/2011 the FFS funded 1.25 acres (Cearley-\$12,000)

Etoniah/Cross Florida Greenway

in the Cross Florida Greenway portion and will manage. On 8/3/2011 FFS purchased 3.69 acres (Interlachen Lakes Estates) for \$27,500; FFS to manage. On 12/9/2011 ARC recommended a 1509-acre reduction to the project boundary containing residential development/commercial buildings/infrastructure.

Coordination

The SJRWMD was the intermediary in the acquisition of the Manning tract and has provided information and expertise on several other tracts. The Office of Greenways and Trails used additions and inholding funds to acquire Inglis Island. The Division of State Lands will assume the lead on acquisition of the remaining tracts.

Management Policy Statement

The primary goals of management of the Etoniah/Cross Florida Greenway project are: to conserve and protect environmentally unique and irreplaceable lands that contain native, relatively unaltered flora and fauna representing a natural area unique to, or scarce within, a region of this state or a larger geographic area; to conserve and protect significant habitat for native species or endangered and threatened species; to conserve, protect, manage, or restore important ecosystems, landscapes, and forests, in order to enhance or protect significant surface water, coastal, recreational, timber, fish or wildlife resources which local or state regulatory programs cannot adequately protect; and to provide areas, including recreational trails, for natural-resource-based recreation.

Management Prospectus

Qualifications for state designation The large size, restorable pine plantations, and diversity of the Etoniah Creek portion of this project make it highly desirable for management as a state forest. The Cross Florida Greenway State Recreation and Conservation Area includes scenic and historic rivers, lakes, wetlands, and uplands. It is also near, or contiguous with, many other state-owned lands. The Cross Florida Greenway portion of this project, together with the lands already in the Greenway, has the configuration, location, and resources to qualify as a state recreation area.

Manager The FFS proposes to manage the 57,000-acre Etoniah Creek portion of the project and the OGT will manage the remaining lands in the vicinity of the old Cross Florida Barge Canal.

Conditions affecting intensity of management There are no known major disturbances in the Etoniah Creek

portion that will require extraordinary attention, so management intensity is expected to be typical for a state forest. Lands in the Cross Florida Greenway portion are generally moderate-need tracts.

Timetable for implementing management and provisions for security and protection of infrastructure

Once the core area of the Etoniah Creek portion is acquired, the FFS will provide access to the public for low-intensity, non-facilities-related outdoor recreation. Initial activities will include securing the tract, providing public and fire management accesses, inventorying resources, and removing trash. The FFS will provide access to the public while protecting sensitive resources. The tract's natural resources and threatened and endangered plants and animals will be inventoried to provide the basis for a management plan.

Long-range plans for the Etoniah Creek portion will generally be directed toward restoring disturbed areas to their original conditions, as far as possible, as well as protecting threatened and endangered species. An all-season burning program will use, whenever possible, existing roads, black lines, foam lines and natural breaks to contain fires. Timber management will mostly involve improvement thinning and regeneration harvests. Plantations will be thinned and, where appropriate, reforested with species found in natural ecosystems. Stands will not have a targeted rotation age. Infrastructure will primarily be located in disturbed areas and will be the minimum required for management and public access. The FFS will promote environmental education. For the Greenway portion, activities within the first year after acquisition will primarily consist of site security, resource inventory, removal of trash, and resource-management planning. Long-range activities proposed include a multipurpose trail and facilities for public access.

Revenue-generating potential In the Etoniah Creek portion, the FFS will sell timber as needed to improve or maintain desirable ecosystem conditions. These sales will provide a variable source of revenue, but the revenue-generating potential for this project is expected to be moderate. In the Greenway portion, no revenues are expected to be generated within the first three years after acquisition. However, as the Greenway is developed during its 20-year facility development plan, revenues will be derived from user fees, the sale of products from the lands (limerock berm and timber), and the sale of surplus lands.

Cooperators in management activities The FFS will cooperate with and seek the assistance of other state

Etoniah/Cross Florida Greenway

agencies, local government entities and interested parties as appropriate. Currently, properties along the Greenway are managed in partnership with Marion County, the Florida Game and Fresh Water Fish Commission, and private individuals for recreational purposes.

Updated 2/21/2012

Full Fee:

Management Cost Summary/OGT

Category Source of Funds	Startup LATF	Recurring LATF
Salary	\$36,380	\$36,380
OPS	\$72,660	\$72,660
Expense	\$62,301	\$46,362
OCO	\$3,167	\$0
FCO	\$100,000	\$0
TOTAL	\$274,508	\$185,402

Management Cost Summary/DOF

Category Source of Funds	1996/97 CARL	1997/98 CARL	1998/99 CARL
Salary	\$45,337	\$56,489	\$58,183.67
OPS	\$0	\$3,000	\$7,650.00
Expense	\$11,225	\$22,825	\$58,203.75
OCO	\$43,320	\$50,500	\$128,775.00
FCO	\$0	\$0	\$0
TOTAL	\$99,882	\$132,814	\$252,812.42



Exhibit V

Land Management Reviews

Name of Site: Etoniah Creek SF

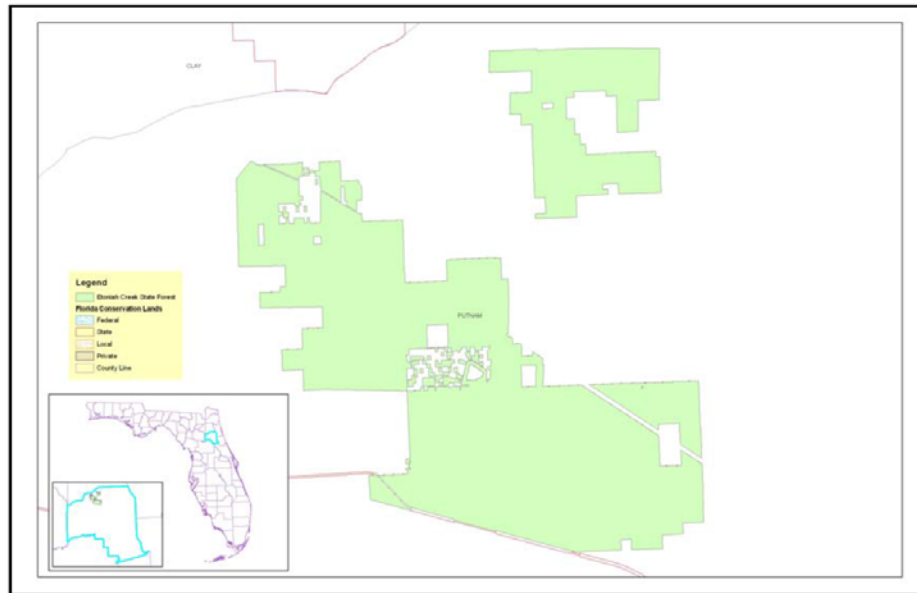
County: Putnam County

Managed by: Department of Agriculture and Consumer Services
Florida Forest Service

Acres: 8,691.1
Area Reviewed: Entire tract

Review Date: 5/17-18/11

Management Plan Approval Date: 12/3/04



Review Team Determination

Managed in accordance with
Acquisition purpose? Yes =5, No = 0



Management practices, including public access,
in compliance with the management plan? Yes =5, No = 0



Categories	Management Plan Review	Field Review
Natural Communities	0.58	3.41
Listed Species	0.97	3.88
Natural Resource Survey	0.88	3.99
Cultural Resources	1.00	3.53
Prescribed Fire	0.87	3.13
Restoration	1.00	3.00
Exotic Species	0.80	3.70
Hydrology	0.60	3.65
Groundwater Monitoring	0.80	3.67
Surface Water Monitoring	0.40	3.78
Resource Protection	0.95	3.95
Adjacent Property Concerns	0.87	4.20
Public Access & Education	0.87	3.60
Management Resources	N/A	4.00
Managed Area Uses	1.00	N/A
Buildings, Equipment, Staff & Funding	N/A	2.50

Consensus Commendations to the Managing Agency

The following commendations resulted from discussion and vote of the review team members.

1. The team commends the FFS on their invasive exotic plant control program on the property. (VOTE: 5+, 0-)

★★★★★

2. Considering the amount of funding and staffing at this forest, the FFS staff are making an exceptional effort at accomplishing their prescribed burning goals, but more could be done with additional staff. (VOTE: 5+, 0-)

★★★★★

3. The team commends the FFS staff for the excellent recreational opportunities provided at this forest. (VOTE: 5+, 0-)

★★★★★

Consensus Recommendations to the Managing Agency

The following recommendations resulted from a discussion and vote of review team members. The management plan must include responses to the recommendations identified below.

1. The team recommends that funding should be sought to contract with USDA for feral hog removal, because previous attempts to remove them have been unsuccessful. (VOTE: 5+, 0-)

★★★★★

Managing Agency Response: In the spring of 2006, DOF (now called the Florida Forest Service, FFS) contacted the USDA APHIS office to inquire about this. The cost would have been slightly over \$5,000 with the pricing being dependent upon FFS employees conducting the majority of the pre-baiting. It was determined that it would be cost prohibitive. The budget situation is worse now, but this might be a viable option in the future.

2. The team recommends that FFS should continue to aggressively pursue acquisition of the outparcels of the Interlachen Lakes Estates, in order to protect the largest concentration of *Conradina etonia* and the only known population of scrub jay in the forest. (VOTE: 5+, 0-)

★★★★★

Managing Agency Response: Purchasing continues as willing sellers are found, and funding becomes available.

Field Review Checklist Findings

The following items received high scores on the review team checklist, which indicates that management actions exceeded expectations.

- Natural Communities, regarding xeric hammock, floodplain swamp, baygall, dome swamp, sinkholes, upland mixed forest and depression marshes.
- Listed Species, regarding animal inventory, scrub jay, black bear, gopher tortoise, plant inventory, and etonia rosemary.
- Natural Resources, regarding listed species or habitat monitoring, other non-game species or habitat monitoring, fire effects monitoring, other habitat management effects monitoring, and invasive species survey/monitoring.
- Cultural Resources, regarding the cultural resource survey.
- Non-native, Invasive and Problem Species, regarding the prevention and control of plants and control of animals and pests/pathogens.
- Hydrologic/Geologic Function, regarding roads/culverts and hydro-period alteration.
- Ground/Surface Water Monitoring, regarding the water quality and quantity for both.

- Resource Protection, regarding boundary surveys, gates/fencing, and signage.
- Adjacent Property Concerns, regarding inholdings and additions.
- Public Access & Education, regarding roads, parking, wildlife/rare plants, recreational opportunities, and the management of visitor impacts.

Items Requiring Improvement Actions in the Management Plan

The following items received low scores on the review team checklist, which indicates that the text noted in the Management Plan Review does not sufficiently address this issue (less than .5 score on average.). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan must include responses to the checklist items identified below:

1. Management of natural communities, specifically wet flatwoods, scrubby flatwoods, sinkholes, upland mixed forest, and depression marsh, with documentation in the management plan.

Managing Agency Response: The natural communities map provided in the 2004 plan was compiled before FNAI completed their natural community mapping project in that same year. The currently approved plan was written seven years ago, and the format has changed considerably since then. The next revision of the plan will address management actions to achieve a desired future condition.

2. Hydrologic/Geologic function, specifically hydro-period alteration, with documentation in the management plan.

Managing Agency Response: In January of 2010, a private environmental engineering firm conducted an assessment of the status of the various wetlands present on ECSF. Also, an in-house hydrological activity summary was prepared through the FFS Forest Hydrology section. Some of the remedial actions recommended in the Forest Hydrology section assessment have yet to be implemented due to the cost and/or extensive nature of the work involved. These will be addressed in the next revision of the 10 year Resource Management Plan. The new plan, currently being drafted, will include more emphasis on hydrologic and geologic features.

3. The need for surface water monitoring, more specifically the quality and quantity of the water, with documentation in the management plan.

Managing Agency Response: The FFS will contact the SJRWMD for assistance with this, and it will be addressed in the next revision of the 10 year Resource Management Plan.

Items Requiring Improvement Actions in the Field

The following items received low scores on the review team checklist, which indicates that management actions noted during the Field Review were not considered sufficient (less than 2.5 score on average). Please note that overall good scores do not preclude specific recommendations by the review team requiring remediation. The management plan must include responses to the checklist items identified below:

1. Management of natural communities, specifically sandhill, scrub, wet flatwoods and scrubby flatwoods, with documentation in the management plan.

Managing Agency Response: Agree. See the response to question 1 on page 3 of 9.

2. The need for management resources, specifically staff and funding, with documentation in the management plan.

Managing Agency Response: Currently funding for additional staff is very unlikely, but the next revision of the management plan will identify additional staffing needs which may be achievable in the next ten years.

Florida Forest Service Manager and Key Staff Present:

- Scott Crosby, Forester
- Charlie Pedersen
- Terry Sheehan
- Ernie Ash

Exhibit W

State Forest Management Plan Advisory Group Summary

**Etoniah Creek State Forest
Management Plan Advisory Group, Public Meeting / Organizational Meeting
January 21, 2015**

Meeting Commenced at 6:00 pm

Welcome: Bill Korn

- Introduction
- Statute Outline
- Sunshine Laws
- Term of Service
- Public Meeting Requirements: County Commission Meeting; Public Notice in Newspaper and Florida Administrative Weekly; Posted in State Forest Kiosks
- Objective of Meeting is to get public input and to show information about the State Forest
- During presentation MPAG group may ask questions
- Written comments
- General public may speak, MPAG members listen to comments
- 5 minute limit on speakers

Introduction of Attendees:

- Bill Korn – Florida Forest Service (FFS) State Office
- Jennifer Reed, FFS State Office
- Catherine Ingram, FFS State Office
- Charlie Pedersen, FFS District Biologist
- Scott Crosby – FFS Forest Supervisor
- Ernie Ash – FFS District Resource Administrator (MPAG Member)

MPAG Members Present:

- Walton Pellicer, Putnam County Board of County Commissioners
- Gary Gresham, Rodeheaver Boys Ranch
- Sherry Tornwall, Southeastern Distance Riders Association
- Larry Harvey, Putnam County Board of County Commissioners
- Joyce King, Audubon Society
- Jimmy Conner, Florida Fish & Wildlife Conservation Commission
- Nels Parson, St. John's River Water Management District
- Bill Chitty, Adjacent Land Owner and Volunteer
- Andy Hirko, RockTenn
- John Newbold, III, Putnam Soil & Water Conservation District

Member Absent: Jeff Glenn, Florida Trail Association

Chairperson Election:

Bill Chitty nominated Ernie Ash, Walton Pellicer seconded the nomination

Unanimously elected

Meeting Adjourned at 6:18 pm

**Etoniah Creek State Forest
Management Plan Advisory Group, Public Meeting / Public Meeting
January 21, 2015**

Meeting Commenced at 6:30 pm

Florida Forest Service Attendees:

- Bill Korn – FFS State Office
- Jennifer Reed, FFS State Office
- Catherine Ingram, FFS State Office
- Charlie Pedersen, FFS District Biologist
- Scott Crosby – FFS Forest Supervisor
- Ernie Ash – FFS District Resource Administrator (MPAG Member)

MPAG Members Present:

- Walton Pellicer, Putnam County Board of County Commissioners
- Gary Gresham, Rodeheaver Boys Ranch
- Sherry Tornwall, SEDRA
- Larry Harvey, Putnam County Board of County Commissioners
- Joyce King, Audubon Society
- Jimmy Conner, FWC
- Nels Parson, SJRWMD
- Bill Chitty, Adjacent Land Owner and Volunteer
- Andy Hirko, Rock Tenn
- John Newbold, III, Putnam SWCD

Member Absent: Jeff Glenn, Florida Trail Association

Welcome: Ernie Ash & Bill Korn

Welcome: Scott Crosby

Power point presentation: Scott Crosby

The power point presentation briefly discussed boundary lines; adjacent lands; management of the property; and the general goals and objectives of the management plan.

Questions during presentation

Slide #10 (Recreation)

Nels Parson: Visitor Count, How is the number generated?

Scott Crosby: Day use passes, visual counts, special events, and camping permits

Larry Harvey: Public access and logging trucks. County wants to pave road and is concerned about the trucks using the road. Is there another access?

Scott Crosby: No other access at this time for the logging trucks.

Bill Korn: Cautioned against management discussion. Those discussions should take place at the MPAG planning meeting on the 22nd.

Slide #22 (Capital Improvements)

Nels Parson: Platform extension, is that due to George's Lake rise and fall?

Scott Crosby: Yes.

Power point presentation ended

Bill Korn: Further remarks concerning tomorrow's meeting.

Two Speakers from the Public:

Gary Gresham: Is there any recourse for loggers and utility companies damaging the roads? For the leased area, which is an in-holding within the forest, access is problematic.

Ernie Ash: Loggers should repair the road. Utility companies are supposed to repair, but ECSF has no power to enforce.

Scott Crosby: During prescribed burns FFS accesses those roads as well.

Nels Parson: Does the power company own the area or is this area an easement?

Robbie Smith: FPL does own the easement.

Gary Gresham: It should be in FFS best interest to repair the road.

Bill Chitty: There is a concern by the general public that after a timber harvest the land is not always left in the best condition.

Scott Crosby: Best Management Practices guide the operations of a timber harvest. There is care taken around bodies of water. When BMPs have been assessed, ECSF has received 100% compliance. Some areas have not had harvesting done in a long while. It takes time to bring the forest back to ideal conditions.

Bill Chitty: Timber harvest trash makes access difficult for hunters and hikers on some areas.

Meeting Adjourned: 7:05 pm

**Etoniah Creek State Forest
Management Plan Advisory Group, Public Meeting / Workshop
January 22, 2015**

Meeting Commenced at 1:30 pm

Welcome: Bill Korn

Florida Forest Service Attendees:

- Bill Korn – FFS State Office
- Jennifer Reed, FFS State Office
- Catherine Ingram, FFS State Office
- Charlie Pedersen, FFS District Biologist
- Scott Crosby – FFS Forest Supervisor
- Ernie Ash – FFS District Resource Administrator (MPAG Member)

MPAG Members Present:

- Walton Pellicer, Putnam County Board of County Commissioners
- Sherry Tornwall, SEDRA
- Larry Harvey, Putnam County Board of County Commissioners
- Joyce King, Audubon Society
- Jimmy Conner, FWC
- Nels Parson, SJRWMD
- Andy Hirko, Rock Tenn
- John Newbold, III, Putnam SWCD

Member Absent:

- Jeff Glenn, Florida Trail Association
- Gary Gresham, Rodeheaver Boys Ranch
- Bill Chitty, Adjacent Land Owner and Volunteer

Guest:

- Robbie Smith

Members took a few minutes to read over the minutes from the previous evening and look over the written comments FFS has received.

A motion to approve the minutes was made by John Newbold and seconded by Walton Pellicer. All were in favor of the approval of the minutes.

Bill Korn: Overview of the process for the day's meeting and changes to the plan. Changes are made with a consensus of the MPAG. FFS Director will have a final say in any changes, most are accepted.

MPAG will start with speaker comments from the previous evening and written comments.

Public Meeting Speaker, Gary Gresham

Comments concerning logging damage sustained along the FPL right-of-way.

E. Ash – Operational issue to be handled by FFS.

Public Meeting Speaker #2, Bill Chitty

Mr. Chitty addressed his concerns regarding recent timber harvests and the post-logging debris that remained behind. MPAG addressed as part of Mr. Chitty's written comments. See #14 below.

Public Meeting Written Comments

Bill Chitty - Written Comments (attached)

1. Goal & Objectives –
 - Discussion between multiple members concerning various goals and objectives and whether a measurement is needed.
 - Reference could be made to the five year operational plans when applicable.
 - Specific Comment added to Goal 3, Objective 3. Language changed.
2. Page 10, page 17 – editorial changes.
3. Game species – change made from great Horned Owl to Barred Owl.
4. Page 31 – Pitcher pump – operational issue. Changed made to page 31. Pitcher pump added to Green Camp.
5. Page 32 – Trail issue. Discussion of trails and FNST.
6. On-Site Residence – changes made to the plan.
7. Surveys & Monitoring, Florida Scrub Jay – FFS staff will add language to the plan regarding FSJs.
8. Xeric Hammock – no changes made to the plan. A. Hirko supported the current language.
9. Page 56 – editorial change made to the plan.
10. Page 56 – Dip netting – language added.
11. Page 58 – Sinkhole Community – word change made to the plan, “unwarranted” to “unmanaged”.
12. Page 46 – Scrub – no written comments.
13. Page 47 – previously addressed.
 - J. King - Comments concerning other species.
 - J. Conner – FWC only reports and develops strategic plans on threatened or endangered, not focal species.
 - More description and management discussion may be added in the Survey and Monitoring section concerning key listed species and focal species occurring on property.
14. Timber Harvests –

- N. Parson - Discussion concerning replanting schedules and recommendations where sand pine is harvested.
- Aesthetic issues related to recent sand pine harvest discussed, with the consensus that future burning and reforestation may resolve those issues. Multiple members discussed logging activities and management activities.
- No changes made to the plan.

15. Exhibit E – Aviation Checkpoint will be removed.

16. Exhibit P – FWC Scrub Jay list – FFS cannot control FWC data. No change made to the plan.

17. Exhibit P – FWC Eagles Nest – FFS cannot control FWC data. No change made to the plan.

B. Kraig McLane – Written Comment (attached)

1. Item C – Mountain Biking

- E. Ash – FFS will work with volunteers and look at putting in a bike trail if the need is made known. ECSF may not be the best terrain or soil cover for mountain biking.
- N. Parson and A. Hirko support addition to the plan.
- Plan changed on page 33.
- J. Newbold gave comments concerning the plan. Would like to add information concerning mountain biking. Mr. Newbold left the meeting due to a previous commitment.

2. Item D – plan changed on page 33 and in camp site section.

Bill Korn: Stated that now written comments had been reviewed by MPAG, it was time to go around table and give individual team members time to share their thoughts on plan

Jimmy Conner, FWC

1. Five Year Operational Plans versus Ten Year Management Plan.

- B. Korn – explanation of operational plans.
- E. Ash – further explanation.

2. Page 5, Goal 3, Objective 2

- E. Ash – restoration is more than a 10 year endeavor.
- S. Crosby – Long term goal to convert 2,600 acres of sand pine to longleaf.
- “Improvement” changed to “Restoration”

3. Page 5, Goal 3, Objective 4

- Objective 4 will be Objective 3.
- “Restored” changed to “Evaluated”.

4. Page 7, DHR monitoring personnel

5. Page 7, Hydrological Needs Assessment

- Exhibit added to the plan.

6. Page 7, Goal 7, Objective 3
 - Discussion of the performance measure.
 - N. Parson - Photo points may be needed for management purposes.
 - Assessment language was added to the plan on Page 7.
7. Page 8, Goal 8, Objective 2 – Boundary Maintenance
 - Objective 2 and Objective 4 were combined.
 - Language added to Objective 4.
8. Should there be an Environmental Education goal?
9. Page 11. Issue with common species not mentioned.
 - A. Hirko – Are rare, listed, and other names for species all the same definitions?
10. Page 12 – Crooked wood added.
11. Page 13, Section 4, B – Editorial change made.
12. Natural Communities – Current condition descriptions are pretty awesome.

Andy Hirko

1. Page 1, Offsite Pine Harvests
 - Discussion concerning past management practices and difference between planted sand pine and where it occurs naturally.
2. Page 2, Practice Sustainable Forest Management
 - Does FFS or ECSF hold a SFI certification?
 - FFS is moving towards that end, starting in the near future on two state forests.
3. Page 5, Liaison Panel – Language added to include timber industry representative.
4. Page 6, Objective 6 – Question concerning acreage differences in mapping natural communities.

Joyce King

1. Concerns about Florida scrub jay (FSJ) and focal species
2. Bill Chitty's comments concerning FSJ in longleaf pine plantation.
 - Discussion by C. Pedersen regarding FSJ habitat needs.
3. Scrub natural community description is good.
4. Page 25, Land Acquisition Projects.
 - N. Parson - Optimal Management Boundary and acquisitions.
 - Discussion regarding management needs and acquisitions.

Sherry Tornwall

1. Page 12 – Apiaries added to list.

2. Page 29 – Section V – Rocks in the road for vehicles. Could a fire line be added to the side or some other solution?
 - S. Crosby - FFS is mowing the side of the road for multiple purposes, including horses.
3. Discing and harrowing make it difficult for horses. Could the area be roller-drummed afterwards?
 - E. Ash – Day Use Parking Area – rocks will be covered.
 - B. Korn – a list of suggestions for management would be looked at.
4. Page 30, Parking area for equestrian would be helpful.
 - Language added for a horse accessible parking lot on page 33.
 - Nels Parson asked that on page 30 – “Dock” changed to “Platform”
 - Discussion concerning an equestrian parking lot at the Clay Electric Right-of-Way. FFS does not control this area.

Ernie Ash

FFS is reevaluating acreage numbers in the plan concerning the natural communities.

Walton Pellicer

Page 41 – Possible typographical error – no change made.

Larry Harvey

No comments. Mr. Harvey had asked about use of Holloway Road by log trucks as county was considering need for paving it.

- N. Parson - Timber routes and access issues.
- S. Crosby – Haul routes vary based multiple factors.
- E. Ash – Haulers would be able to use county roads unless designated otherwise.
- Discussion between multiple members.

Nels Parson

1. Page 5, Goal 2, Objective 1 and 2 – Language added referencing the State Forest Handbook
2. Goal 8, Objective 6 – Is an Equipment Needs Goal needed – Tree Cutting Mower
3. Page 19 – DHR list – What is “Other”?
 - N. Parson – What is a “Cattle Trough”
 - E. Ash – Artifact Found
4. Page 31 – “Dock” changed to “Platform”
5. Page 33 – Interpretive Displays – Portable kiosk (display) to explain land management. Language addition made.
6. Page 34, Section V, 2 - Language added.

- Discussion concerning silviculture management practices.

It was brought up that previous in meeting the written comments from Elizabeth Layer regarding motorcycle use/misuse of forest roads were not discussed.

Elizabeth Layer written comments concerning motorcycle activity (attached).

- E. Ash – Operational and law enforcement issue.

Bill Korn - Final Wrap Up and discussion of schedule of next steps. Jennifer Reed will send an e-mail to MPAG members with the workshop minutes, the edited plan, and any exhibits that have changed. MPAG members will be asked to approve.

ARC Meeting to approve the ECSF management plan in June is possible.

Meeting Adjourned at 3:57 pm

Exhibit X

State Forest Summary Budget

Etoniah Creek State Forest Summary Budget

	ETONIAH CREEK STATE FOREST LANDS MGT. ONLY 13-14 EXPENDITURES -	Percentage of Total for FY 2013-14	ECSF Based Upon LMUAC Resource Management Funding Need
Resource Management	\$ 106,246	30.40%	\$ 200,613.64
Exotic Species Control	\$ 6,908	2.50%	\$ 16,497.83
Prescribed Burning	\$ 38,275	5.80%	\$ 38,274.97
Cultural Resources Management	\$ 276	0.10%	\$ 659.91
Timber Management	\$ 27,907	10.10%	\$ 66,651.24
Hydrological Management	\$ 1,934	0.70%	\$ 4,619.39
<u>OTHER RESOURCE MANAGEMENT</u>	\$ -		\$ -
	\$ 30,946	11.20%	\$ 73,910.29
Listed Species Management	\$ -		\$ -
Forest Pest and Disease	\$ -		\$ -
Plant Conservation Program	\$ -		\$ -
State Forest Research Projects	\$ -		\$ -
Boundary Surveys for State Forests	\$ -		\$ -
<u>Other Activities Also Include:</u>	\$ -		\$ -
Liaison Community Meetings / Boundary Line Maintenance / Forest Inventories and Various Other Activities / Wildfire Suppression on State Forests			
			\$ -
Administration	\$ 21,552	7.80%	\$ 51,473.24
Central Office Headquarters	\$ 21,552	7.80%	\$ 51,473.24
District/Regions	\$ -		\$ -
Units/Projects	\$ -		\$ -
	\$ -		\$ -
Support	\$ 81,511	29.50%	\$ 96,347.34
Land Management Planning	\$ 4,974	1.80%	\$ 11,878.44
Land Management Reviews	\$ 829	0.30%	\$ 1,979.74
Training/Staff Development	\$ 15,749	5.70%	\$ 37,615.06
Vehicle Purchase	\$ 1,105	0.40%	\$ 2,639.65
Vehicle Operations and Maintenance	\$ 41,170	14.90%	\$ -
	\$ -		\$ -
OTHER SUPPORT	\$ 17,684	6.40%	\$ 42,234.45
State Forest Land Acquisition Support			\$ -
<u>Other Support Activities Also Include:</u>	\$ -		\$ -
Computer Maintenance / Radio Maintenance / Technical Support / Management of Apiary and Cattle Leases / State Forest Easements and Other Various Activities	\$ -		\$ -
			\$ -
Capital Improvements	\$ 53,880	19.50%	\$ 128,683.09
New Facility Construction	\$ 12,710	4.60%	\$ 30,356.01
Facility Maintenance	\$ 41,170	14.90%	\$ 98,327.08
			\$ -
Visitor Services/Recreation	\$ 35,367	12.80%	\$ 84,468.90
Information/Education	\$ 8,013	2.90%	\$ 19,137.49
Operations	\$ 27,354	9.90%	\$ 65,331.41
			\$ -
Law Enforcement	\$ -	0.00%	\$ -
Total	\$ 276,307	100.00%	\$ 659,913.28

Exhibit Y

ECSF Hydrological Plan

ETONIAH CREEK STATE FOREST (Putnam County)

Initial State Acquisition: April, 1999

Area: 8,694 Acres

Primary Basin(s): Lower St. Johns

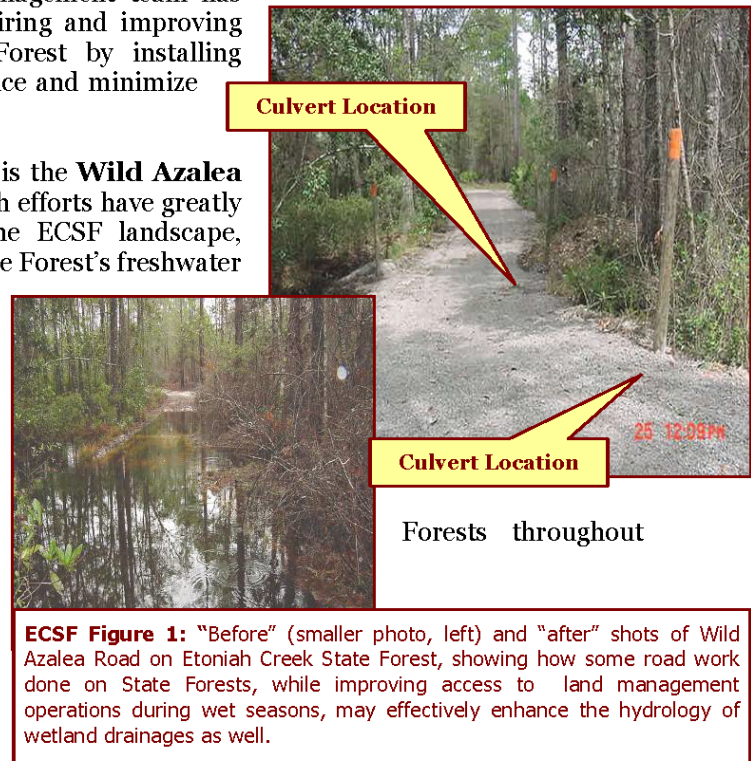
Current Number of DEP FERI Database Listings: 1 Project (Completed)

Previous Restoration Activities -

The majority of the roads on Etoniah Creek State Forest (ECSF) are at- or below-grade, many serving as conduits for surface stormwater and leading to erosion and sedimentation in wetlands on the Forest. Since 2000 the ECSF management team has worked with the FFS Road Crew in repairing and improving road conditions and drainage on the Forest by installing appropriate crossings to enhance conveyance and minimize drainage impediment.

An example of this kind of work on ECSF is the **Wild Azalea Road** work, listed on DEP's FERI site. Such efforts have greatly enhanced the existing hydrology over the ECSF landscape, ultimately improving the water quality of the Forest's freshwater resources (See Figure 1). Improvement work on the **Boggy Loop Road** on the Manning Tract and re-route work on the **Scrub Road** in recent years provided enhanced the wetland drainages adjacent to those structures.

Road projects such as this are part of the on-going management program of State the state



ECSF Figure 1: "Before" (smaller photo, left) and "after" shots of Wild Azalea Road on Etoniah Creek State Forest, showing how some road work done on State Forests, while improving access to land management operations during wet seasons, may effectively enhance the hydrology of wetland drainages as well.

Current/Planned/Proposed Restoration Activities -

No formal restoration activities are currently being proposed, planned, or implemented on ECSF at this time.

Wetland Restoration Needs Assessment -

A restoration needs assessment was conducted on the **Manning Tract** and parts of the main tract of the Etoniah Creek State Forest from July, 2009 to February, 2010. **One hundred seventy-three (173)** points were established, of which **12** were sites identified as potential wetland restoration opportunities (see **Table 3, page viii**). Numerous other sites were identified as in need of attention, most of which could be done using existing FFS resources.

Additional information about the assessment is available upon request from the Hydrology Section of the Florida Forest Service (see **Appendix 1**).

Exhibit Z

Arthropod Control Plan Response



ADAM H. PUTNAM
COMMISSIONER

Florida Department of Agriculture and Consumer Services
Division of Agricultural Environmental Services

ARTHROPOD MANAGEMENT PLAN - PUBLIC LANDS

Section 388.4111, F.S.
Telephone: (850) 617-7997

Return to:
Bureau of Entomology and Pest
Control
3125 Conner Blvd, Suite N,
MS C-41
Tallahassee, Florida 32399-1650

For use in documenting an Arthropod Control Plan for lands designated by the State of Florida or any political subdivision thereof as being environmentally sensitive and biologically highly productive therein. Fill this form out if control work is necessary or planned.

Name of Designated Land:

Etoniah Creek State Forest

Is Control Work Necessary:

☐ Yes

☒ No

Location:

390 Holloway Road
Florahome, FL 32140

Land Management Agency:

Florida Forest Service

Are Arthropod Surveillance Activities Necessary?

☐ Yes

☒ No

If "Yes", please explain:

Which Surveillance Techniques Are Proposed?
Please Check All That Apply:

☐ Landing Rate Counts

☐ Light Traps

☐ Sentinel Chickens

☐ Citizen Complaints

☐ Larval Dips

☒ Other

If "Other", please explain:

None

Arthropod Species for Which Control is Proposed:

Proposed Larval Control:

Proposed larval monitoring procedure:

Are post treatment counts being obtained:

☐ Yes

☒ No

Biological Control of Larvae:

Might predacious fish be stocked:

☐ Yes

☒ No

Other biological controls that might be used:

Material to be Used for Larvaciding Applications:

(Please Check All That Apply.) None apply.

☐ Bti

☐ Bs

☐ Methoprene

☐ Non-Petroleum Surface Film

☐ Other, please specify:

Please specify the following for each larvacide:

Chemical or Common name:

☐ Ground

☐ Aerial

Rate of application:

Method of application:

Proposed Adult Mosquito Control:

Aerial adulticiding ☐ Yes ☒ No

Ground adulticiding ☐ Yes ☒ No

Please specify the following for each adulticide:

Chemical or common name:

Rate of application: N/A

Method of application:

Proposed Modifications for Public Health Emergency Control: Arthropod control agency may request special exception to this plan during a threat to public or animal health declared by State Health Officer or Commissioner of Agriculture.

Aerial ULV Spraying
Ground ULV Spraying

Proposed Notification Procedure for Control Activities:

Putnam County Mosquito Control may respond to public health and/or bioterrorism declaration by notifying Scott Crosby, Forestry Supervisor II at 386-329-2552.

Records:

Are records being kept in accordance with Chapter 388, F.S.:

☒ Yes ☐ No

Records Location:

140 County Landfill Road, Palatka, FL 32177

How long are records maintained: 5 years

Vegetation Modification: No

What trimming or altering of vegetation to conduct surveillance or treatment is proposed?

Proposed Land Modifications: No

Is any land modification, i.e., rotary ditching, proposed:

Include proposed operational schedules for water fluctuations:

List any periodic restrictions, as applicable, for example peak fish spawning times.

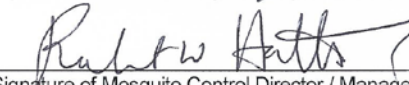
Proposed Modification of Aquatic Vegetation: No

Land Manager Comments:

Arthropod Control Agency Comments:

Adult mosquito spraying will be initiated by Putnam County Mosquito Control and/or its agents, on Florida State Forests land only in the event of public health emergency and/or bioterrorism as ordered by Florida Public Health Service, Florida Department of Agriculture, and/or Florida Forest Service.


Signature of Lands Manager or Representative 4/22/15
Date


Signature of Mosquito Control Director / Manager 4/22/15
Date